

# Arizona State University

## Academic Catalog Archive

2021-2022



This document provides an archival record of the academic programs offered during the 2021-2022 academic year. It is a printable option of the online catalog for accreditation organizations, agencies and university offices for data collection, evaluation purposes and referencing. The information and links presented in this archive may no longer be accurate. For current catalog information, refer to the online version of the academic catalog.

Corrections or additions to the Academic Catalog Archive 2021-2022 program information and major maps, as of August 2021, may be provided in a future addendum. For inquiries or questions, please contact [academic.catalog@asu.edu](mailto:academic.catalog@asu.edu).

## About this Document

To navigate this version of the Academic Catalog 2021-2022, refer to the table of contents and the bookmarks provided. The table of contents provides a hyperlinked listing of resources in the order in which they appear in this document. Keyword searches may be employed as an additional means of locating resources within this document.

This document contains program descriptions and requirements for graduate degrees and certificates, undergraduate degrees, minors and undergraduate certificates. Major maps, included for undergraduate degrees, outline each degree's requirements and a recommended sequence of courses. Additionally, Arizona State University has established special transfer partnership documents with Arizona community colleges to facilitate the transition to ASU. Maricopa to ASU Pathways Program (MAPP) for established undergraduate degrees can be found at the end of this document.

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# Our approach: ASU mission and goals

## ASU charter

ASU is a comprehensive **public research university**, measured not by whom it excludes, but by **whom it includes** and how they **succeed**; advancing **research and discovery** of public value; and assuming **fundamental responsibility** for the economic, social, cultural and overall health of the **communities** it serves.

ASU Charter Video [1] on Youtube

## Mission and goals

### Demonstrate leadership in academic excellence and accessibility

Maintain the fundamental principle of accessibility to all students qualified to study at a research university.

Maintain university accessibility to match Arizona's socioeconomic diversity, with undifferentiated outcomes for success.

Improve first-year persistence to **greater than 90 percent**.

Enhance university graduation rate to **greater than 85 percent** and more than 32,000 graduates.

Enhance quality while reducing the cost of a degree.

Enroll **125,000** online and distance-education degree-seeking students.

Enhance measured student development and individual student learning to national leadership levels.

Engage all learners on all levels.

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### Establish ASU as a leading global center for interdisciplinary research, discovery and development by 2026

Become the leading American center for discovery and scholarship in the integrated social sciences, and comprehensive arts and sciences.

Enhance research competitiveness to more than **\$1 billion** in annual research expenditures.

Transform regional economic competitiveness through research and discovery, and value-added programs.

Become a leading American center for innovation and entrepreneurship at all levels.

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## Enhance our local impact and social embeddedness

Strengthen Arizona's interactive network of teaching, learning and discovery resources to reflect the scope of ASU's comprehensive knowledge enterprise.

Co-develop solutions to the critical social, technical, cultural and environmental issues facing 21st-century Arizona, ensuring sustainability and resilience.

Meet the needs of 21st-century learners through the universal learner initiative by increasing individual success through personalized learning pathways, and promoting adaptability to all accelerated social-technical changes.

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## Establish national standing in academic quality and impact of colleges and schools in every field

Attain national standing in academic quality for each college and school (top 5 percent).

Attain national standing in the learning value added to our graduates in each college and school.

Become the leading university academically (faculty, discovery, research, creativity) in at least one department or school within each college and school.

## A New American University

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Arizona State University exemplifies a new prototype for the American public research university.

More than a decade ago, ASU set forth a new and ambitious trajectory to become a comprehensive knowledge enterprise dedicated to the simultaneous pursuit of excellence, broad access to quality education, and meaningful societal impact. From that point forward, and founded on a vision for a new "gold standard", all of its energy, creativity and manpower have been brought to bear on the design of a uniquely adaptive and transdisciplinary university committed to producing master learners.

Learn more [2]

**Eight design aspirations** guide the ongoing evolution of ASU as a New American University. These institutional objectives are integrated in innovative ways throughout the university to achieve excellence, access and impact.

### **Leverage Our Place**

ASU embraces its culture, socioeconomic and physical setting.

### **Enable Student Success**

ASU is committed to the success of each unique student.

### **Transform Society**

ASU catalyzes social change by being connected to social needs.

### **Fuse Intellectual Disciplines**

ASU creates knowledge by transcending academic disciplines

**Value Entrepreneurship**

ASU uses its knowledge and encourages innovation.

**Be Socially Embedded**

ASU connects with communities through mutually beneficial partnerships.

**Conduct Use-Inspired Research**

ASU research has purpose and impact.

**Engage Globally**

ASU engages with people and issues locally, nationally and internationally.

## Download ASU charter

- [English \(PDF\) \[3\]](#)

**Source URL:** <https://president.asu.edu/asu-mission-goals#asu-charter>

**Links:**

[1] <https://www.youtube.com/watch?v=hclnufSM0F0>

[2] <https://newamericanuniversity.asu.edu/>

[3] [https://president.asu.edu/sites/default/files/new\\_american\\_university\\_2026\\_beyond\\_brochure\\_mar2021.pdf](https://president.asu.edu/sites/default/files/new_american_university_2026_beyond_brochure_mar2021.pdf)

# Diversity

ASU is committed to inclusion, ethnic, intellectual, socioeconomic and cultural, and advancing knowledge that reflects the deepest possible grasp of diverse perspectives.

Culture at ASU – This is who we are video on YouTube [1].

Learn more at [inclusion.asu.edu](https://inclusion.asu.edu) [2]

**Source URL:** <https://president.asu.edu/ideas-and-issues/diversity>

## Links:

[1] [https://www.youtube.com/watch?v=7Rw5\\_5\\_P06k](https://www.youtube.com/watch?v=7Rw5_5_P06k)

[2] <https://inclusion.asu.edu/>

## Inclusion at ASU

Arizona State University is deeply committed to positioning itself as one of the great new universities by seeking to build excellence, enhance access and have an impact on our community, state, nation and the world. To do that requires our faculty and staff to reflect the intellectual, ethnic and cultural diversity of our nation and world so that our students learn from the broadest perspectives, and we engage in the advancement of knowledge with the most inclusive understanding possible of the issues we are addressing through our scholarly activities.

We recognize that race and gender historically have been markers of diversity in institutions of higher education. However, at ASU, we believe that diversity includes additional categories such as socioeconomic background, religion, sexual orientation, gender identity, age, disability, veteran status, nationality and intellectual perspective.

## Initiatives

- ADVANCE [1]
- Excelencia in Education [2]
- LIFT Initiatives [3]
- SEA Change [4]

**Source URL:** <https://inclusion.asu.edu/>

## Links:

[1] <https://advance.asu.edu/>

[2] <https://www.edexcelencia.org/>

[3] <https://president.asu.edu/commitment>

[4] <https://seachange.aaas.org/>

## Diversity philosophy

Arizona State University is deeply committed to positioning itself as one of the great new universities by seeking to build excellence, enhance access and have an impact on our community, state, nation and the world.

To do that requires our faculty and staff to reflect the intellectual, ethnic and cultural diversity of our nation and world so that our students learn from the broadest perspectives, and we engage in the advancement of knowledge with the most inclusive understanding possible of the issues we are addressing through our scholarly activities.

As one part of this commitment, we have developed a strategic plan for diversity at ASU. Developed in consultation with a wide variety of constituencies within the university and the deans, this plan, called “Building blocks for success through people, programming and policies,” contains a statement that serves as an ongoing touchstone of our commitment, and several specific initiatives that will change and evolve over time, depending on the challenges and opportunities we have before us.

Diversity is defined in terms of representation and inclusion. Representation reflects the extent to which our students, staff, faculty and administrators proportionately reflect the regional and national populations served by our public institution. Inclusion encompasses empowerment and voice among all members of the university community in the areas of scholarship, teaching, learning and governance.

We recognize that race and gender historically have been markers of diversity in institutions of higher education; we further believe that diversity includes additional categories such as socioeconomic background, religion, sexual orientation, gender identity, age, disability, veteran status, nationality and intellectual perspective.

**Source URL:** <https://inclusion.asu.edu/diversity>

## Diversity initiatives at ASU

Graduate College Diversity Resources [1] includes scholarships, career development, mentoring and other support for graduate students and undergraduates on the path to graduate school.

Southwest Borderlands Initiative [2] (SWBI) strengthens existing Arizona State University scholarly and instructional resources on the Southwest with emphasis on the region along the United States-Mexico border and enhances institutional recruitment and retention efforts toward building a faculty fully reflective of the Southwest Borderlands' diversity.

Center for the Study of Race and Democracy [3] (CSRD) is a leading interdisciplinary, problem-solving venture committed to socially embedded scholarship, increasing awareness and informed dialogue involving the topics of race and democracy.

**Source URL:** <https://inclusion.asu.edu/diversity/initiatives>

### Links:

[1] <https://graduate.asu.edu/diversity>

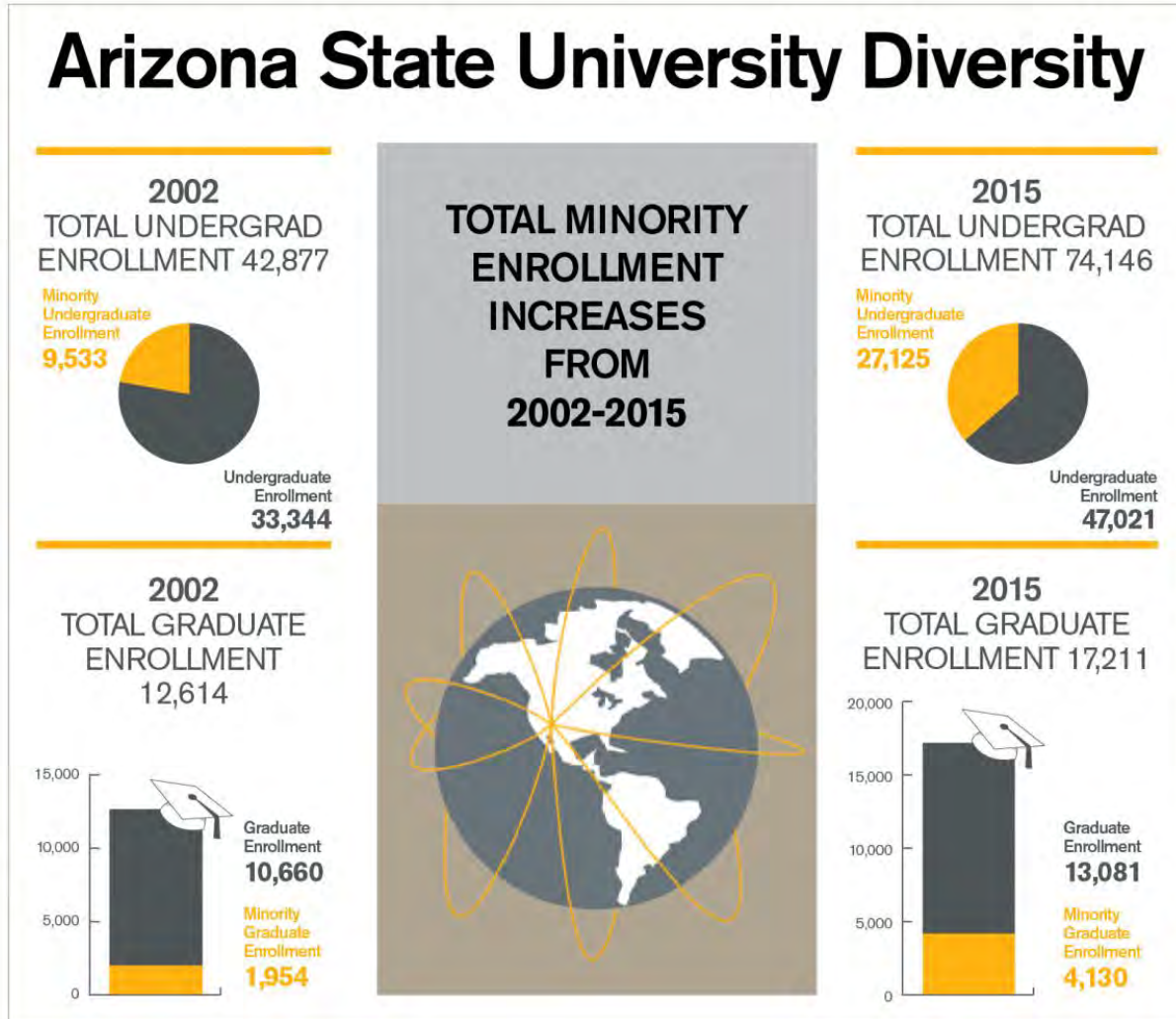
[2] <https://provost.asu.edu/initiatives/southwest-borderlands>

[3] <https://csrd.asu.edu/>

## Facts about ASU

Arizona State University is first in the nation in innovation, but it is also a diverse community of scholars, faculty and students striving to represent the needs and hopes of our public communities.

ASU Facts [1] | Faculty Excellence [2] | Rankings and Honors [3]



Source URL: <https://inclusion.asu.edu/about/facts>

### Links:

[1] <https://facts.asu.edu/Pages/Default.aspx>

[2] <https://provost.asu.edu/awards/>

[3] <https://about.asu.edu/rankings>



# Academic accreditation

## Arizona Board of Regents

### Mission, vision, history

#### Mission

The Arizona Board of Regents is committed to ensuring access for qualified residents of Arizona to undergraduate and graduate institutions; promoting the discovery, application, and dissemination of new knowledge; extending the benefits of university activities to Arizona's citizens outside the university; and maximizing the benefits derived from the state's investment in education.

#### Vision

The Arizona Board of Regents seeks to provide leadership and a unifying voice on key higher education issues and to influence public policy through advocacy and initiatives founded upon evidence-based research. Synergies from a unified higher education system will provide access and the highest quality education to Arizona's citizens.

The Arizona public universities provide bachelor's level and higher public education, advance human knowledge through scholarly research and creative expression, and serve key roles as major partners in statewide economic development and community advancement.

#### The Board's Promise to Arizona

Increase postsecondary access and attainment for Arizona students; to seek solutions to societal challenges; and to do both while increasing quality, affordability and efficiency.

#### History

In 1864, the first Territorial Legislature authorized the establishment of the University of Arizona and provided for the management, direction, governance, and control by a Board of Regents. The state colleges, one in Tempe and one in Flagstaff, were governed by a three-member State Board of Education that included the Superintendent of Public Instruction and two members appointed by the Governor.

In March of 1945, the Governor signed House Bill 136 uniting the governing boards of the university and state colleges of Arizona. The authority of the Board of Regents expanded to include the Arizona State Teachers College at Tempe (since 1958 Arizona State University), and Arizona State Teachers College at Flagstaff (since 1966 Northern Arizona University).

**Source URL:** <https://www.azregents.edu/board/mission-vision-history>

## Board members

The Arizona Board of Regents is the governing board for the state's public universities: Arizona State University, Northern Arizona University, and the University of Arizona. The board provides policy guidance in such areas as: academic and student affairs; financial and human resource programs; student tuition, fees, and financial aid programs; university capital development plans; strategic plans; legal affairs; and public and constituent outreach.

The board consists of twelve members, eleven voting and one non-voting. This includes the governor and superintendent of public instruction as ex-officio members, each serving while they hold office, and two student regents.

Except for ex-officio members and student regents, and as noted, the term of a regent is eight years. As regents finish their terms, new regents are appointed by the governor and confirmed by the Senate.

Lyndel Manson [1] Chair	Bill Ridenour [5] Regent	Nikhil Dave [9] Student Regent, Assistant Treasurer
Fred DuVal [2] Chair Elect	Cecilia Mata [6] Secretary	Rachel Kanyur [10] Student Regent
Larry Edward Penley [3] Treasurer	Robert J. Herbold [7] Regent	Doug Ducey [11] Ex-Officio
Ron Shoopman [4] Regent	Jessica Pacheco [8] Regent	Kathy Hoffman [12] Ex-Officio

## History

In 1864, the first Territorial Legislature authorized the establishment of the University of Arizona and provided for the management, direction, governance, and control by a Board of Regents. The state colleges, one in Tempe and one in Flagstaff, were governed by a three-member State Board of Education that included the superintendent of public instruction and two members appointed by the governor. In March of 1945, the governor signed House Bill 136 uniting the governing boards of the university and state colleges of Arizona. The authority of the Board of Regents expanded to include the Arizona State Teachers College at Tempe (since 1958 Arizona State University), and Arizona State Teachers College at Flagstaff (since 1966 Northern Arizona University).

## History and selection of student regent

The student regent is chosen through a rigorous process that begins with candidates applying to the Board of Associated Students of Arizona. The student board forwards three final candidates to the local student government on campus where the nominees are then confirmed and forwarded to the governor's office. After the governor conducts interviews, he or she nominates one student for the position. The governor's nominee must then be confirmed by the Arizona Senate.

A student was first added to the board in a non-voting position in 1978, and the student regent was granted voting privileges during the 1989-90 term. During the 44th legislative session in 2000, a second, non-voting student member was added to the Arizona Board of Regents. Student regents are now appointed for two years; the first year is served as a non-voting member and the second year as the voting student regent.

**Source URL:** <https://www.azregents.edu/board/board-members>

Links:

[1] <https://www.azregents.edu/regents/lyndel-manson>

[2] <https://www.azregents.edu/regents/fred-duval>

- [3] <https://www.azregents.edu/regents/larry-edward-penley>
- [4] <https://www.azregents.edu/regents/ron-shoopman>
- [5] <https://www.azregents.edu/regents/bill-ridenour>
- [6] <https://www.azregents.edu/board-members/cecilia-mata>
- [7] <https://www.azregents.edu/regents/robert-j-herbold>
- [8] <https://www.azregents.edu/regents/jessica-pacheco>
- [9] <https://www.azregents.edu/board-members/nikhil-dave>
- [10] <https://www.azregents.edu/student-regents/rachel-kanyur>
- [11] <https://www.azregents.edu/board-members/doug-ducey>
- [12] <https://www.azregents.edu/regents/kathy-hoffman>

## Welcome to the University Program Review and Accreditation (UPRA) office

The University Program Review and Accreditation Office is housed within the Office of the University Provost, and is responsible for ensuring the quality education provided at Arizona State University. We do this through a few branches of work which are outlined below. Please visit our individual web pages to get a more detailed overview of each section.

All Arizona State University academic programs are fully accredited by the Higher Learning Commission. Verify status here [1].

### Liaison to the Higher Learning Commission (HLC)

The UPRA Office monitors institutional compliance with HLC policies and assumed practices and coordinates the institutional reviews for continuing accreditation by the HLC. UPRA also facilitates HLC approval of program and/or institutional changes when required. Currently, our big project is preparing for our ten-year HLC comprehensive reaccreditation visit in 2022-23.

### Specialized accreditation oversight

The UPRA Office works closely with academic units and programs that seek new accreditation or seek re-accreditation [2] from external governing bodies. These accreditations ensure our programs adhere to industry and national standards. Our oversight includes coordinating meetings between site visitors and university administrators, reviewing self-studies and briefing papers, collecting site visitor reports and responses to the report, as well as acting as the repository for all accreditation documents.

### Academic program review oversight

The Arizona Board of Regents (2-208) requires academic program reviews [3] at least once every seven years. Periodic program reviews provide a mechanism for faculty to evaluate the effectiveness, progress, and status of their academic programs on a continuous basis. The UPRA Office is responsible for oversight of program reviews. Our office coordinates the academic program review process, which covers all program inventory of an academic unit including undergraduate and graduate programs as well as other curricular and co-curricular offerings. The reviews include a review of faculty contributions to the unit, facilities and resources, attention to missions, and many other aspects of the unit to ensure continuous quality improvement.

## Centers and institutes oversight

Arizona State University is home to various centers and institutes [4] that blend the passions of exceptional teachers and scholars across disciplines. Our centers and institutes address large, complex problems and challenges facing society in hopes of finding solutions and making the world a better place. University Program Review and Accreditation Office provides review oversight for these centers and institutes.

**Source URL:** <https://provost.asu.edu/upra>

### Links:

[1] <https://www.hlcommission.org/General/mark-of-affiliation-verification.html?104108099+118097108105100097116105111110+108111103111046112110103+104116116112115058047047112114111118111115116046097115117046101100117047&UGxEQk3X8u80qdqfdWHqzSO3iuZO2NztTROJ5V uon7A%3d>

[2] <https://provost.asu.edu/node/2435>

[3] <https://provost.asu.edu/academic-program-review>

[4] <https://www.asu.edu/about/centers-and-institutes>

## Academic program review

### Purpose and guiding principles

The Arizona Board of Regents (2-208) requires Academic Program Reviews at least once every seven years. Periodic program reviews provide a mechanism for faculty to evaluate the effectiveness, progress and status of their academic programs on a continuous basis. At Arizona State University, the Executive Director for the University Program Review and Accreditation (UPRA) Office also serves as the Accreditation Liaison Officer (ALO) for ASU with the Higher Learning Commission. The UPRA Office in the Office of the University Provost coordinates the Academic Program Review process, which covers all program inventory of an academic unit including undergraduate and graduate programs as well as other curricular offerings housed within the unit under review.

The program review process is intended to provide a comprehensive assessment of the current status of an academic unit based on its programs, activities and achievements since its last program review while also providing the unit the opportunity to think strategically regarding its curricular offerings and its future direction. In doing so, the unit provides comparisons with its peers, identifies strengths and weaknesses in its curricula and pedagogy; assesses student quality and learning outcomes; provides an account of faculty contributions in teaching, research/creative activities, and service; assesses resource availability and needs; and summarizes special features or services provided by the unit. Finally, and perhaps most importantly, the program review should allow the unit, in conjunction with the university, to plan to build on existing strengths, maximize opportunities for growth and innovatively problem solve.

The APR process allows the unit to evaluate thoroughly and candidly:

- The mission and goals of the program and it's relation to those of the university.
- Its future direction and strategic initiatives.
- The reputation of the program among peers in the discipline.
- The educational objectives, curriculum, and student learning outcomes of undergraduate and graduate programs.
- The quality of teaching and retention and graduation rates for undergraduate and graduate students.
- The quality and diversity of faculty and staff (including retention rates for underrepresented faculty) and their contributions to program mission and goals.
- Resources (e.g., laboratories, physical facilities)
- Readiness for accreditation, if appropriate.

The guiding principles for the APR process include:

- The process should be broadly participatory involving faculty, students, staff administrators, and relevant community constituents.
- The APR should provide a framework for excellence; an opportunity to explore, enhance, and integrate student learning and faculty teaching, service and scholarly efforts into the unit's mission and goals.
- The process should facilitate short-term and long-term strategic planning in areas such as curricula development, resource allocation (e.g., financial, physical), faculty/staff hiring/workload and research foci.
- The APR provides the opportunity for the university to account for its use of public resources and facilitate relationships with its various constituencies.

**Those directly responsible for the APR process should familiarize themselves with all parts of the manual [1] along with the related checklists and appendices [2].**

**Source URL:** <https://provost.asu.edu/upra/academic-program-review>

**Links:**

[1] <https://provost.asu.edu/upra/academic-program-review/manual>

[2] <https://provost.asu.edu/upra/academic-program-review/appendices>

## Programs with special accreditation

Arizona State University programs with specialized accreditation are listed by college or school.

### College of Health Solutions

Accredited programs	Accrediting agencies
BS, Nutrition	Accreditation Council for Education in Nutrition and Dietetics (ACEND)
AuD, Audiology MS, Communication Disorders	Council on Academic Accreditation
BAS, Applied Science	National Accrediting Agency for Clinical Laboratory Sciences

### College of Integrative Sciences and Arts

Accredited programs	Accrediting agencies
PhD, Counseling Psychology	American Psychological Association (APA)

## Edson College of Nursing and Health Innovation

<b>Accredited programs</b>	<b>Accrediting agencies</b>
BSN, Nursing DNP, Advanced Nursing Practice MS, Nursing	Arizona State Board of Nursing/Commission of Collegiate Nursing Education (CCNE)
MS, Clinical Research Management	Commission on Accreditation of Allied Health Education Programs

## Herberger Institute for Design and the Arts

### School of Music

<b>Accredited programs</b>	<b>Accrediting agencies</b>
BMUS, Music Therapy MM, Music Therapy	American Music Therapy Association (AMTA)
BA, Music BMUS, Music Education BMUS, Music Therapy BMUS, Performance BMUS, Theory & Composition DMA, Music MA, Music MM, Composition MM, Music Education MM, Music Therapy MM, Performance PhD, Music	National Association of Schools of Music (NASM)

### The Design School

<b>Accredited programs</b>	<b>Accrediting agencies</b>
BSLA, Landscape Architecture MLA, Landscape Architecture	Landscape Architectural Accreditation Board (LAAB)

MArch, Architecture	National Architectural Accrediting Board (NAAB)
BSD, Graphic Design	National Association of Schools of Art and Design (NASAD)
BSD, Industrial Design	
MID, Industrial Design	
MVCD, Visual Communication Design	
BSD, Interior Design	Council for Interior Design Accreditation
MIA, Interior Architecture	

## Ira A. Fulton Schools of Engineering

### Accredited programs

### Accrediting agencies

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BS, Graphic Information Technology	Accrediting Council for Collegiate Graphic Communications, Inc. (ACCGC)
BS, Construction Management & Technology	American Council for Construction Education (ACCE)
BS, Aeronautical Management Technology	Aviation Accreditation Board International (AABI)
BS, Air Traffic Management	
BS, Computer Science	Engineering Accreditation Commission of ABET
BS, Information Technology	
BS, Manufacturing Engineering	
BS, Software Engineering	
BSE, Aerospace Engineering	
BSE, Biomedical Engineering	
BSE, Construction Engineering	
BSE, Chemical Engineering	
BSE, Civil Engineering	
BSE, Computer Systems Engineering	
BSE, Electrical Engineering	
BSE, Engineering	
BSE, Engineering Management	
BSE, Industrial Engineering	
BSE, Materials Science & Engineering	
BSE, Mechanical Engineering	

## Sandra Day O'Connor College of Law

<b>Accredited programs</b>	<b>Accrediting agencies</b>
JD, Law	American Bar Association (ABA)

## The College of Liberal Arts and Sciences

### Department of Psychology

<b>Accredited programs</b>	<b>Accrediting agencies</b>
PhD, Psychology (clinical training)	American Psychological Association (APA)
PhD, Psychology (clinical training)	Psychological Clinical Science Accreditation System (PCSAS)

### School of Geographical Sciences and Urban Planning

<b>Accredited programs</b>	<b>Accrediting agencies</b>
MUEP, Urban & Environmental Planning	Planning Accreditation Board (PAB)

### School of Mathematical and Statistical Sciences

<b>Accredited programs</b>	<b>Accrediting agencies</b>
BS, Actuarial Science	Society of Actuaries

### School of Molecular Sciences

<b>Accredited programs</b>	<b>Accrediting agencies</b>
BS, Chemistry	American Chemical Society



## Thunderbird School of Global Management

### Accredited programs

BGM, Global Management  
BS, International Trade  
MA, Global Affairs & Management  
MALM, Applied Leadership & Management  
MGM, Global Management

### Accrediting agencies

American Association of Colleges and Schools of Business (AACSB) International

## Walter Cronkite School of Journalism and Mass Communication

### Accredited programs

BA, Journalism & Mass Communication  
BA, Sports Journalism  
MA, Investigative Journalism  
MA, Sports Journalism  
MCC, Mass Communication

### Accrediting agencies

Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

## Watts College of Public Service and Community Solutions

### School of Community Resources and Development

### Accredited programs

BS, Parks & Recreation Management  
BS, Recreation Therapy  
  
BS, Nonprofit Leadership & Management  
Master of Nonprofit Leadership & Management

### Accrediting agencies

Council on Accreditation for, Parks, Recreation, Tourism and Related Professions (COAPRT)

Nonprofit Academic Centers Council (NACC)

### School of Public Affairs

### Accredited programs

MPA, Public Administration

### Accrediting agencies

Network of Schools of Public Policy, Affairs, and Administration (NASPAA)

## School of Social Work

### Accredited programs

BSW, Social Work  
MSW, Social Work

### Accrediting agencies

Council of Social Work Education (CSWE)  
Commission on Accreditation (COA)

## W. P. Carey School of Business

### Accredited programs

BA, Business  
BS, Accountancy  
BS, Business Administration  
BS, Business Data Analytics  
BS, Business Entrepreneurship  
BS, Computer Information Systems  
BS, Economics  
BS, Finance  
BS, Management  
BS, Marketing  
BS, Supply Chain Management  
DBA, Global Financial Management  
MACC, Accountancy  
MBA, Business Administration  
MHSM, Health Sector Management  
MRED, Real Estate Development  
MS, Business Analytics  
MS, Economics  
MS, Finance  
MS, Global Logistics  
MS, Information Systems Management  
MS, Management  
MS, Supply Chain Management  
MS, Supply Chain Management & Engineering  
MSP, Business Administration  
MTAX, Taxation  
PhD, Business Administration  
PhD, Economics

### Accrediting agencies

Association to Advance Collegiate Schools of Business  
(AACSB International)

**Source URL:** <https://provost.asu.edu/accreditation/programs-specialized-accreditation>

# Academic organizations 2021-2022

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## Academic organizations 2021-2022

**\*Effective July 1, 2021**

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Organized under the multiple campuses of ASU are colleges, schools, departments, and other administrative units whose faculty offer courses.

### **Barrett, The Honors College**

### **Business, W. P. Carey School of**

Accountancy, School of

Agribusiness, Morrison School of

Economics, Department of

Finance, Department of

Information Systems, Department of

Management and Entrepreneurship, Department of

Marketing, Department of

Supply Chain Management, Department of

### **Design and the Arts, Herberger Institute for**

Art, School of

Arts, Media and Engineering, School of

Design School, The

Music, Dance and Theatre, School of

The Sidney Poitier New American Film School

### **Engineering, Ira A. Fulton Schools of**

Biological and Health Systems Engineering, School of

Computing and Augmented Intelligence, School of

Electrical, Computer and Energy Engineering, School of

Engineering of Matter, Transport and Energy, School for

Manufacturing Systems and Networks, School of

Polytechnic School, The

Sustainable Engineering and the Built Environment,  
School of

### **Global Futures, College of**

Complex and Adaptive Systems, School of

Future of Innovation in Society, School for the

Sustainability, School of

### **Global Management, Thunderbird School of**

### **Graduate College**

### **Health Solutions, College of**

### **Integrative Sciences and Arts, College of**

### **Interdisciplinary Arts and Sciences, New College of**

Humanities, Arts and Cultural Studies, School of

Mathematical and Natural Sciences, School of

Social and Behavioral Sciences, School of

### **Journalism and Mass Communication, Walter Cronkite School of**

### **Law, Sandra Day O'Connor College of**

### **Liberal Arts and Sciences, The College of**

Aerospace Studies, Department of

American Indian Studies Program

Civic and Economic Thought and Leadership, School of

Earth and Space Exploration, School of

English, Department of

Geographical Sciences and Urban Planning, School of

Historical, Philosophical and Religious Studies, School  
of

Human Communication, Hugh Downs School of

Human Evolution and Social Change, School of

International Letters and Cultures, School of

Life Sciences, School of

Mathematical and Statistical Sciences, School of

Military Science, Department of  
Molecular Sciences, School of  
Naval Science, Department of  
Physics, Department of  
Politics and Global Studies, School of  
Psychology, Department of  
Social and Family Dynamics, T. Denny Sanford School  
of  
Social Transformation, School of  
Transborder Studies, School of  
**Nursing and Health Innovation, Edson College  
of**

### **Public Service and Community Solutions, Watts College of**

Community Resources and Development, School of  
Criminology and Criminal Justice, School of  
Public Affairs, School of  
Social Work, School of

### **Teachers College, Mary Lou Fulton**

Educational Leadership and Innovation, Division of  
Teacher Preparation, Division of

### **University College**

## **Locations of record**

For the 2021-2022 academic year, Arizona State University offered degree-granting programs at the following locations.

### **Downtown Phoenix Campus**

411 N Central Ave  
Phoenix, AZ 85004

### **Polytechnic Campus**

7001 E Williams Field Rd  
Mesa, AZ 85212

### **Tempe Campus**

1151 S Forest Ave  
Tempe, AZ 85287

### **West Campus**

4701 W Thunderbird Rd  
Glendale, AZ 85306

### **ASU@Cochise**

901 Colombo Ave  
Sierra Vista, AZ 85635

### **ASU@Lake Havasu**

100 University Way  
Lake Havasu, AZ 86403

### **ASU@Los Angeles**

1111 S Broadway  
Los Angeles, CA 90015

### **ASU@Mexico City**

Mexico City, Mexico

### **ASU@Northeastern Arizona**

1001 W Deuce of Clubs  
Show Low, AZ 85901

### **ASU@Pima**

2202 W Anklam Rd  
Tucson, AZ 85709

### **ASU@Pinal**

540 N Camino Mercado  
Casa Grande, AZ 85122

### **ASU@The Gila Valley**

615 N Stadium Ave  
Thatcher, AZ 85552

### **ASU@Tucson**

340 N Commerce Park Loop, Ste 250  
Tucson, AZ 85745

### **ASU@Washington, D.C.**

1800 I St NW  
Washington, D.C. 20006

**ASU@Yavapai**

6955 Panther Path  
Prescott Valley, AZ 86314

**ASU@Yuma**

2020 S Ave 8 E  
Yuma, AZ 85365

**ASU Online**

An online campus

# Academic calendar

ASU regularly offers classes in the fall, spring and summer terms with the following components:

**Fall/Spring Session A:**

first 7.5-week session

**Fall/Spring Session B:**

second 7.5-week session

**Fall/Spring Session C:**

full semester (15 weeks plus final exams)

**Summer Session A:**


first 6-week session

**Summer Session B:**

second 6-week session

**Summer Session C:**

8-week session

If a class is scheduled in a session other than Session A, B or C, the drop/add/withdrawal deadlines are prorated based on the length of the class. Check the calendar icon  next to each class on your schedule in My ASU [1] for the prorated deadline dates.

## Fall 2021

**Session A:** Thursday, 8/19/2021 – Friday 10/8/2021

**Session B:** Wednesday, 10/13/2021 – Friday 12/3/2021

**Session C:** Thursday, 8/19/2021 – Friday 12/3/2021 (Final exams 12/6/2021 – 12/11/2021)

Schedule of Classes Available [2]	February 15, 2021		
Registration and Tuition Guide Available [3]	February 15, 2021		
Registration Dates Begin [4]	February 18, 2021		
\$50.00 Late Registration Fee Begins [5] (does not apply to ASU Online students)	Session A August 11, 2021	Session B October 5, 2021	Session C August 11, 2021
<b>Classes Begin</b>	<b>Session A August 19, 2021</b>	<b>Session B October 13, 2021</b>	<b>Session C August 19, 2021</b>
<b>Tuition Fee Payment Deadline</b> – For registration through 8/18/2021. For more information see Tuition and Deadlines [6]	August 25, 2021		
<b>Automatic ASU Payment Plan Enrollment</b> Students who registered through August 18 and who have unpaid tuition and other eligible payment plan charges will be automatically enrolled in the ASU Payment Plan [7].	August 27, 2021		

Academic Status Reports [8] – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in MyASU within 24 hours after each weekly reporting period closes on Sunday.	Session A August 19 - October 3, 2021	Session B October 13 - November 28, 2021	Session C August 19 - November 28, 2021
Extended Hours (Registration Sites Only)	TBD		
Last Day to Register or Drop/Add Without College Approval [9]	Session A August 20, 2021	Session B October 14, 2021	Session C August 25, 2021
Residency Classification Petition Deadline [10]	August 25, 2021		
Labor Day Observed <b>Classes excused/University closed</b>	September 6, 2021		
<b>Tuition &amp; Fees 100% Refund Deadline</b> - For more information see Tuition and Refund Policy [11]. <b>Note:</b> If you choose to drop a class [12] or withdraw from ASU [13] after this deadline, you may receive a bill for the financial aid used to cover those classes.	Session A August 25, 2021	Session B October 19, 2021	Session C September 1, 2021
University 21st Day	Session A September 8, 2021	Session B November 2, 2021	Session C September 8, 2021
<b>Tuition Fee Payment Deadline</b> – For registration from 8/19/2021 to 9/18/2021. For more information see Tuition and Deadlines [6]	September 25, 2021		
Deadline to Apply for Graduation [14]	October 1, 2021		
University 45th Day	October 2, 2021		
Fall Break <b>Classes excused/University open</b>	October 9 - 12, 2021		
<b>Tuition Fee Payment Deadline</b> – For registration from 9/19/2021 to 10/25/2021. For more information see Tuition and Deadlines [6]	October 25, 2021		
Course Withdrawal Deadline [9]	Session A September 8, 2021	Session B November 2, 2021	Session C November 3, 2021
Veterans Day Observed <b>Classes excused/University closed</b>	November 11, 2021		



Thanksgiving Holiday Observed <b>Classes excused/University closed</b>	November 25 - 26, 2021		
Complete Session Withdrawal Deadline [15] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here [16].	Session A October 8, 2021	Session B December 3, 2021	Session C December 3, 2021
Classes End/ Last Day to Process Transactions	Session A October 8, 2021	Session B December 3, 2021	Session C December 3, 2021
Study Days	Session A N/A	Session B N/A	Session C December 4-5, 2021
Final Exams [17]	Session A Last day of classes	Session B Last day of classes	Session C December 6-11, 2021
Final Grades Due	Session A October 11, 2021	Session B December 6-13, 2021	Session C December 6-13, 2021
Commencement [18] - (Graduate and Undergraduate)	December 13, 2021		
Degree Conferral Date	December 13, 2021		
Grade Replacement/Academic Standing Processing	December 14-15, 2021		
Holiday Break <b>Classes excused/University closed</b>	December 24 – 27, 2021		

## Spring 2022

**Session A:** Monday, 1/10/2022 – Tuesday, 3/1/2022

**Session B:** Monday, 3/14/2022 – Friday, 4/29/2022 (ASU Online and iCourses may end on Tuesday, 5/3/2022)

**Session C:** Monday, 1/10/2022 – Friday, 4/29/2022 (Final Exams 5/2/2022 – 5/7/2022)

Schedule of Classes Available [2]	September 21, 2021 (tentative)		
Registration and Tuition Guide Available [3]	September 28, 2021 (tentative)		
Registration Dates Begin [4]	ASU Online students: October 1, 2021 In-Person students: October 18, 2021 (tentative)		
\$50.00 Late Registration Fee Begins [5] (does not apply to ASU Online students)	Session A TBD	Session B TBD	Session C TBD
<b>Tuition Fee Payment Deadline</b> - for registration from TBD through TBD. For more information see Tuition and Deadlines [6]	TBD		
<b>Automatic ASU Payment Plan Enrollment</b> - Students who registered through January 18 and who have unpaid tuition and other eligible payment plan charges will be automatically enrolled in the ASU Payment Plan [7].	TBD		
<b>Classes Begin</b>	<b>Session A</b> January 10, 2022	<b>Session B</b> March 14, 2022	<b>Session C</b> January 10, 2022
Academic Status Reports [8] – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in MyASU within 24 hours after each weekly reporting period closes on Sundays	Session A January 10 – February 20, 2022	Session B March 14 – April 24, 2022	Session C January 10 – April 24, 2022
Last Day to Register or Drop/Add Without College Approval [9]	Session A January 11, 2022	Session B March 15, 2022	Session C January 16, 2022
Residency Classification Petition Deadline [10]	January 14, 2022		
<b>Tuition &amp; Fees 100% Refund Deadline</b> - For more information see Tuition and Refund Policy [11]. <b>Note:</b> If you choose to drop a class [12] or withdraw from ASU [13] after this deadline, you may receive a bill for the financial aid used to cover those classes.	Session A TBD	Session B TBD	Session C TBD

Martin Luther King Jr. Holiday Observed <b>Classes excused/University closed</b>	January 17, 2022		
University 21st Day	Session A January 31, 2022	Session B April 4, 2022	Session C January 31, 2022
Deadline to Apply for Graduation (See also, Online Grad Fair [19], dates and times)	February 15, 2022		
University 45th Day	February 23, 2022		
Spring Break <b>Classes Excused/University open</b>	March 6 – 13, 2022		
Course Withdrawal Deadline [9]	Session A January 28, 2022	Session B April 1, 2022	Session C April 3, 2022
Complete Session Withdrawal Deadline [15] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here [16].	Session A March 1, 2022	Session B April 29, 2022	Session C April 29, 2022
<b>Classes End/</b> Last Day to Process Transactions (Session B ASU Online & iCourses may end Tuesday, 5/3/2022)	Session A March 1, 2022	Session B April 29, 2022	Session C April 29, 2022
Study Days	Session A N/A	Session B N/A	Session C April 30 – May 1, 2022
Final Exams [20]	Session A Last day of classes	Session B Last day of classes	Session C May 2 – 7, 2022
Final Grades Due	Session A March 4, 2022	Session B May 2 – 9, 2022	Session C May 2 – 9, 2022
Commencement [18] - (Graduate and Undergraduate)	May 9, 2022		
Degree Conferral Date	May 9, 2022		
Grade Replacement/Academic Standing Processing	May 10 – 11, 2022		

## Summer 2022

**Session A:** Monday, 5/16/2022 – Friday, 6/24/2022

**Session B:** Wednesday, 6/29/2022 – Tuesday, 8/9/2022

**Session C:** Monday, 5/16/2022 – Friday, 7/8/2022

Schedule of Classes Available [2]	February 1, 2022		
Registration Dates Begin [4]	February 2, 2022		
\$50.00 Late Registration Fee Begins [5] (does not apply to ASU Online students)	Session A TBD	Session B TBD	Session C TBD
<b>Tuition Fee Payment Deadline</b> - for registration through 5/18/2022. For more information see Tuition and Deadlines [6]	May 25, 2022		
<b>Classes Begin</b>	<b>Session A</b> May 16, 2022	<b>Session B</b> June 29, 2022	<b>Session C</b> May 16, 2022
Academic Status Reports [8] – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in MyASU within 24 hours after each weekly reporting period closes on Sundays	Session A TBD	Session B TBD	Session C TBD
Last Day to Register or Drop/Add Without College Approval [9]	Session A May 17, 2022	Session B June 30, 2022	Session C May 17, 2022
Residency Classification Petition Deadline [10]	May 17, 2022		
<b>Tuition &amp; Fees 100% Refund Deadline</b> - For more information see Tuition and Refund Policy [11]. <b>Note:</b> If you choose to drop a class [12] or withdraw from ASU [13] after this deadline, you may receive a bill for the financial aid used to cover those classes.	Session A TBD	Session B TBD	Session C TBD
Memorial Day Observed <b>Classes excused/University closed</b>	May 30, 2022		
Course Withdrawal Deadline [9]	Session A June 5, 2022	Session B July 19, 2022	Session C June 5, 2022
Deadline to Apply for Graduation (See also, Online Grad Fair [19], dates and times)	June 15, 2022		

<b>Tuition Fee Payment Deadline</b> - for registration from 5/19/2022 through 6/18/2022. For more information see Tuition and Deadlines [6]	June 25, 2022		
Independence Day Observed <b>Classes excused/University closed</b>	July 4, 2022		
<b>Tuition Fee Payment Deadline</b> - for registration from 6/19/2022 through 7/18/2022. For more information see Tuition and Deadlines [6]	July 25, 2022		
Complete Session Withdrawal Deadline [15] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here [16].	Session A June 24, 2022	Session B August 9, 2022	Session C July 8, 2022
<b>Classes End/</b> Last Day to Process Transactions	Session A June 24, 2022	Session B August 9, 2022	Session C July 8, 2022
Final Exams [20]	Session A Last day of classes	Session B Last day of classes	Session C May 2 – 7, 2022
Final Grades Due	Session A June 26, 2022	Session B August 11, 2022	Session C July 10, 2022
Degree Conferral Date	August 9, 2022		
Grade Replacement/Academic Standing Processing	August 12, 2022		

**Source URL:** <https://students.asu.edu/academic-calendar>

**Links:**

- [1] <https://my.asu.edu>
- [2] <https://webapp4.asu.edu/catalog/>
- [3] <https://students.asu.edu/registration-tuitionpayment-guide>
- [4] <https://students.asu.edu/registration>
- [5] <https://students.asu.edu/tuitiondescriptions>
- [6] <https://students.asu.edu/tuitiondeadlines>
- [7] <https://students.asu.edu/payment-plan>
- [8] <http://asu.force.com/kb/articles/FAQ/What-is-an-Academic-Status-Report>
- [9] <https://students.asu.edu/drop-add>
- [10] <https://students.asu.edu/residency>

- [11] <http://students.asu.edu/tuitionrefundpolicy>
- [12] <http://students.asu.edu/policies/census>
- [13] <http://students.asu.edu/policies/fa-withdrawal>
- [14] <https://students.asu.edu/graduation>
- [15] <https://students.asu.edu/drop-add#comp%20wd>
- [16] <http://students.asu.edu/forms/withdrawal>
- [17] <https://students.asu.edu/final-exam-schedule#Fall%2019>
- [18] <http://graduation.asu.edu/>
- [19] <https://graduation.asu.edu/graduates/dressing>
- [20] <https://students.asu.edu/final-exam-schedule#Spring>

# Residency

## Residency for tuition purposes

In Arizona, tuition at publicly supported universities is lower for residents than non-residents. Residency classification is determined for all students in accordance with guidelines provided by the Arizona Board of Regents' (ABOR) [1], which reflect current Arizona revised statutes [2]. Refer to Non-Resident Tuition Rate for Arizona High School Graduates [3] for additional information.

## Residency navigator

We've designed this tool to help you determine which residency classification category may apply to you. Using the residency navigator will not have any influence on the outcome of your residency petition. It is not intended to predict whether your petition will be approved or denied.

[Archivist's Note: In-page Residency Navigator tool unable to be captured.]

## Residency petition

You may fit into multiple categories. Determine which is the most appropriate for your situation.

## Independent student

### Eligibility

You're considered an independent student if:

- you've lived continuously in Arizona for at least 12 months
- can demonstrate intent to be an Arizona resident (which includes financial independence) and
- can show you're not primarily in Arizona to be a student.

Read more about the specific requirements [4].

### Petition and required docs

Independent student petition:

1. Review the requirements [4] for the petition that works best for you.
2. Initiate your petition by completing the online questionnaire [5] prior to the deadline [6].
3. Complete your petition by submitting all requested documentation [7].

### Deadlines

Don't miss your deadlines [6]:

- Petition deadline – this is the last day to complete the online questionnaire.
- Document deadline – this is the last day you can submit your supporting documentation.
- Priority deadline – complete your questionnaire and submit all your docs by this date if you want your petition reviewed before classes start.

## Dependent student

### Eligibility

This 12 month exception applies to a dependent student if:

- you and your parent (or legal guardian) have established domicile in Arizona

- your parent is entitled to claim you as a dependent child for state and federal tax purposes

Read more about the specific requirements [4].

## **Petition and required docs**

Dependent student petition:

1. Review the requirements [4] for the petition that works best for you.
2. Initiate your petition by completing the online questionnaire [5] prior to the deadline [6].
3. Complete your petition by submitting all requested documentation [8].

## **Deadlines**

Don't miss your deadlines [6]:

- Petition deadline – this is the last day to complete the online questionnaire.
- Document deadline – this is the last day you can submit your supporting documentation.
- Priority deadline – complete your questionnaire and submit all your docs by this date if you want your petition reviewed before classes start.

## **Spouse**

### **Eligibility**

You're considered a spouse if you are legally married. You would also need to show that:

- your spouse is financially independent
- your spouse has lived in Arizona for 12 consecutive months
- your spouse is eligible to claim you as an exemption for tax purposes
- you are domiciled in Arizona

Read more about the specific requirements [4].

## **Petition and required docs**

Spouse petition:

1. Review the requirements [4] for the petition that works best for you.
2. Initiate your petition by completing the online questionnaire [5] prior to the deadline [6].
3. Complete your petition by submitting all requested documentation [9].

## **Deadlines**

Don't miss your deadlines [6]:

- Petition deadline – this is the last day to complete the online questionnaire.
- Document deadline – this is the last day you can submit your supporting documentation.
- Priority deadline – complete your questionnaire and submit all your docs by this date if you want your petition reviewed before classes start.

## **Transferred employee**

### **Eligibility**

This 12-month exception applies to individuals (and spouses) who:

- were transferred to Arizona for employment purposes within the last 12 months
- can document that their employer paid their relocation expenses
- are not self-employed or employed in a family-owned business not previously operating in Arizona

Read more about the specific requirements [4].



## Petition and required docs

Transferred employee petition:

1. Review the requirements [4] for the petition that works best for you.
2. Initiate your petition by completing the online questionnaire [5] prior to the deadline [6].
3. Complete your petition by submitting all requested documentation [10].

## Deadlines

Don't miss your deadlines [6]:

- Petition deadline – this is the last day to complete the online questionnaire.
- Document deadline – this is the last day you can submit your supporting documentation.
- Priority deadline – complete your questionnaire and submit all your docs by this date if you want your petition reviewed before classes start.

## Military

### Eligibility

U.S. military members (and their spouses or dependents) qualify for residency if:

- the U.S. military member is currently stationed in Arizona
- the U.S. military member's state of legal residence is Arizona (and has been for at least 12 months)

Dependents of U.S. military members can also qualify for residency if:

- the student has demonstrated objective evidence of intent to be an Arizona resident and is using transferred Post-9/11 G.I. Bill (Chapter 33) benefits during a time in which the member of the U.S. uniformed services is serving on active duty (90 days or more)

Read more about the specific requirements [4].

## Petition and required docs

Military petition:

1. Review the requirements [4] for the petition that works best for you.
2. Initiate your petition by completing the online questionnaire [5] prior to the deadline [6].
3. Complete your petition by submitting all requested documentation [11].

## Deadlines

Don't miss your deadlines [6]:

- Petition deadline – this is the last day to complete the online questionnaire.
- Document deadline – this is the last day you can submit your supporting documentation.
- Priority deadline – complete your questionnaire and submit all your docs by this date if you want your petition reviewed before classes start.

## Veteran

### Eligibility

Veterans qualify for residency if:

- the veteran was discharged with a character of service of "honorable" and provides proof of intent to be an Arizona resident
- the veteran enrolled at a university under the Arizona Board of Regents within three years of their last active duty service of 90 days or more, is eligible for Chapter 30 or 33 benefits, and provides proof of intent to be an Arizona resident

Dependents of veterans qualify if:

- the dependent is enrolled at a university under the Arizona Board of Regents within three years of the veteran's last active duty service of 90 days or more, is eligible for Chapter 33 benefits, and provides proof of intent to be an Arizona resident
- the dependent is receiving benefits certified under the Marine Gunnery Sergeant John David Fry Scholarship and provides proof of intent to be an Arizona resident

Read more about the specific requirements [4].

## **Petition and required docs**

Veterans petition:

1. Review the requirements [4] for the petition that works best for you.
2. Initiate your petition by completing the online questionnaire [5] prior to the deadline [6].
3. Complete your petition by submitting all requested documentation [12].

## **Deadlines**

Don't miss your deadlines [6]:

- Petition deadline – this is the last day to complete the online questionnaire.
- Document deadline – this is the last day you can submit your supporting documentation.
- Priority deadline – complete your questionnaire and submit all your docs by this date if you want your petition reviewed before classes start.

## **Native American**

### **Eligibility**

You qualify for this exception if you are an enrolled member of an Indian tribe whose reservation land lies wholly or partially in Arizona.

Read more about the specific requirements [4].

## **Petition and required docs**

Native American petition:

1. Review the residency requirements [4] for the petition that works best for you.
2. Submit your online petition [5] prior to the deadline [6].
3. Submit your required documentation [13].

## **Deadlines**

Don't miss your deadlines [6]:

- Petition deadline – this is the last day to complete the online questionnaire.
- Document deadline – this is the last day you can submit your supporting documentation.
- Priority deadline – complete your questionnaire and submit all your docs by this date if you want your petition reviewed before classes start.

## **Teacher**

### **Eligibility**

The teacher waiver allows you to pay resident tuition on courses required for teacher certification in Arizona if you are currently employed as a full-time teacher or classroom aide in an Arizona public school district, an approved Arizona charter school or an approved Arizona private school.

Teacher waivers are effective only for the semester for which they are submitted. A new teacher waiver petition must be submitted for subsequent semesters.

Read more about the specific requirements [4].

### **Petition and required docs**

Teacher petition:

1. Review the residency requirements [4] for the petition that works best for you.
2. Submit your online petition [5] prior to the deadline [6].
3. Submit your required documentation [14].

### **Deadlines**

Don't miss your deadlines [6]:

- Petition deadline – this is the last day to complete the online questionnaire.
- Document deadline – this is the last day you can submit your supporting documentation.
- Priority deadline – complete your questionnaire and submit all your docs by this date if you want your petition reviewed before classes start.

## **AmeriCorps/VISTA**

### **Eligibility**

This exception applies to students that have served one year in Arizona in either an AmeriCorps or Volunteers in Service to America (VISTA) program.

Read more about the specific requirements [4].

### **Petition and required docs**

AmeriCorps/VISTA petition:

1. Review the residency requirements [4] for the petition that works best for you.
2. Submit your online petition [5] prior to the deadline [6].
3. Submit your required documentation [17].

### **Deadlines**

Don't miss your deadlines [6]:

- Petition deadline – this is the last day to complete the online questionnaire.
- Document deadline – this is the last day you can submit your supporting documentation.
- Priority deadline – complete your questionnaire and submit all your docs by this date if you want your petition reviewed before classes start.

## **Requesting residency reclassification**

Once you know which petition is best for you, this is what you need to do.

1. Review the requirements
2. Complete the questionnaire
3. Submit your documents

## Common residency questions

Still have unanswered questions? Take a look through our frequently asked questions below to see if your question is listed there. If not, we're happy to help [16].

### **I INDICATED THAT I WAS AN ARIZONA RESIDENT ON MY ADMISSIONS APPLICATION, YET I AM CLASSIFIED AS A NON-RESIDENT AND WAS CHARGED THE NON-RESIDENT APPLICATION FEE? HOW CAN I FIX THIS? [17]**

Your residency classification is determined by a review of all of the information provided on your admissions application in accordance with guidelines provided by the Arizona Board of Regents. Your status as a non-resident is a result of one or more factors used to determine this classification. Please review the Residency Classification [18] web page and contact a residency specialist [19] if you have any questions.

### **I AM CURRENTLY ATTENDING A COMMUNITY COLLEGE IN ARIZONA AS A RESIDENT; DOES THAT MAKE ME A RESIDENT AT ASU? [20]**

Not necessarily. Residency for tuition purposes for the three state universities is determined according to guidelines established by the Arizona Board of Regents (ABOR). The community colleges are not governed by ABOR and your classification as a resident at the community college may or may not be in compliance with current ABOR policies.

### **I AM A CONTINUING STUDENT; WILL MY RESIDENCY AUTOMATICALLY CHANGE AFTER ONE YEAR? [21]**

No. Your status will remain non-resident and any student wanting to be re-classified must initiate the process by contacting the residency office and submitting a petition by the appropriate deadline. Simply being a student at ASU for one year is not sufficient for residency purposes per ABOR policy, which reads, "No individual has established residency for tuition purposes in Arizona while attending any education institution in Arizona as a full-time student in the absence of objective evidence to the contrary."

### **I WAS BORN AND RAISED IN ARIZONA THEN LEFT FOR A SHORT PERIOD OF TIME BEFORE RETURNING, CAN I STILL BE CLASSIFIED AS AN ARIZONA RESIDENT FOR TUITION PURPOSES? [22]**

Leaving Arizona will not result in a loss of Arizona residency unless your absence is accompanied by actions that indicate intent to establish a new domicile elsewhere. Former residents of Arizona who established domicile elsewhere would be classified as non-residents upon return and would not be eligible for residency until current ABOR policies are met. Residency classification is re-visited after any break in enrollment or absence from the university.

### **MY PARENT IS AN ASU ALUMNUS; DOES IT HAVE ANY EFFECT ON MY RESIDENCY CLASSIFICATION? [23]**

No. Your residency classification is evaluated against current ABOR policy and your parent's status as an alumnus is not a consideration.

More FAQs [24]

**Source URL:** <https://students.asu.edu/residency>

#### **Links:**

- [1] <http://www.azregents.edu/board-committees/policy-manual>
- [2] <https://www.azleg.gov/arstitle/>
- [3] <https://students.asu.edu/non-resident-tuition-rate-arizona-high-school-graduates>
- [4] <https://students.asu.edu/residency-requirements>
- [5] <https://go.oasis.asu.edu/residencypetition/>
- [6] <https://students.asu.edu/residency-deadlines>
- [7] [https://students.asu.edu/sites/default/files/in\\_dc\\_apr\\_2020\\_0.pdf](https://students.asu.edu/sites/default/files/in_dc_apr_2020_0.pdf)
- [8] [https://students.asu.edu/sites/default/files/de\\_dc\\_apr\\_2020\\_0.pdf](https://students.asu.edu/sites/default/files/de_dc_apr_2020_0.pdf)
- [9] [https://students.asu.edu/sites/default/files/sp\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/sp_dc_apr_2020.pdf)
- [10] [https://students.asu.edu/sites/default/files/tr\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/tr_dc_apr_2020.pdf)
- [11] [https://students.asu.edu/sites/default/files/mi\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/mi_dc_apr_2020.pdf)

- [12] [https://students.asu.edu/sites/default/files/vt\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/vt_dc_apr_2020.pdf)
- [13] [https://students.asu.edu/sites/default/files/na\\_dc\\_may\\_2020\\_0.pdf](https://students.asu.edu/sites/default/files/na_dc_may_2020_0.pdf)
- [14] [https://students.asu.edu/sites/default/files/tw\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/tw_dc_apr_2020.pdf)
- [15] [https://students.asu.edu/sites/default/files/am\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/am_dc_apr_2020.pdf)
- [16] <https://students.asu.edu/residency-contact>
- [17] <https://students.asu.edu/residency#cardBodyOne>
- [18] <https://students.asu.edu/residency>
- [19] <mailto:residency@asu.edu>
- [20] <https://students.asu.edu/residency#cardBodyTwo>
- [21] <https://students.asu.edu/residency#cardBodyThree>
- [22] <https://students.asu.edu/residency#cardBodyFour>
- [23] <https://students.asu.edu/residency#cardBodyFive>
- [24] <https://students.asu.edu/faq/156>

## Residency requirements

### Student/petition types

Any student who has been classified as a non-resident may apply for reclassification. Review the specific requirements for the petition that best applies to your situation. Then read the residency guidelines below.

### Independent student

You're considered an independent student if:

- you've lived continuously in Arizona for at least 12 months
- can demonstrate intent to be an Arizona resident (which includes financial independence) and
- can show you're not primarily in Arizona to be a student.

All of the evidence is weighed under the presumption that a nonresident student's presence in Arizona is primarily for the purpose of education and not to establish domicile, and that decisions of an individual as to the intent to establish domicile are generally made after the completion of an education and not before.

- Evidence indicating intent must exist at the beginning of and be maintained throughout the 12 month period of continuous presence needed to establish residency classification. Acts or events occurring less than 12 months before the last day of registration may be considered as evidence of the lack of such intent.
- A statement of intent by the student should be weighed in light of the fact that the student knows that he or she will realize a substantial reduction in tuition by being classified as a resident for tuition purposes.
- Each item presented for determination shall be subject to the classification officer's or review committee's decision as to the weight to be given to it, and such officer or committee shall be the sole judge of the authenticity or truthfulness of any material or statements submitted as supportive evidence. The classification officer may require original or certified copies of documentation.
- If a minor applies for classification as a resident and alleges that he or she is an emancipated individual, that individual must also establish that:
  - He or she is not living with a parent; and
  - There has been a complete severance of the parental relationship to all legal rights and liabilities, including but not limited to care, custody, control, and service.

Unless the contrary appears to the satisfaction of the classification officer or review committee making a classification determination, it shall be presumed that:

- No individual has established residency for tuition purposes in Arizona while attending any education institution in Arizona as a full-time student in the absence of objective evidence to the contrary.
- If an individual is absent from Arizona for more than 30 days they must provide objective evidence that they retained their Arizona domicile.

## Dependent student

This 12 month exception applies to a dependent student if:

- you and your parent (or legal guardian) have established domicile in Arizona
- your parent is entitled to claim you as a dependent child for state and federal tax purposes

## Spouse

You're considered a spouse if you are legally married. You would also need to show that:

- your spouse is financially independent
- your spouse has lived in Arizona for 12 consecutive months
- your spouse is eligible to claim you as an exemption for tax purposes
- you are domiciled in Arizona

## Transferred employee

This 12-month exception applies to individuals (and spouses) who:

- were transferred to Arizona for employment purposes within the last 12 months
- can document that their employer paid their relocation expenses
- are not self-employed or employed in a family-owned business not previously operating in Arizona

## Military

U.S. military members (and their spouses or dependents) qualify for residency if:

- the U.S. military member is currently stationed in Arizona, OR
- the U.S. military member's state of legal residence is Arizona (and has been for at least 12 months)

Dependents of U.S. military members can also qualify for residency if:

- the student has demonstrated objective evidence of intent to be an Arizona resident and is using transferred Post-9/11 G.I. Bill (Chapter 33) benefits during a time in which the member of the U.S. uniformed services is serving on active duty (90 days or more)

## Veteran

Veterans qualify for residency if:

- the veteran was discharged with a character of service of "honorable" and provides proof of intent to be an Arizona resident
- the veteran enrolled at a university under the Arizona Board of Regents within three years of their last active duty service of 90 days or more, is eligible for Chapter 30 or 33 benefits, and provides proof of intent to be an Arizona resident

Dependents of veterans qualify if:

- the dependent is enrolled at a university under the Arizona Board of Regents within three years of the veteran's last active duty service of 90 days or more, is eligible for Chapter 33 benefits, and provides proof of intent to be an Arizona resident
- the dependent is receiving benefits certified under the Marine Gunnery Sergeant John David Fry Scholarship and provides proof of intent to be an Arizona resident

## Native American

You qualify for this exception if you are an enrolled member of an Indian tribe whose reservation land lies wholly or partially in Arizona. Eligible tribes:

- Ak Chin Indian Community of Maricopa
- Cocopah Tribe of Arizona

- Colorado River Indian Tribes of the Colorado River Indian Reservation—includes Chemehuevi, Hopi, Mohave and Navajo
- Fort McDowell Yavapai Nation
- Fort Mojave Indian Tribe
- Gila River Indian Community
- Havasupai Tribe
- Hopi Tribe
- Hualapai Indian Tribe
- Kaibab Band of Paiute Indians
- Navajo Nation
- Pascua Yaqui Tribe
- Pueblo of Zuni
- Quechan Tribe
- Salt River Pima-Maricopa Indian Community
- San Carlos Apache Tribe
- San Juan Southern Paiute Tribe
- Tohono O’odham Nation
- Tonto Apache Tribe
- White Mountain Apache Tribe
- Yavapai-Apache Nation
- Yavapai-Prescott Tribe

## Americorp/Vista

This exception applies to students that have served one year in Arizona in either an AmeriCorps or Volunteers in Service to America (VISTA) program.

You will need to provide a letter on letterhead from the sponsoring organization that confirms your dates of participation.

## Teacher

The teacher waiver requires you to be domiciled in Arizona and under contract to either teach on a full-time basis or work as a full-time classroom aide in an Arizona public school district, an approved Arizona charter school or an approved Arizona private school. Approved students will be classified as non-residents but will pay resident tuition on courses required for teacher certification in Arizona.

Teacher waivers are based on enrollment and are effective only for the semester in which they are submitted. A new teacher waiver petition must be submitted for subsequent semesters.

## Residency guidelines

Your residency classification is initially determined via the admissions application according to residency guidelines provided by the Arizona Board of Regents [1]. As a non-resident, you may request reclassification if you think you should be a resident for tuition purposes. If you choose to do so, you would be responsible for providing objective evidence for all factors necessary to provide a basis for this change.

The online residency petition [2] is only available to current, active, non-resident students. New or future students do not become current or active until they are admitted to the University and enrollment begins for the student’s semester of admission (see the ASU Academic Calendar [3] for enrollment dates).

## Requesting residency reclassification

Requesting reclassification, aka submitting a petition, requires you to:

1. Understand ABOR the requirements and ask questions when you need help.
2. Initiate your request by completing an online questionnaire [4] prior to the petition deadline [5].
3. Submit all required documentation [6] prior to the document deadline [5].

A successful petition requires all three – but two and three are the most important. Your request can't be reviewed until you have completed the questionnaire and submitted your supporting documents (there would be nothing for the residency office to review).

## Documentation

Your required documentation will be as unique as you are. The documents requested are based on how you answer the questionnaire and there isn't a single list that applies to everyone.

Supporting your request with adequate and appropriate documentation is your responsibility. Petitions that are lacking sufficient documentation will be denied. If there is something you do not have or cannot provide, submit a written explanation instead. You will also be able to submit documents that were not asked for – it can be hard to know what will be helpful to students in every situation, but if there is something that you think will help your case then you should submit it.

Misrepresentation or falsification of any information may be costly. Students who have omitted, falsified, or misrepresented any information in effort to obtain resident status will be referred to Student Rights and Responsibilities [7] for disciplinary action, which may include dismissal from the university or forfeiting your right to request reclassification for current and future terms.

## Petition fee

There is a \$50, non-refundable fee required if you are requesting reclassification as an independent student, dependent student, spouse or transferred employee. The petition fee can be paid online after you submit your petition. The Residency Classification Office cannot accept or process any fee payments. There are no fees associated with the following petition types: Military, Veteran, Native American, AmeriCorps/VISTA and Teacher Waiver.

## Processing time

Processing times vary and are largely dependent on when your petition was completed (including the online petition and all required supporting documentation). Decisions are generally made within 4-6 weeks, but may take significantly longer if your petition is completed after July 15 (for fall) and December 1 (for spring). If you need a decision prior to the first day of classes, you should submit everything (petition and all required documents) no later than the priority deadline [5].

## Checking your petition status

The status of your petition can be view from residency petition dashboard [4].

The lifespan of a petition will vary from student to student, but more often than not will look like this:

- **In queue:** You've submitted all of your required documents and paid the petition fee (if applicable). This means your petition is now ready to be reviewed.
- **Documents needed:** Your petition is under review and the residency office has identified something they need to continue their review. You'll get an email with details, including instructions on how to submit new documents.



- **Contact residency:** Your petition is under review and the residency thinks it would be helpful to talk to you about something. Give them a call – they want to help.
- **Pending:** Your new documentation has been received and added to your file, but has not yet been evaluated by the person assigned to your petition.
- **In review:** Your decision is coming soon. Generally, this means you should expect to receive a decision in 7-10 days.
- **Approved/Denied:** You will receive notice of your decision via email. Be sure to read that decision carefully as it will have information about what to do if your petition was denied and what to expect if your petition was approved.
- **Withdrawal Warning:** You have not submitted all of your required documentation and your petition is at risk of being withdrawn. Submit all required documents prior to the document deadline so that your petition can be put "in queue".

Your petition may skip steps or may bounce around as the residency office works to figure things out. Keep an eye on your email and review the residency petition dashboard [4] to track the progress of your petition.

## Petition outcome

Your petition and supporting documents will be evaluated by a Residency Classification Specialist. Decisions are based on the quality of your documentation and the extent to which you have met your burden of proof. There are no exceptions granted due to unusual circumstances or financial hardship. ABOR policy defines the circumstances under which a student can be classified as a resident for tuition purposes and the Residency Classification Office and university does not have the authority to make exceptions.

If your residency petition is denied and you believe this decision is erroneous, you can request an appeal [8]. The deadline to appeal your denial will be indicated on your denial notification. Your appeal should be requested as soon as possible; appeal requests made after the posted deadline will not be processed.

## Tuition and fees

Your tuition and fees are dependent on your residency classification. You are responsible for paying your tuition and fees; balances not paid in full by the published deadline [3] will be subject to late fees and a payment plan fee per university policy prior. Requesting reclassification does not waive this responsibility. Overpayments will be refunded to you if your petition is approved; late fees and payment plan fees (if applied) are non-refundable.

## Financial aid

Financial aid is calculated based partly on cost of attendance. Changes to your residency classification may cause your financial aid to be recalculated and adjusted accordingly. In some cases, your aid may be reduced or cancelled and you may be required to return funds that have already been disbursed to you. If you have questions, contact Financial Aid and Scholarship Services [9].

## Citizenship and lawful immigration status

State law requires all students who are classified as residents for tuition purposes to provide verification of citizenship, permanent residency, or other lawful immigration status. Students that cannot meet this requirement cannot be classified as residents for tuition purposes. Visit Citizenship/Status Verification [10] for more information. If required from you, you will see a priority task on your My ASU [11] page with additional instructions.

## Visa types and residency for international students

Only persons who are entitled to reside permanently in the U.S. are eligible to be residents for tuition purposes. These students must still prove they also meet current ABOR guidelines for residency. Temporary, non-immigrant visas do not allow an individual to obtain a permanent status in Arizona regardless of the length of the visa or the number of times it is renewed. Resident students that are issued a non-eligible visa type will be changed to non-resident. Please see visa types and residency eligibility list [12] for additional information.

## Additional information

Arizona Board of Regents (ABOR) Policy Manual, Section B: Tuition Classification (4.201-208) [13]

Arizona Revised Statutes - Title 15 (A.R.S. 15-1801 to 1807) [14]

Verification of Citizenship or Lawful Presence [15]

**Source URL:** <https://students.asu.edu/residency-requirements>

### Links:

[1] <http://www.azregents.edu/board-committees/policy-manual>

[2] <https://go.oasis.asu.edu/residencypetition/>

[3] <https://students.asu.edu/academic-calendar>

[4] <https://www.asu.edu/go/residencypetition>

[5] <https://students.asu.edu/residency-deadlines>

[6] <https://students.asu.edu/residency-forms>

[7] <https://eoss.asu.edu/dos/srr>

[8] <https://students.asu.edu/residency-appeal>

[9] <https://students.asu.edu/financial-aid/contact>

[10] <https://students.asu.edu/verification-citizenship>

[11] <https://webapp4.asu.edu/myasu/student>

[12] <https://students.asu.edu/forms/visa-types-and-residency-eligibility>

[13] <https://www.azregents.edu/board-committees/policy-manual>

[14] <http://www.azleg.gov/ArizonaRevisedStatutes.asp?Title=15>

[15] <https://students.asu.edu/statusverification>

## Residency documentation

### Residency petition documentation

Your documentation is a critical part of your petition. However, the list of documents needed can only be generated after you have completed the online questionnaire portion of your petition. Use the residency navigator [1] to help determine which petition type is most applicable to your situation and start your petition from here [2].

If you have questions or need assistance, contact the residency office [3] for help.

### Submitting documentation

You will use the residency petition dashboard [2] to upload and submit all required documentation. This is a secure application that stores your documents directly to your student record. Be sure to submit all documents prior to the document deadline [4].

Here are some tips to help you with uploading your documents:

- Each requested document should be uploaded as a separate file. For example, you will have one file for your license, one for your voter registration, etc.
- You can and should upload multiple files for specific items. For example, 12 months of bank statements would be uploaded as 12 separate files. This simplifies the review process and makes it easier to keep track of your documents.
- You can descriptions to your uploaded documents to clarify what that document is or why it is being provided.
- You can delete documents that were added by mistake; however, once you hit the “Submit Documents” button, your documents are saved to your student record and cannot be removed.
- If there is something you don’t have or can’t provide, write a quick explanation in a Word or Text document and upload that instead.
- You can upload some documents and then return at a later date to finish, but nothing is official until you click on the "Submit Documents" button.
- You won’t be able to submit your documents until request documents have been uploaded.
- Acceptable file types are: .BMP, .CSV, .DOC, .DOCX, .JPEG, .JPG, .PDF, .PNG, .RTF, .TIF, .TIFF, .TXT, .XLS, .XLSX
- Make it easy for your evaluator to quickly make sense of your documents by giving each file a unique or descriptive name, e.g., "May\_2021\_Bank\_Statement".

If you get stuck or have an issue, try this: [How to Upload Documents \[5\]](#). Or, let us know - we can help you through the process.

## Petition fees

Petition fees can be paid from the Residency Petition Dashboard [2]. If payment is required for your petition type, your petition will not be reviewed until this fee is paid. The Residency Classification Office cannot accept or process any fee payments.

Click on the link below to find additional instructions for your petition type.

### **\$50 fee required**

[Independent Student \[6\]](#)

[Dependent Student \[7\]](#)

[Spouse of an Arizona Resident \[8\]](#)

[Transferred Employee \[9\]](#)

### **No fee**

[Military Exception Checklist \[10\]](#)

[Veteran Exception Checklist \[11\]](#)

[Native American Exception Checklist \[12\]](#)

[Teacher Waiver Checklist \[13\]](#)

[AmeriCorps/VISTA Exception Checklist \[14\]](#)

## Additional information

- Petitions are processed based on when they are completed (and marked as “in queue”). Submit your petition and supporting documents as early as possible.
- When you submit a petition, a priority task will appear in My ASU [15] to remind you to support your petition with appropriate documentation. Once we have what we need, this task will be removed.
- The university considers all information relevant to your request – this includes anything in your academic record – e.g. admissions application, financial aid awards, etc.

- We may verify the authenticity of all documents provided and may add our own research or findings to your petition.
- You are expected to provide all required documents. If there is something you can't provide, please submit a written explanation instead.
- Your documentation must be clear and legible.
- All students are advised to redact sensitive information prior to the submission of certain documents, e.g., your social security number on your tax return.
- You may be asked for additional documents or written explanation.
- The burden of proof belongs to you. It is your responsibility to support your petition with appropriate documentation.
- Applications and accompanying documentation will be retained by Arizona State University in accordance with university approved requirements. All information will be kept confidential as required by law and university policy.

## Resources

- Moving to Arizona? Arizona Department of Revenue [16]
- New to Arizona? Arizona Motor Vehicle Division [17]
- Request a copy of an Arizona tax return from the Arizona Department of Revenue [18]
- Request a motor vehicle record from the Arizona Motor Vehicle Division [19]
- Request a tax transcript from the Internal Revenue Service [20]
- U.S. Citizenship and Immigration Services [21]
- Deferred Action for Childhood Arrivals (DACA) [22]
- Arizona Board of Regents Residency Classification [22]

**Source URL:** <https://students.asu.edu/residency-forms>

### Links:

- [1] <https://students.asu.edu/residency>
- [2] <https://go.oasis.asu.edu/residencypetition/>
- [3] <mailto:residency@asu.edu>
- [4] <https://students.asu.edu/residency-deadlines>
- [5] [https://students.asu.edu/files/how\\_to\\_upload\\_your\\_petition\\_documents\\_apr2020.pdf](https://students.asu.edu/files/how_to_upload_your_petition_documents_apr2020.pdf)
- [6] [https://students.asu.edu/sites/default/files/in\\_dc\\_apr\\_2020\\_0.pdf](https://students.asu.edu/sites/default/files/in_dc_apr_2020_0.pdf)
- [7] [https://students.asu.edu/sites/default/files/de\\_dc\\_apr\\_2020\\_0.pdf](https://students.asu.edu/sites/default/files/de_dc_apr_2020_0.pdf)
- [8] [https://students.asu.edu/sites/default/files/sp\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/sp_dc_apr_2020.pdf)
- [9] [https://students.asu.edu/sites/default/files/tr\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/tr_dc_apr_2020.pdf)
- [10] [https://students.asu.edu/sites/default/files/mi\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/mi_dc_apr_2020.pdf)
- [11] [https://students.asu.edu/sites/default/files/vt\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/vt_dc_apr_2020.pdf)
- [12] [https://students.asu.edu/sites/default/files/na\\_dc\\_may\\_2020\\_0.pdf](https://students.asu.edu/sites/default/files/na_dc_may_2020_0.pdf)
- [13] [https://students.asu.edu/sites/default/files/tw\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/tw_dc_apr_2020.pdf)
- [14] [https://students.asu.edu/sites/default/files/am\\_dc\\_apr\\_2020.pdf](https://students.asu.edu/sites/default/files/am_dc_apr_2020.pdf)
- [15] <http://my.asu.edu/>
- [16] <https://azdor.gov/individual-income-tax-information/moving-arizona>
- [17] <http://www.azdot.gov/mvd/driver-services/NewtoAZ>
- [18] <https://azdor.gov/forms/other-forms/request-copies-tax-documents>
- [19] <http://www.azdot.gov/mvd/driver-services/driver-license-information/motor-vehicle-records>
- [20] <http://www.irs.gov/Individuals/Get-Transcript>
- [21] <http://www.uscis.gov/>
- [22] <http://www.dhs.gov/deferred-action-childhood-arrivals>

# Residency deadlines

## Deadlines

Deadlines are critical and missing a deadline can have significant consequences.

- **Petition deadline.** Per ABOR policy, failure to submit a petition by this deadline constitutes a waiver of your right to petition for that term. This deadline specifically applies to the online questionnaire portion of your petition.
- **Document deadline.** Your supporting documentation (and petition fee, if applicable) must be submitted by this date. Petitions that are not supported by all requested documentation will be withdrawn from consideration.
- **Priority deadline.** If an early decision is important to you, make sure you submit your petition is in its entirety prior to this date (but only if you are also meeting all requirements prior to this date see below for more information).

Deadline	Summer 2021	Fall 2021	Spring 2022	What it Means - Why It's Important
<b>Petition Deadline<sup>1</sup></b>	5/15/2021	8/25/2021	1/14/2022	<ul style="list-style-type: none"><li>• The questionnaire portion of your petition must be submitted before this deadline.</li><li>• This date is used for determining domicile year. Requirements for any given petition type must be met by the date.</li></ul>
<b>Document Deadline</b>	6/7/2021	9/9/2021	2/1/2022	<ul style="list-style-type: none"><li>• This is the last day to submit supporting documentation for your petition.</li><li>• Petitions that are lacking supporting documentation will be withdrawn.</li></ul>
<b>Priority Deadline</b>	4/1/2021	6/1/2021	11/1/2021	<ul style="list-style-type: none"><li>• Petitions completed prior to the priority deadline will be evaluated before the first day of classes.</li><li>• Meeting this deadline means your petition will be reviewed before tuition is due.</li></ul>

<sup>1</sup> If the questionnaire portion of your petition is not completed and submitted before the petition deadline, you have forfeited your opportunity to request reclassification for that semester. Extensions are not granted and there is no option to appeal a missed deadline.

## When to submit your petition

Submit your petition - which includes the online questionnaire and all requested supporting documentation - as early as possible, but not prior to when you are meeting all stated requirements for your petition type. For example, if you are petitioning as an independent student and won't meet the continuous physical presence requirement until August 1, then don't submit your petition until after August 1. Submitting your petition before you meet requirements may result in either your petition being denied or a request to provide additional documentation, which will further delay the process of reviewing your request.

**Source URL:** <https://students.asu.edu/residency-deadlines>

## Residency appeal

Per ABOR policy, students who believe they meet all residency requirements and have submitted a residency petition [1] but were subsequently denied, can appeal. An appeal hearing is your opportunity to present new evidence and/or testimony that supports why you think your denial was erroneous. Appeals are reviewed by the University Residency Appeal Committee, who will render a final decision. This committee is bound to the same ABOR policies as the Residency Office and does not have authority to make exceptions to ABOR policy. Staff members from the Residency Office are not permitted to serve on this committee and do not participate in the hearings.

### Appeal deadlines

Appeal requests must be submitted no later than 35 days after the last day of registration for the term for which the initial petition was submitted. Failure to properly file the appeal request prior to the established deadline date constitutes a waiver of your right to appeal. Appeals cannot be requested until after a decision on your petition has been made.

Semester	Appeal deadline
Summer 2021	June 22, 2021
Fall 2021	September 29, 2021
Spring 2022	February 18, 2022

### Submit your residency appeal

Before submitting your appeal request, please review your denial letter, decision summary and current Arizona Board of Regents (ABOR) guidelines [2]. Understanding why your petition was denied will help you prepare your appeal request.

- Form: Residency Classification Appeal Request [3]
- Additional instructions are included on the form.

### New documentation

All new documentation must be submitted with your appeal request form to ensure that all committee members have sufficient time to review this new information prior to your hearing.

### Scheduling

Submit your appeal request as early as possible. Appeal hearings require careful planning and the schedule is created prior to each semester based on committee member availability. Every effort will be made to accommodate your class schedule; however, with limited dates and times there can be no guarantee that your hearing will be compatible with your schedule. Requests for changes must be submitted in writing no later than 10 business days prior to your scheduled hearing.

- Appeal requests are prioritized and scheduled based on receipt date of your appeal request. Submit your request as early as possible.
- You will receive notification of the date, time and place of the appeal two weeks prior to your hearing.
- Hearings may be scheduled during spring, fall or winter breaks.

## Appeal hearing

Every hearing will be comprised of 3-5 voting members. Committee members will review all aspects of your petition and may ask questions that were not previously addressed by the residency office. Your hearing is your opportunity to provide verbal testimony that supports your request for reclassification. Generally, the committee will render a decision at the conclusion of your hearing, but does have the option to delay their vote for up to ten days.

## Attendance

You are not required to attend your hearing. If you choose to not attend, your hearing will be held in absentia and the committee will make a determination based on your written testimony and any additional documents you provide with your appeal request. Hearings held in absentia will not be rescheduled.

## Counsel or representation

Appeal hearings are not open meetings; however, you are allowed to invite witnesses or have legal representation. If an attorney will be representing you at your hearing, please notify the Residency Classification Office in advance.

## Appeal decision

Decisions of the Residency Classification Appeal Committee are final. Appellants will be notified of the Appeal Committee decision by email and certified letter. Overturning a decision requires a majority vote from the committee.

## Other considerations:

- Appellants who are reclassified as in-state resident students will be refunded the out-of-state portion of the tuition that has been paid for the term in question.
- Students with pending appeals are subject to all posted deadlines in the academic calendar.
- Having a pending appeal does not excuse the student from other deadlines, obligations or commitments, including petition deadlines for subsequent semesters.

**Source URL:** <https://students.asu.edu/residency-petition-committee-review>

### Links:

[1] <https://students.asu.edu/residency>

[2] <https://www.azregents.edu/board-committees/policy-manual>

[3] <https://students.asu.edu/forms/residency-appeal-form>

# Contact Residency

Residency classification – contact us

## Email

Send your questions to [residency@asu.edu](mailto:residency@asu.edu) [1].

## Phone

480-965-7712

## Mail

University Registrar Services  
Residency Classification  
PO Box 870312  
Tempe, AZ 85287-0312

## Documents

Upload documentation for your residency petition from the Residency Petition Dashboard. [2]

## Appointments

Schedule a 15-minute phone or Zoom appointment from here [3]

## FAQs

Here's some of our most commonly asked questions [4].

**Source URL:** <https://students.asu.edu/residency-contact>

### Links:

[1] <mailto:residency@asu.edu>

[2] <https://go.oasis.asu.edu/residencypetition/>

[3] <https://outlook.office365.com/owa/calendar/ResidencyClassification@arizonastateu.onmicrosoft.com/bookings/>

[4] <https://students.asu.edu/faq/156>

## Frequently asked questions - declaring Arizona residency

**I indicated that I was an Arizona resident on my admissions application, yet I am classified as a non-resident and was charged the non-resident application fee? How can I fix this?**

Your residency classification is determined by a review of all of the information provided on your admissions application in accordance with guidelines provided by the Arizona Board of Regents. Your status as a non-resident is a result of one or more factors used to determine this classification. Please review the Residency Classification [1] web page and contact a residency specialist [2] if you have any questions.



**I am currently attending a community college in Arizona as a resident; does that make me a resident at ASU?**

Not necessarily. Residency for tuition purposes for the three state universities is determined according to guidelines established by the Arizona Board of Regents (ABOR). The community colleges are not governed by ABOR and your classification as a resident at the community college may or may not be in compliance with current ABOR policies.

**I am a continuing student; will my residency automatically change after one year?**

No. Your status will remain non-resident and any student wanting to be re-classified must initiate the process by contacting the residency office and submitting a petition by the appropriate deadline. Simply being a student at ASU for one year is not sufficient for residency purposes per ABOR policy, which reads, "No individual has established residency for tuition purposes in Arizona while attending any education institution in Arizona as a full-time student in the absence of objective evidence to the contrary."

**I was born and raised in Arizona then left for a short period of time before returning, can I still be classified as an Arizona resident for tuition purposes?**

Leaving Arizona will not result in a loss of Arizona residency unless your absence is accompanied by actions that indicate intent to establish a new domicile elsewhere. Former residents of Arizona who established domicile elsewhere would be classified as non-residents upon return and would not be eligible for residency until current ABOR policies are met. Residency classification is re-visited after any break in enrollment or absence from the university.

**My parent is an ASU alumnus; does it have any effect on my residency classification?**

No. Your residency classification is evaluated against current ABOR policy and your parent's status as an alumnus is not a consideration.

**Does living in Arizona with a relative other than my parents have any effect on residency status?**

No. Your status will be determined based on a review of your situation, but living with family members or friends is not an indicator of intent or domicile and will not influence your status.

**I am a dual resident of Arizona; can I be considered a resident for tuition purposes?**

No. Any person wishing to be classified as a resident would need to provide objective evidence of intent to be a permanent resident of Arizona and demonstrate that all ties to the former state have been severed.

**My parents live out-of-state but I attend an Arizona high school; will I be considered a resident if I graduate from an Arizona high school?**

No, you would be classified as a non-resident. Per ABOR guidelines, "The domicile of an unemancipated person is that of either parent." You may, however, qualify for the Non-Resident Tuition Rate for Arizona High School Graduates [3], which is 150% of in-state tuition.

**I attended an Arizona institution using the WUE (Western University Exchange) or WICHE (Western Interstate Commission for Higher Education) program; will I be considered a resident?**

The WUE/WICHE program allows residents of a participating state to pay a special, reduced tuition rate at participating institutions in other states. However, the student must maintain residency in the originating state. In other words, by participating as a WUE/WICHE student you are affirming that you are not an Arizona resident. ABOR requirements for physical presence and intent to be an Arizona resident cannot be satisfied as a WUE/WICHE student. Refer to the ASU WUE page for more information.

**Are there any hardship exceptions?**

No. Any person requesting classification as a resident for tuition purposes must prove they meet ABOR requirements or that they meet one of the approved exceptions.

**I own property in Arizona; doesn't that make me a resident?**

Owning property in Arizona does not automatically qualify you as a resident for tuition purposes. Property ownership is one factor to be considered, but would not be sufficient without other objective evidence of domicile and intent.

### **If I marry an Arizona resident, can I be classified as a resident?**

Yes. There is a provision in current ABOR guidelines that would allow you to be re-classified if you marry a resident of Arizona. You would request reclassification by submitting a residency petition and providing appropriate documentation to support that both you and your spouse meet current ABOR guidelines for the spouse exception.

### **I am a research assistant, teaching assistant or graduate assistant and have been paying resident tuition. Am I a resident?**

No. These positions are funded by waivers submitted by your college or department that pays the out-of-state portion of your tuition and fees; but, your status for residency purposes remains non-resident. To request reclassification, you would need to submit residency petition and appropriate supporting documentation.

### **I'm an ASU employee who is classified as a nonresident for tuition purposes, but am otherwise eligible for the Qualified Tuition Reduction Program. How should I proceed?**

Please submit your Qualified Tuition Reduction Form (QTR) [4] to the Student Accounts Office. Once submitted, that office will notify the Residency Office who will adjust your residency status for the term in question.

### **How do I check the status of my residency petition?**

You can monitor the status of your petition from the residency reclassification application portal [5].

When a decision is made, an email will be sent to your @ASU email address.

**Source URL:** <https://students.asu.edu/faq/156>

#### **Links:**

[1] <https://students.asu.edu/residency>

[2] <mailto:residency@asu.edu>

[3] <https://students.asu.edu/non-resident-tuition-rate-arizona-high-school-graduates>

[4] <https://students.asu.edu/tuitionreduction>

[5] <https://www.asu.edu/go/residencypetition>

## **Verification of citizenship or lawful immigration status**

Arizona state law requires students to provide verification of citizenship, permanent residency or other lawful immigration status if they are classified as residents for tuition purposes or if they are seeking any type of financial assistance that is subsidized or paid in whole or in part with state monies. Students that need to complete this requirement are notified on My ASU [1] via a **Priority Task** or **Registration Hold**.

All students are advised to complete this requirement as early as possible, however students with an F1 or J1 visa must wait until after they arrived on campus.

### Verification process

#### **Option 1: Free Application for Federal Student Aid (FAFSA) [2]**

Verifying via the FAFSA is preferred. Students verified this way do not need to provide any additional documentation. Your priority task will be marked complete when ASU **receives and accepts** your FAFSA (which is typically five to seven days after your FAFSA is submitted to the US Department of Education). You may need to provide additional information if your FAFSA is rejected or selected for review by Financial Aid and Scholarship Services.

## Option 2: submit documents electronically [3]

Students can upload appropriate documents electronically using ASU's secure web form. A list of acceptable documents is provided on the web form. All documentation is subject to review and students may be asked to provide additional information. Processing time is 2-3 business days.

## Option 3: submit documents by email [3]

Students can submit documents by mail (see below) or by email to registrar@asu.edu [4]. Copies of your documentation is acceptable provided they are legible and unaltered. All documentation is subject to review and students may be asked to provide additional information. Processing time is 2-3 business days.

### Mail to:

Arizona State University  
University Registrar Services  
P.O. Box 870312  
Tempe, AZ 85287-0312

Documentation submitted by mail or by email must include a signed copy of the Citizenship Verification Form [5].

Completing this requirement is the student's responsibility. Students that do not provide verification will be charged non-resident tuition and will not be eligible for state-funded financial aid. If you have questions or concerns, please contact University Registrar Services at registrar@asu.edu [6] or 480-965-3124.

## Acceptable documents for verifying citizenship or other lawful immigration status

### Documents most frequently submitted by U.S. citizens:

- Arizona Driver's License
- U.S. Birth Certificate (with photo ID)
- Signed U.S. Passport
- Non-Arizona Driver's License (licenses and permits from the following states are NOT permissible: California, Colorado, Connecticut, Delaware, Hawaii, Illinois, Maryland, Nevada, New Jersey, New Mexico, New York, Utah, Vermont, Washington and the District of Columbia).
- Bureau of Indian Affairs ID Card, Tribal ID Card, or Certificate of Indian Blood (with photo ID)
- Signed U.S. Social Security Card (with photo ID)
- Signed Certificate of U.S. Citizenship or Signed Certificate of Naturalization (with photo ID)
- U.S. Military ID or DD-214 documentation (with photo ID)
- U.S. Armed Forces Driver's License
- Voter's Registration Card (with photo ID)
- Military dependent's ID card
- Consular Report of Birth Abroad (Form FS-240) Issued by State Department

### Documents most frequently submitted by non-U.S. citizens:

- Signed unexpired Foreign Passport and valid U.S. Visa
- Permanent Resident Card
- F1 Visa and I-20 (signed)
- J1 Visa and DS-2019 (signed)
- Refugee Travel Document (Form I-571) issued since 2003
- Form I-94 arrival/departure record with endorsement (expiration date must not have passed); stamp showing admission under section 207 (refugees) or section 208 (asylee) of the Immigration Nationality Act

If you are unable to provide verification or if you have questions, please contact University Registrar Services at registrar@asu.edu [7].

**Source URL:** <https://students.asu.edu/verification-citizenship>

**Links:**

[1] <https://my.asu.edu/>

[2] <https://students.asu.edu/financialaid/apply>

[3] <https://students.asu.edu/forms/citizenshipstatus-verification-form>

[4] <mailto:registrar@asu.edu?subject=Verification%20of%20Citizenship%2FLawful%20Presence%20>

[5] [https://students.asu.edu/sites/default/files/cv\\_form\\_02232021.pdf](https://students.asu.edu/sites/default/files/cv_form_02232021.pdf)

[6] <mailto:registrar@asu.edu?subject=Citizenship%Verification%Question>

[7] <mailto:registra@asu.edu>

# Tuition and fees

## Tuition and fee information

To view current year tuition and fees, please visit the Tuition and Cost Calculator [1].

To view historical information about tuition and fees, please visit Tuition and Fees Schedule [2].

All amounts shown in the Tuition and Fees Schedules or in other university publications or Web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with board policy, and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Tuition charges will be billed on your student account and may be viewed online through My ASU [3] after registration. See Billing [4] for information on how to pay your tuition and fees.

## ASU payment plan

If tuition is not paid by the applicable tuition due date, or financial aid is not awarded and accepted by the due date, you will be automatically enrolled in the ASU Payment Plan [5] and charged a nonrefundable enrollment fee.

## Leaving ASU

By registering for classes, you agree to pay all applicable tuition and registration fees. If you plan to leave the university, you must officially withdraw to cancel registration before the refund deadline. Refund deadlines are available on the Important Dates [6] calendar. Please ensure that you have dropped or withdrawn from all classes during the 100 percent refund period or you will be responsible for the tuition charges. See the Tuition Refund Policy [7].

## IRS form 1098-T

Arizona State University prepares an IRS form 1098-T, Tuition Tax Statement each calendar year. IRS form 1098-T reports amounts billed to you for qualified tuition and may assist you in the preparation of your tax return with regards to education tax benefits you may be eligible to claim. Read more about the IRS form 1098-T [8].

**Source URL:** <https://students.asu.edu/tuitionandfees>

### Links:

[1] <https://students.asu.edu/costs>

[2] <http://catalog.asu.edu/tuitionandfees>

[3] <http://my.asu.edu/>

[4] <https://students.asu.edu/tuitionandbilling>

[5] <https://students.asu.edu/paymentplan>

[6] <https://students.asu.edu/tuitiondeadlines>

[7] <https://students.asu.edu/tuitionrefundpolicy>

[8] <https://students.asu.edu/form1098t>

## Tuition and fee descriptions

ASU tuition and fees are approved annually by the Arizona Board of Regents. In addition to resident and nonresident tuition, commonly billed tuition and fees include:

### Differential tuition and program tuition

Certain colleges and programs assess additional differential and program tuition as approved by the Arizona Board of Regents. Visit the Tuition and Fees Schedules [1] for college and program specific tuition and fees.

### Excess hours tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold are required to pay an Excess Hours Tuition Surcharge [2]. Students who have more than 145 credit hours will be assessed the Undergraduate Excess Hours Tuition Surcharge.

### Undergraduate college fee 1-4

The Undergraduate College Fee is one of four fee categories based on a student's program of study. ASU conducted a comprehensive review of all instructional costs for every program. Programs of study with similar costs were grouped together, and those fees were averaged to determine an amount for each category. \*Visit the Tuition Estimator [3] to determine your Undergraduate College Fee.

#### Undergraduate college fee 1

Mary Lou Fulton Teachers College  
College of Integrative Sciences and Arts: Humanities and Social Sciences  
New College of Interdisciplinary Arts and Sciences: Humanities and Social Sciences

#### Undergraduate college fee 2

College of Integrative Sciences and Arts: Sciences  
New College of Interdisciplinary Arts and Sciences: Sciences  
College of Global Futures  
University College  
The College of Liberal Arts and Sciences: Humanities and Social Sciences  
Watts College of Public Service and Community Solutions

#### Undergraduate college fee 3

College of Health Solutions  
Edson College of Nursing and Health Innovation\*\*

#### Undergraduate college fee 4

Ira A. Fulton Schools of Engineering  
The College of Liberal Arts and Sciences: Sciences  
Thunderbird School of Global Management  
Walter Cronkite School of Journalism and Mass Communication  
W.P. Carey School of Business  
Herberger Institute for Design and the Arts

## Technology fee

The Technology Fee assessed to online students funds technology initiatives including implementation of ASU's wireless network, delivering University-licensed software to all students, increasing the number of technology-enabled classrooms, reducing dependence on computing labs and expanding and improving online self-service environment. For more information, click here [4].

## Student initiated fee

ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student Initiated Fees is the Financial Aid Trust fee. All students are assessed a mandatory financial aid trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund. For more information please see the Student Initiated Fee [5] webpage.

## Graduate student support fee

The Graduate Student Support Fee helps fund resources and services that support graduate students, including technology resources and services, instructional and laboratory expenses in departments and schools, and graduate student services.

## Special class, hybrid, oCourse, iCourse fees

Special Class, Hybrid, oCourse and iCourse fees are assessed based on enrollment in specific classes. These fees are published with each class through Class Search [6].

## Late registration fee

All students who register beginning the week before the first day of the semester will be assessed a late registration fee of \$50.00, with the exception of students enrolling only in late start sessions. Students enrolling exclusively in late start sessions, will be assessed the late registration fee beginning one week before the session start date. Please see Tuition Deadlines [7] for specific dates. Registration after the published deadline may be permitted under extraordinary circumstances if approved by an authorized College designee. Late fees are not refundable.

\*\*The College of Nursing and Health Innovation post-bac BSN will continue to maintain a separate fee. All other nursing programs will be in Undergraduate College Fee 3.

**Source URL:** <https://students.asu.edu/tuition-descriptions>

### Links:

[1] <http://www.asu.edu/admissions/tuitionandfees/>

[2] <https://students.asu.edu/tuitionsurcharge>

[3] <https://students.asu.edu/tuition>

[4] <https://eoss.asu.edu/technologyfee>

[5] <https://students.asu.edu/student-initiated-fee>

[6] <https://www.asu.edu/go/classsearch/>

[7] <https://students.asu.edu/tuitiondeadlines>

## Student initiated fee

ASU's student government leaders, on behalf of the students they represent, sought and received ABOR approval for the following Student Initiated Fees. Funding from these fees will be used to enrich the student experience.

### Recreation fee

The Recreation Fee of \$25.00 per semester supports programs and services at the Sun Devil Fitness Complexes. Additionally, these funds are used to provide support for programs/services like intramural sports and activities, a broad array of fitness classes, aquatics programs, instructional classes, and health education workshops, events and programs. It also supplements student employment opportunities for over 500 on-campus student positions. There is an advisory board that provides routine feedback on services, hours and programs to support guidance for overall student well-being. Students interested in serving on a Sun Devil Fitness Advisory Board are encouraged to apply [1].

### Student service facility fee

Students pay \$75.00 per semester to a combined fund which is then utilized to build and refurbish student spaces such as Memorial Union, Sun Devil Fitness Complexes, etc. The Student Service Facility Fee allows for the enhancements of existing facilities and the planning and development of new student service facilities to meet the needs of a growing student population. For a list of facilities built and supported by the fee click here [2]. Students interested in serving on the Facility Fee University Board to participate in discussions on these building projects are encouraged to apply [1].

### Student programs fee

The Student Programs Fee provides funding for student programming initiatives. Undergraduate students pay \$35.00 per semester and Graduate students pay \$35.00. Managed by the student government at each location, this fee is used to create programming that supports the student experience, student needs and interests. Recipients of the programs fee funding include: Programming and Activities Board (PAB) [3], Clubs and Organizations [4], Sports Clubs [5], Council of Coalitions [6], and the Childcare Subsidy [7]. In addition to these, each USG and GPSA also uses this fee to help support professional development, travel funding to support research and attend conferences, and large scale student programs and activities- to apply for these funding opportunities visit your student government website [8]. For detailed information about each student government's budget please visit this website [9]. To provide feedback or ask questions about the fiscal budget please reach out to your respective Student Government President [10].

### Health and wellness fee

Students pay \$55.00 per semester to the Health and Wellness Fee supplement the operation of ASU Health and Counseling Services. Funding supports a portion of the operating budget for medical and psychological services and health education and promotion. The Health Services Advisory Board provides routine feedback to the Director of Health Services on services provided, quality and efficiency of care, new innovations, and student needs. Students interested in serving on the Health Services Advisory Board are encouraged to apply [1].

### Student athletic fee

Students pay \$75.00 per semester for the Student Athletic Fee which supplements and supports the operations of Sun Devil Athletics, in exchange for a reinvestment of university funds into student identified priorities. Through the establishment of this fee, the tuition dollars traditionally allocated to Sun Devil Athletics will be reinvested into the university system in order to grant additional resources and services as identified by the Associated Students of Arizona State University, thereby establishing students as effective stakeholders in both Sun Devil Athletics and the university system, and furthering transparency between the university and the Associated Students of Arizona State University [11] over tuition dollars. These priorities were established by the Athletic Fee Operations Board and over the years have



included salary increases for Research and Teaching Assistants to a minimum standard, expanding transportation services to include weekends and holidays, free attendance to all ASU football games, and free graduate test prep programs [12]. Students interested in serving on the Athletic Fee Operations Board are encouraged to apply [1].

## Financial aid trust fee\*\*

The Financial Aid Trust Fee [13] assessed to all students as authorized by the Arizona Legislature.

Student Financial Aid Trust grants are assistance provided in partnership between ASU students and the state legislature. All students are assessed this fee to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. Priority for these limited awards is given to eligible undergraduate students who file their FAFSA by the priority filing date of January 1 and who are Arizona residents or underrepresented students with high financial need.

\*\*This is a fee that all ABOR students pay, including online students.

**Source URL:** <https://students.asu.edu/student-initiated-fee>

### Links:

[1] <https://eoss.asu.edu/studentgov/committees>

[2] <https://eoss.asu.edu/facilityfee>

[3] <https://eoss.asu.edu/pab>

[4] <https://eoss.asu.edu/clubs/>

[5] <https://fitness.asu.edu/programs/sportclubs>

[6] <https://eoss.asu.edu/student-and-cultural-engagement/get-involved>

[7] <https://eoss.asu.edu/students-families/oncampus/sun-devil-child-care-subsidy>

[8] <https://eoss.asu.edu/studentgov/about>

[9] [https://docs.google.com/document/d/1eyL8E7cgBh-6szhD5XxhR1E\\_LXPkQE3RxP5cLZNKvgs/edit](https://docs.google.com/document/d/1eyL8E7cgBh-6szhD5XxhR1E_LXPkQE3RxP5cLZNKvgs/edit)

[10] <https://eoss.asu.edu/studentgov/about/contact-us>

[11] <https://eoss.asu.edu/studentgov>

[12] <https://career.asu.edu/grad-school-and-test-prep>

[13] <https://public.azregents.edu/Policy%20Manual/4-322%20State%20Supported%20Financial%20Aid%20Programs.pdf>

## Tuition refund policy

By registering for classes students agree to pay all applicable tuition and registration fees. Students are required to pay all tuition and fees for any registered course unless enrollment is officially cancelled during the 100% refund period.

- Tuition and fees are nonrefundable after the 100% refund period.
- All refunds are less any amounts owed to the university and are subject to payment holding periods.
- Withdrawal or cancellation occurs on the calendar day that withdrawal is requested either online or in person at a Registrar site.

### Fall and spring semester classes

- The 100% refund period extends through the first two weeks of the semester for regular semester classes (Session C) and sessions eight weeks or longer.
- The 100% refund period is one week for sessions shorter than eight weeks (Sessions A & B) and for dynamically dated classes.
- For classes that begin prior to the first day of the regular semester, the applicable 100% refund period begins on the class start date not the semester start date.

### Summer session classes

- The 100% refund period is the first five days of the applicable summer session. This includes Sessions A, B, C and dynamically dated classes.
- For classes that begin prior to the first day of the regular semester, the applicable 100% refund period begins on the class start date not the semester start date.

Students are required to pay tuition and fees owed for enrollment cancellations that occur after the refund period.

### Medical or compassionate withdrawals

The tuition refund policy does not apply to medical or compassionate withdrawals. In some cases, partial tuition adjustments or non-refundable credits may be granted through the medical and compassionate withdrawal process, however, this will depend on each individual student's circumstances and is only an option if approved within two years of the end of the semester.

For specific semester or session deadlines, please refer to Tuition Dates and Deadlines [1].

**Source URL:** <https://students.asu.edu/tuition-refund-policy>

**Links:**

[1] <https://students.asu.edu/tuitiondeadlines>

## Undergraduate excess hours tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold are required to pay an excess hours tuition surcharge. Students who have more than 145 credit hours will be assessed the Undergraduate Excess Hours Tuition Surcharge.

The Undergraduate Excess Hours Tuition Surcharge is billed in addition to tuition, program tuition, mandatory fees and class fees.

### Exemptions

The excess hours tuition surcharge must be assessed in accordance with Arizona State Statutes and is not subject to appeal. The Arizona Legislature, however, provided for certain exemptions to the credit hour threshold and surcharge:

1. Undergraduate degree programs that require credit hours above the credit hour threshold.
2. Credits earned in pursuit of up to two baccalaureate degrees: The excess hours tuition surcharge is not assessed if (a) student has previously earned a baccalaureate degree and is currently admitted to one undergraduate degree program or (b) has not previously earned a baccalaureate degree and is admitted to two or more undergraduate degree programs simultaneously. This exemption does not apply to students who have previously earned two or more baccalaureate degrees or students who have earned one baccalaureate degree and are currently admitted to two or more undergraduate degree programs.
3. Credits earned in the pursuit of up to two state regulated licenses or certificates: The student is not required to be enrolled in both programs simultaneously. Examples include accounting, nursing, social work, and certain engineering degrees.
4. Credits earned in the pursuit of a teaching certification.
5. Credits transferred from a private institution of higher learning.
6. Credits transferred from an institution of higher education in another state.
7. Credits earned at another institution of higher education but that are not accepted as transfer credits at ASU.
8. Credits earned by students who enroll at a university under the jurisdiction of the board more than twenty-four months after the end of that student's previous enrollment at a public institution of higher education in this state.

### Tuition waivers and scholarships

Employee waivers and tuition scholarships do not apply to the Undergraduate Excess Hours Tuition Surcharge.

### Academic year 2021–2022 rates

For resident students the surcharge is \$153 per credit hour up to a maximum of \$1,071 for enrollment in 7 or more hours. For nonresident students the surcharge is \$240 per credit hour up to a maximum of \$2,880 for enrollment in 12 or more credit hours. For online students, the excess hours tuition rate is \$108 per credit hour up to a maximum of \$1,296 for enrollment in 12 or more credit hours.

**Source URL:** <https://students.asu.edu/tuition-surcharge>

## Polytechnic & West campus tuition discounts

Undergraduate freshmen and sophomores in the New College of Interdisciplinary Arts and Sciences [1] and The Polytechnic School [2] are eligible to receive a 10% reduction in base tuition. To receive this discount, students must meet the following requirements:

- Admitted in fall 2011 or later
- Freshman or sophomore academic standing
- Admitted to a program in the New College of Interdisciplinary Arts and Science or the Polytechnic School
- If admitted to the Polytechnic School, all classes must be taken at the Polytechnic campus
- If admitted to the New College of Interdisciplinary Arts and Sciences, all classes must be taken at the West campus

Enrollment in iCourses does not affect eligibility for the discount. This discount will not be extended to students already receiving the Western Undergraduate Education (WUE) discount.

For additional information about tuition rates, please see the tuition schedules [3] or you may use the tuition estimator [4] to estimate your full tuition costs.

**Source URL:** <https://students.asu.edu/tuition-poly-west>

### Links:

[1] <http://newcollege.asu.edu/>

[2] <http://poly.engineering.asu.edu/>

[3] <https://catalog.asu.edu/tuitionandfees/>

[4] <https://students.asu.edu/costs>

## Tuition and billing payment options

Financial aid is posted to your student account and used to pay tuition and other student account charges. If there is a remaining balance, a refund will be issued.

- For students who have accepted financial aid and it is sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no action is necessary.
- For students with accepted financial aid that is insufficient to cover tuition charges, the payment deadline is extended.

For tuition due dates, visit Tuition Dates and Deadlines [1].

If financial aid is not awarded and accepted by the tuition due date, tuition charges must be paid to avoid automatic enrollment in the ASU Payment Plan [2] and assessment of the non-refundable tuition installment plan fee of \$100 for resident students and \$200 for nonresident students.

Class enrollment completes the registration process. If you decide not to attend classes, you must officially withdraw from the University. Classes will be held even if aid becomes unavailable or is inadequate to pay all tuition and fees. Registration will not be automatically cancelled during the tuition refund period.

## Refunds by direct deposit

Financial aid in excess of institutional charges is refunded to the student. Direct deposit to your bank account is available and is the most convenient way to receive student account refunds, including financial aid. To enroll in direct deposit:

1. Sign in to My ASU. [3]
2. Select the **Finances** tab at the top of the page.
3. Then select **Direct Deposit** link in the **Financing Tasks** box on the right side of the page.

View the Direct deposit FAQs [4] to learn about enrollment online and direct deposit in general. If you choose to enroll in direct deposit in person, please fill out the Direct Deposit Authorization [5] form and bring it to the Student Accounts office. For students not enrolled in student account direct deposit, refunds are made by check and mailed to the student's address. Direct deposit enrollment verification takes two weeks. If a refund becomes available before your direct deposit enrollment has been verified, a paper check will be issued and sent to your mailing address on file.

## Taxability of scholarships and fellowships

Scholarships, grants, fellowships and stipends (but not loan funds) are taxable income to the recipient, except for the portion of these funds used for tuition, registration, other University fees, and books, supplies and equipment required for the courses being taken. Special tax regulations also apply to non-resident alien students and may require withholding of taxes at the time of aid disbursement to these individuals. Information on the taxability of scholarships can be obtained from the following IRS publications and forms: Publication 970, Tax Benefits for Education, Pub 519 - U.S. Tax Guide for Aliens, Form 1040EZ and instructions - Income Tax Return for Single and Joint Filers with no dependents, Form 1040 NR and Instructions - U.S. Nonresident Alien Income Tax Return. These publications and forms can be obtained from the Internal Revenue Service at their toll free number 1-800-829-FORM. These publications and forms can also be viewed at [www.irs.gov](http://www.irs.gov) [6].

## Paying for past due charges with future semesters financial aid

Federal financial aid will not pay prior year past due charges. To view your account charges and make a payment online:

1. Sign in to My ASU [3].
2. Select the **Finances** tab at the top of the page.

Additional payment options [7] are available. Please contact the Collections Office at 480-965-5220 with questions about unpaid balances.

## Financial assistance withdrawal policy

Individual circumstances may require complete withdrawal [8] from the university. The outcome of complete withdrawal on your financial aid depends on when the complete withdrawal is initiated and the types of financial aid you received. In all cases, your financial aid must be recalculated.

## Official complete withdrawal

Federal regulations require the recalculation of Title IV financial aid in cases where a student received financial aid and officially withdrew on or before the point at which 60% of the semester has lapsed. If a return of aid is required, ASU returns the unearned portion of Title IV financial aid funds to federal programs on behalf of the student. **Any return of financial aid funds made by the university will be charged to the student's university account.** Payment to the university will be due on demand. Federal financial aid Title IV funds include:

- the Federal Pell Grant
- the Federal Supplemental Educational Opportunity Grant (FSEOG)

- the Federal Perkins loan
- the Leveraging Educational Assistance Partnership (LEAP)
- the Academic Competitiveness Grant (ACG)
- the Science and Mathematics Access to Retain Talent Grant (SMART)
- the Federal Direct Subsidized and Unsubsidized Student Loans and the Federal PLUS Loan

Students who withdraw prior to the first day of the semester and who have received a financial aid disbursement are not entitled to keep those funds. The student's university account will be charged. One hundred percent of the funds disbursed must be returned to ASU.

For additional information, please visit <https://students.asu.edu/policies/fa-withdrawal> [9].

**Source URL:** <https://students.asu.edu/financial-aid-payment>

**Links:**

- [1] <https://students.asu.edu/tuitiondeadlines>
- [2] <https://students.asu.edu/paymentplan>
- [3] <http://my.asu.edu>
- [4] <https://students.asu.edu/faq/233>
- [5] [https://students.asu.edu/sites/default/files/ddappl\\_2016\\_.pdf](https://students.asu.edu/sites/default/files/ddappl_2016_.pdf)
- [6] <http://www.irs.gov/>
- [7] <https://students.asu.edu/paymentoptions>
- [8] <https://students.asu.edu/drop-add>
- [9] <https://students.asu.edu/policies/fa-withdrawal>

## Qualified tuition reduction

The Qualified Tuition Reduction Program permits eligible employees to take advantage of educational opportunities at the University. Please review SPP 505 [1], Employee-Reduced In-State Tuition, for additional information regarding eligibility and benefits.

### Eligibility

Reduced in-state tuition is available to faculty and staff who are employed at least 50% within the state university system, their spouses and dependent children. You must be employed on the first day of the session to be eligible for employee reduced in-state tuition. At ASU, the Qualified Tuition Reduction Form must be submitted on or before the first day of a session to qualify for reduced tuition.

Institutional merit-based aid provided by the University [2] will not exceed the value of stated resident tuition for each respective academic year when combined with the Qualified Tuition Reduction (QTR, a benefit for faculty and staff) or other tuition reduction programs (or waivers). Students offered multiple awards designated for base tuition, cannot receive more than 100% of base tuition. For questions regarding how your qualified tuition reduction benefit may impact your other financial aid awards, please contact Financial Aid [3].

## Qualified tuition reduction form

ASU employees must complete and submit the Qualified Tuition Reduction Form **each** semester to receive the reduced in-state tuition benefit for classes taken at ASU, University of Arizona and Northern Arizona University.

Effective for fall 2020, forms can be signed and submitted electronically utilizing DocuSign. Forms can be obtained online [4] and will be routed accordingly to Student Business Services for review and processing upon electronic signature by the employee. Please allow 3-5 business days before your qualified tuition reduction benefit will be reflected on your ASU student account. Forms should be submitted prior to the first day of classes and early to ensure timely processing.

The outstanding balance of the ASU tuition will remain on your student account and should be paid by the tuition payment deadline to avoid late fees. Contact the Student Accounts Office at 480-965-6341 for further information.

## NAU & U of A classes; ASU retirees

Please note there is a separate qualified tuition reduction form for classes at U of A or NAU and for ASU retirees taking classes at U of A, NAU or ASU. The qualified tuition reduction form for U of A/NAU/Retiree staff must be approved by staff in ASU Human Resources and then will be forwarded accordingly to the tuition payment office at the campus where classes are being taken.

## Affiliate organizations

Employees of ASU affiliate organizations are also eligible for the qualified tuition reduction benefit upon verification of their employment with the affiliate organization. A different form is necessary for employees of ASU affiliates. Upon submission of the form, ASU Student Business Services will verify employment with the applicable affiliate contact and, when confirmed, will apply the tuition reduction benefit. Due to the additional verification involved, please allow 7-10 business days for your benefit to be reflected on your ASU student account.

All forms are available on the CFO website [4] along with additional information about the qualified tuition reduction benefit. For questions or for employees preferring to manually sign their qualified tuition reduction form, please contact Student Business Services at [tuitionreduction@asu.edu](mailto:tuitionreduction@asu.edu) [5].

**Source URL:** <https://students.asu.edu/tuition-reduction>

### Links:

[1] <http://www.asu.edu/aad/manuals/spp/spp505.html>

[2] <https://students.asu.edu/scholarships/renewal>

[3] <https://students.asu.edu/contact/financialaid>

[4] <https://cfo.asu.edu/reduced-tuition>

[5] <mailto:tuitionreduction@asu.edu>

## Tuition receipt

For students requiring tuition receipts for insurance, reimbursement or other reasons, a tuition receipt is available through My ASU.

### How to view your tuition receipt

1. Login to My ASU [1].
2. Select the **Finances** link on the upper left side.
3. Select the **Tuition Receipt** link and indicate the appropriate term.

To print, click **Printer Friendly Page**.

**Source URL:** <https://students.asu.edu/tuition-receipt>

#### Links:

[1] <http://my.asu.edu>

## Form 1098-T tuition tax statement

Effective for calendar year 2018 and due to federally mandated tax reporting regulations, ASU will now be reporting amounts **paid** for qualified tuition and related expenses on the IRS 1098-T form. In prior years, ASU reported only **billed** amounts for these qualified tuition and related expenses on the IRS 1098-T form. You, or the person who may claim you as a dependent, may be able to take the tuition and fees deduction or claim an education credit on form 1040 or 1040A for the qualified tuition and related expenses that were actually paid during the calendar year. For example, a student who makes payment in 2018 for spring 2019 charges will only be eligible for an education credit for this payment in 2018. The IRS 1098-T form is an informational document and does not need to be attached to your tax return. There is no IRS or ASU requirement that you claim a tuition and fees deduction or an education credit. Please consult your tax advisor for further tax questions or advice.

### How to view your 1098-T

To view your 1098-T tuition statement:

1. Sign in to My ASU [1].
2. Select the **Finances** option at the top of the page.
3. Click on **More**.

### Additional resources

- Detailed Explanation [2] of the 1098-T tax form
- Supplemental Information [3] for the 1098-T tax form
- IRS Form 1098-T FAQs [4]

If you have questions regarding your 1098-T tax form, please email [taxcredits@asu.edu](mailto:taxcredits@asu.edu) [5] or call the 1098-T information line at 480-965-9834.

**Source URL:** <https://students.asu.edu/form-1098t>



**Links:**[1] <http://my.asu.edu>[2] <https://students.asu.edu/1098TExplanation>[3] <https://students.asu.edu/1098Tsupplemental>[4] <https://students.asu.edu/faq/228>[5] <mailto:taxcredits@asu.edu>

## ASU payment plan

The ASU Payment Plan provides students with the option to budget the payment of certain eligible university charges over several months within the semester. **Eligible charges include tuition, housing, meal plan, parking permits and health insurance.** The chart below outlines specific ASU Payment Plan due dates and enrollment fee amounts.

	<b>Resident &amp; NonResident ASU Payment Plan Due Dates</b>	<b>ASU Payment Plan Enrollment Fee</b>
Fall	August 25 September 25 October 25	\$100 Resident Students \$200 Nonresident Students
Spring	January 25 February 25 March 25	\$100 Resident Students \$200 Nonresident Students
Summer*	May 25 June 25 July 25	\$50 Resident Students \$100 Nonresident Students

\*The summer sessions enrollment fee is \$50 for resident students or \$100 for nonresident students for each summer session registered in up to a maximum of two sessions.

## My ASU enrollment

All students are eligible to enroll in the ASU Payment Plan by logging in to My ASU and selecting Finances at the top of the page and clicking on ASU Payment Plan in the Financial Success section on the right side.

The screenshot shows the My ASU website interface. At the top, there is a navigation bar with the ASU logo and links for ASU Home, My ASU, Colleges and Schools, Map and Locations, Directory, and SIGN OUT. Below this is a search bar. The main navigation bar includes links for Finances, Campus Services, Profile, and Help. A notification banner at the top states: "ASU's campus classes will remain online for summer sessions A, B, and C. Learn more and connect now. Listen to an update from President Crow about this transition." The main content area is divided into several sections: Account Charges (Current Amount Due: \$0.00, Future Charges: \$0.00), Financial Aid and Scholarships (2019-2020, 2020-2021), Financing Tasks (No tasks at this time), and Financial Success. The Financial Success section includes links for Search/apply for scholarships, Search/apply for student jobs, Cost calculator and estimator, Add a Guest to Make a Payment, and IGrad - Financial Wellness. A prominent red banner in the Financial Success section reads "Calculate your costs, try the budget worksheet". A tooltip for the ASU Payment Plan link states: "For a minimal fee, the ASU Payment Plan provides students with the option to budget payment of tuition, housing, meal plan, parking permit and health insurance over several months. Peruse the details. Enroll or review your enrollment status."

## Automatic enrollment

Students with an outstanding balance of \$500 or more of unpaid eligible charges by the designated payment deadline will be automatically enrolled in the ASU Payment Plan. Students automatically enrolled will be responsible for the ASU Payment Plan fee billed to their student account. ASU does not withdraw students from classes during the current semester for nonpayment and students must withdraw before the semester or session starts if they decide to not attend. For further questions regarding automatic enrollment in the ASU Payment Plan or for assistance enrolling, you may contact us [1] or visit the Student Accounts Office located in the Student Services building.

## Financial aid (scholarships, grants, loans)

Students with financial aid are encouraged to carefully review their financial aid award amounts prior to enrolling in the ASU Payment Plan. Enrollment in the Payment Plan may not be necessary if the financial aid award package is sufficient to cover all eligible charges. However, if the amount a student is awarded in financial aid does not cover all eligible charges and an unpaid balance remains by the designated deadline, the student will automatically be enrolled in the ASU Payment Plan.

## Frequently asked questions

### What is the designated payment deadline to avoid enrollment in the ASU Payment Plan?

The designated payment deadline is the deadline initially provided when charges are placed on a student's account. Students are encouraged to review the details of their student account, including the designated payment deadline for eligible charges, by logging into My ASU and selecting Finances at the top of the page. Students can also review the Tuition and Billing Calendar [2] for important due dates.

### Must I re-enroll in the ASU Payment Plan each semester?

Yes. Because ASU realizes student's financial circumstances may vary from semester to semester, students have the option to enroll each semester.

**Are the ASU Payment Plan due dates and enrollment fees different for B Session because classes start later in the semester?**

No. Students enrolled in session B prior to the start of the semester will have the same initial designated payment deadline for tuition charges as students enrolled in both sessions A and C. Students enrolled in session B who have an unpaid balance of \$500 by the designated payment deadline will be automatically enrolled in the ASU Payment Plan.

**Is there any benefit to voluntarily enrolling in the ASU Payment Plan vs. being automatically enrolled?**

No. Students are assessed the same enrollment fee if they are voluntarily or automatically enrolled in the ASU Payment Plan. Student Business Services suggests students closely review their financial aid package before voluntarily enrolling to ensure ASU Payment Plan arrangements are necessary.

**If a student enrolls in the ASU Payment Plan before the semester begins and ends up not having a \$500 balance, is the student still enrolled in the plan?**

Yes. If a student voluntarily enrolls and eligible charges are paid prior to the initial designated payment deadline, the student will still be assessed the non-refundable enrollment plan fee.

**What happens if a student's outstanding eligible charges are under \$500?**

Students with a balance under \$500 will NOT be automatically enrolled in the ASU Payment Plan. However, these charges are subject to a late fee. Please review the ASU Late Charge Policy [3] for further clarification.

**Is the ASU Payment Plan enrollment fee refundable if additional financial aid becomes available after the designated payment deadline and pays the balance of all eligible charges?**

No. The ASU Payment Plan fee is non-refundable even if a student's financial circumstances change after enrollment into the plan. To avoid paying the ASU Payment Plan fee, we strongly recommend working with a financial aid counselor in advance to ensure all aid is reviewed and accepted prior to the designated payment deadline. For questions regarding financial aid awards, please contact 480-965-3355 or visit Financial Aid and Scholarship Services [4].

**Can students still purchase and pay for parking permits through MyParking Online Services?**

Yes. Students will still have the option of purchasing permits through MyParking Online Services [5]. However, beginning in Fall 2014 students will have the option of having their parking permit charges billed to their student account. By utilizing this option, students can use their financial aid awards to pay parking permit charges. Only parking permits can be billed to a student's account. Parking citations and other fees are not eligible.

**Source URL:** <https://students.asu.edu/payment-plan>

**Links:**

[1] <https://students.asu.edu/tuitionandbillingcontact>

[2] <https://students.asu.edu/tuitiondeadlines>

[3] <https://students.asu.edu/delinquentaccounts>

[4] <https://students.asu.edu/financialaid>

[5] <https://cfo.asu.edu/parking>

## Non-resident tuition rate for Arizona high school graduates

The Arizona Board of Regents' "Non-Resident Tuition Rate for Arizona High School Graduates" is a non-resident undergraduate tuition rate that is 150% of in-state tuition for Arizona high school graduates who don't otherwise qualify for in-state tuition.

### Arizona Board of Regents (ABOR) policy

- A. A student who graduated from an Arizona high school, but is not otherwise eligible for resident tuition status will be eligible for a non-resident undergraduate tuition rate of 150% of undergraduate resident tuition, if the student has attended high school in Arizona for a minimum of three years while physically present in Arizona and graduated from an Arizona high school (or attained the equivalent while physically present in Arizona for a minimum of three years).
- B. The non-resident rate for Arizona high school graduates would apply to tuition for undergraduate students. This rate does not apply to differential tuition, or tuition for on-line, accelerated or distributed programs.
- C. "High School" is defined as grades 9-12. Completion of the 9th grade while physically present in Arizona, whether at an Arizona middle school or high school or equivalent, will count toward the Arizona high school attendance requirement. The three years of Arizona high school attendance do not need to be consecutive.
- D. A student who meets the requirements of this policy will be eligible for the non-resident undergraduate rate regardless of when the student graduated from an Arizona high school.
- E. The policy is effective beginning with the fall 2015 semester.

### ASU procedure for applying

Submit final Arizona high school transcript showing at least 3 years of attendance **with graduation date** to Admission Services [1].

After you have submitted this information your record will automatically be reviewed to determine if you are eligible for the Non-Resident Tuition Rate for Arizona High School Graduates.

You will be notified by email if you qualify or if we need further documentation.

If you have not received confirmation that you are eligible for this tuition rate, or if you completed the equivalent of a high school degree while physically present in Arizona for a minimum of three years, please complete and submit the Non-Resident Tuition Rate for Arizona High School Graduates Application [2] with supporting documentation.

### Residency classification and financial aid

- Eligible students remain classified as non-residents. Visit Residency [3] for information about requesting reclassification.
- Changes to your tuition can affect financial aid awards. Contact Financial Aid [4] for questions about your aid.

**Source URL:** <https://students.asu.edu/non-resident-tuition>

#### Links:

[1] <https://students.asu.edu/admission-transcripts>

[2]

[https://students.asu.edu/sites/default/files/application\\_for\\_nr\\_tuition\\_rate\\_for\\_arizona\\_high\\_school\\_graduates\\_january\\_27\\_2021.pdf](https://students.asu.edu/sites/default/files/application_for_nr_tuition_rate_for_arizona_high_school_graduates_january_27_2021.pdf)

[3] <https://students.asu.edu/residency>

[4] <https://students.asu.edu/financialaid>

## Tuition and fee schedules

All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2021-2022. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

### Per semester tuition and fees - Fall 2021

#### General tuition and fees

[Archivist's note: dropdown tool not able to be archived; see individual items below]

#### Program specific tuition and fees

Certain Graduate and Undergraduate programs charge program specific tuition. Use the ASU Tuition and Cost of Attendance Estimator [1] to review program specific tuition and fees.

**Source URL:** [https://catalog.asu.edu/tuitionandfees/fees\\_fall2021](https://catalog.asu.edu/tuitionandfees/fees_fall2021)

#### Links:

[1] <https://students.asu.edu/tuition>

## General tuition & fees

### Resident undergraduate degree program and nondegree-seeking All campuses

<b>UNDERGRADUATE COLLEGE FEE 1</b> <sup>(1, 2, 3)</sup>							
Includes: Education, New College humanities and social sciences, CISA humanities and social sciences							
	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$765	\$1,530	\$2,295	\$3,060	\$3,825	\$4,590	\$5,355
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319
<b>Total Resident Undergraduate Tuition and Fees</b>	\$924	\$1,689	\$2,454	\$3,219	\$3,984	\$4,749	\$5,674

<b>UNDERGRADUATE COLLEGE FEE 2</b> <sup>(1, 2, 3)</sup>							
Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Global Futures and University College							
	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$765	\$1,530	\$2,295	\$3,060	\$3,825	\$4,590	\$5,355
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319
<b>Total Resident Undergraduate Tuition and Fees</b>	\$939	\$1,719	\$2,499	\$3,279	\$4,059	\$4,839	\$5,779

<b>UNDERGRADUATE COLLEGE FEE 3</b> <sup>(1, 2, 3)</sup>							
<b>Includes: Health Solutions, and Nursing and Health Innovation</b> <sup>(5)</sup>							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$765	\$1,530	\$2,295	\$3,060	\$3,825	\$4,590	\$5,355
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319
<b>Total Resident Undergraduate Tuition and Fees</b>	\$979	\$1,799	\$2,619	\$3,439	\$4,259	\$5,079	\$6,059

<b>UNDERGRADUATE COLLEGE FEE 4</b> <sup>(1, 2, 3)</sup>							
<b>Includes: Journalism, Engineering</b> <sup>(5)</sup> , <b>The College sciences, Design and the Arts, Thunderbird and Business</b>							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$765	\$1,530	\$2,295	\$3,060	\$3,825	\$4,590	\$5,355
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319
<b>Total Resident Undergraduate Tuition and Fees</b>	\$999	\$1,839	\$2,679	\$3,519	\$4,359	\$5,199	\$6,199

<sup>(1)</sup> Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is \$153 per credit hour up to a maximum of \$1,071 for enrollment in 7 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

<sup>(2)</sup> Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

<sup>(3)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2020-2021 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

<sup>(4)</sup> ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

<sup>(5)</sup> The Edson College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21undergraddegreeprogallcampusresident>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### Non-resident undergraduate degree program and nondegree-seeking All campuses

<b>UNDERGRADUATE COLLEGE FEE 1 <sup>(1, 2, 3)</sup></b> Includes: Education, New College humanities and social sciences, CISA humanities and social sciences												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,200	\$2,400	\$3,600	\$4,800	\$6,000	\$7,200	\$8,400	\$9,600	\$10,800	\$12,000	\$13,200	\$14,400
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(4)</sup></b>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,359	\$2,559	\$3,759	\$4,959	\$6,159	\$7,359	\$8,719	\$9,919	\$11,119	\$12,319	\$13,519	\$14,719



**UNDERGRADUATE COLLEGE FEE 2** <sup>(1, 2, 3)</sup>

**Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Global Futures and University College**

	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,200	\$2,400	\$3,600	\$4,800	\$6,000	\$7,200	\$8,400	\$9,600	\$10,800	\$12,000	\$13,200	\$14,400
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,374	\$2,589	\$3,804	\$5,019	\$6,234	\$7,449	\$8,824	\$10,039	\$11,254	\$12,469	\$13,684	\$14,899

**UNDERGRADUATE COLLEGE FEE 3** <sup>(1, 2, 3)</sup>

**Includes: Health Solutions, and Nursing and Health Innovation** <sup>(5)</sup>

	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,200	\$2,400	\$3,600	\$4,800	\$6,000	\$7,200	\$8,400	\$9,600	\$10,800	\$12,000	\$13,200	\$14,400
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,414	\$2,669	\$3,924	\$5,179	\$6,434	\$7,689	\$9,104	\$10,359	\$11,614	\$12,869	\$14,124	\$15,379

<b>UNDERGRADUATE COLLEGE FEE 4</b> <sup>(1, 2, 3)</sup>												
<b>Includes: Journalism, Engineering</b> <sup>(5)</sup> , <b>The College Sciences, Design and the Arts, Thunderbird and Business</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,200	\$2,400	\$3,600	\$4,800	\$6,000	\$7,200	\$8,400	\$9,600	\$10,800	\$12,000	\$13,200	\$14,400
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,431	\$2,706	\$3,981	\$5,256	\$6,531	\$7,806	\$9,239	\$10,514	\$11,789	\$13,064	\$14,339	\$15,614

<sup>(1)</sup> Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is \$240 per credit hour up to a maximum of \$2,880 for enrollment in 12 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

<sup>(2)</sup> Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

<sup>(3)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2021-2022 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

<sup>(4)</sup> ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

<sup>(5)</sup> The Edson College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21undergraddegreeprogallcampusnonresident>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### International undergraduate degree program and nondegree-seeking All campuses

<b>UNDERGRADUATE COLLEGE FEE 1</b> <sup>(1, 2, 3)</sup> Includes: Education, New College humanities and social sciences, CISA humanities and social sciences												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,300	\$2,600	\$3,900	\$5,200	\$6,500	\$7,800	\$9,100	\$10,400	\$11,700	\$13,000	\$14,300	\$15,600
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total International Undergraduate Tuition and Fees</b>	\$1,459	\$2,759	\$4,059	\$5,359	\$6,659	\$7,959	\$9,419	\$10,719	\$12,019	\$13,319	\$14,619	\$15,919

<b>UNDERGRADUATE COLLEGE FEE 2</b> <sup>(1, 2, 3)</sup> Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Global Futures and University College												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,300	\$2,600	\$3,900	\$5,200	\$6,500	\$7,800	\$9,100	\$10,400	\$11,700	\$13,000	\$14,300	\$15,600
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total International Undergraduate Tuition and Fees</b>	\$1,474	\$2,789	\$4,104	\$5,419	\$6,734	\$8,049	\$9,524	\$10,839	\$12,154	\$13,469	\$14,784	\$16,099

<b>UNDERGRADUATE COLLEGE FEE 3</b> <sup>(1, 2, 3)</sup> Includes: Health Solutions, and Nursing and Health Innovation <sup>(5)</sup>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,300	\$2,600	\$3,900	\$5,200	\$6,500	\$7,800	\$9,100	\$10,400	\$11,700	\$13,000	\$14,300	\$15,600
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total International Undergraduate Tuition and Fees</b>	\$1,514	\$2,869	\$4,224	\$5,579	\$6,934	\$8,289	\$9,804	\$11,159	\$12,514	\$13,869	\$15,224	\$16,579

<b>UNDERGRADUATE COLLEGE FEE 4</b> <sup>(1, 2, 3)</sup> Includes: Journalism, Engineering <sup>(5)</sup> , The College sciences, Design and the Arts, Thunderbird and Business												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,300	\$2,600	\$3,900	\$5,200	\$6,500	\$7,800	\$9,100	\$10,400	\$11,700	\$13,000	\$14,300	\$15,600
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total International Undergraduate Tuition and Fees</b>	\$1,534	\$2,909	\$4,284	\$5,659	\$7,034	\$8,409	\$9,944	\$11,319	\$12,694	\$14,069	\$15,444	\$16,819

<sup>(1)</sup> Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is \$240 per credit hour up to a maximum of \$2,880 for enrollment in 12 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

<sup>(2)</sup> Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently proposed for the 2021-2022 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(5) The Edson College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering professional flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21international>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### Resident undergraduate online degree program \*Online campus

<b>UNDERGRADUATE COLLEGE FEE 1</b> <sup>(1, 2, 3, 4)</sup> Includes: Nursing BSN <sup>(5)</sup> and non-degree programs																		
	<b>ENROLLED HOURS</b>																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Resident Online Undergraduate Tuition</b>	\$541	\$1,082	\$1,623	\$2,164	\$2,705	\$3,246	\$3,787	\$4,328	\$4,869	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355
<b>Undergraduate College Fee 1</b>	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360
<b>Student-initiated Fee</b> <sup>(6)</sup>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Resident Online Undergraduate Tuition and Fees</b>	\$588	\$1,149	\$1,710	\$2,271	\$2,832	\$3,393	\$3,981	\$4,542	\$5,103	\$5,609	\$5,629	\$5,649	\$5,669	\$5,689	\$5,709	\$5,729	\$5,749	\$5,769

**UNDERGRADUATE COLLEGE FEE 2** (1, 2, 3, 4)

**Includes: CISA humanities and social sciences, The College humanities and social sciences, Design and the Arts, and New College humanities and social sciences**

	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Resident Online Undergraduate Tuition</b>	\$541	\$1,082	\$1,623	\$2,164	\$2,705	\$3,246	\$3,787	\$4,328	\$4,869	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355
<b>Undergraduate College Fee 2</b>	40	80	120	160	200	240	280	320	360	400	440	480	520	560	600	640	680	720
<b>Student-initiated Fee <sup>(6)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Resident Online Undergraduate Tuition and Fees</b>	\$608	\$1,189	\$1,770	\$2,351	\$2,932	\$3,513	\$4,121	\$4,702	\$5,283	\$5,809	\$5,849	\$5,889	\$5,929	\$5,969	\$6,009	\$6,049	\$6,089	\$6,129

**UNDERGRADUATE COLLEGE FEE 3** (1, 2, 3, 4)

**Includes: CISA sciences, The College sciences, New College sciences, Education, Nursing and Health Innovation, Public Service and Community Solutions, and Global Futures**

	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Resident Online Undergraduate Tuition</b>	\$541	\$1,082	\$1,623	\$2,164	\$2,705	\$3,246	\$3,787	\$4,328	\$4,869	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355
<b>Undergraduate College Fee 3</b>	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1,020	1,080
<b>Student-initiated Fee <sup>(6)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Resident Online Undergraduate Tuition and Fees</b>	\$628	\$1,229	\$1,830	\$2,431	\$3,032	\$3,633	\$4,261	\$4,862	\$5,463	\$6,009	\$6,069	\$6,129	\$6,189	\$6,249	\$6,309	\$6,369	\$6,429	\$6,489

<b>UNDERGRADUATE COLLEGE FEE 4</b> (1, 2, 3, 4) Includes: Health Solutions, Journalism, Engineering, Thunderbird and Business																		
	<b>ENROLLED HOURS</b>																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Resident Online Undergraduate Tuition</b>	\$541	\$1,082	\$1,623	\$2,164	\$2,705	\$3,246	\$3,787	\$4,328	\$4,869	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355	\$5,355
<b>Undergraduate College Fee 4</b>	120	240	360	480	600	720	840	960	1,080	1,200	1,320	1,440	1,560	1,680	1,800	1,920	2,040	2,160
<b>Student-initiated Fee</b> <sup>(6)</sup>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Resident Online Undergraduate Tuition and Fees</b>	\$688	\$1,349	\$2,010	\$2,671	\$3,332	\$3,993	\$4,681	\$5,342	\$6,003	\$6,609	\$6,729	\$6,849	\$6,969	\$7,089	\$7,209	\$7,329	\$7,449	\$7,569

(1) Effective fall 2018, online tuition for resident students will be capped at 10 credit hours.

(2) Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For online students, the excess hours tuition is \$108 per credit hour up to a maximum of \$1,296 for enrollment in 12 or more hours. Students should see Undergraduate Excess Hours [1] for additional information.

(4) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2021-2022 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(5) The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

(6) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/Fall21UndergradOnlineResident>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### Non-resident undergraduate online degree program \*Online campus

<b>UNDERGRADUATE COLLEGE FEE 1</b> <sup>(1, 2, 3, 4)</sup> Includes: Nursing BSN <sup>(5)</sup> and non-degree programs																		
	<b>ENROLLED HOURS</b>																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Non-Resident Online Undergraduate Tuition</b>	\$541	\$1,082	\$1,623	\$2,164	\$2,705	\$3,246	\$3,787	\$4,328	\$4,869	\$5,410	\$5,951	\$6,492	\$7,033	\$7,574	\$8,115	\$8,656	\$9,197	\$9,738
<b>Undergraduate College Fee 1</b>	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360
<b>Student-initiated Fee <sup>(6)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Non-Resident Online Undergraduate Tuition and Fees</b>	\$588	\$1,149	\$1,710	\$2,271	\$2,832	\$3,393	\$3,981	\$4,542	\$5,103	\$5,664	\$6,225	\$6,786	\$7,347	\$7,908	\$8,469	\$9,030	\$9,591	\$10,152

<b>UNDERGRADUATE COLLEGE FEE 2</b> <sup>(1, 2, 3, 4)</sup> Includes: CISA humanities and social sciences, The College humanities and social sciences, Design and the Arts, New College humanities and social sciences																		
	<b>ENROLLED HOURS</b>																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Non-Resident Online Undergraduate Tuition</b>	\$541	\$1,082	\$1,623	\$2,164	\$2,705	\$3,246	\$3,787	\$4,328	\$4,869	\$5,410	\$5,951	\$6,492	\$7,033	\$7,574	\$8,115	\$8,656	\$9,197	\$9,738
<b>Undergraduate College Fee 2</b>	40	80	120	160	200	240	280	320	360	400	440	480	520	560	600	640	680	720
<b>Student-initiated Fee <sup>(6)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Non-Resident Online Undergraduate Tuition and Fees</b>	\$608	\$1,189	\$1,770	\$2,351	\$2,932	\$3,513	\$4,121	\$4,702	\$5,283	\$5,864	\$6,445	\$7,026	\$7,607	\$8,188	\$8,769	\$9,350	\$9,931	\$10,512



<b>UNDERGRADUATE COLLEGE FEE 3</b> (1, 2, 3, 4)																		
<b>Includes: CISA sciences, The College sciences, New College sciences, Education, Nursing and Health Innovation, Public Service and Community Solutions, and Global Futures</b>																		
	<b>ENROLLED HOURS</b>																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Non-Resident Online Undergraduate Tuition</b>	\$541	\$1,082	\$1,623	\$2,164	\$2,705	\$3,246	\$3,787	\$4,328	\$4,869	\$5,410	\$5,951	\$6,492	\$7,033	\$7,574	\$8,115	\$8,656	\$9,197	\$9,738
<b>Undergraduate College Fee 3</b>	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1,020	1,080
<b>Student-initiated Fee</b> <sup>(6)</sup>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Non-Resident Online Undergraduate Tuition and Fees</b>	\$628	\$1,229	\$1,830	\$2,431	\$3,032	\$3,633	\$4,261	\$4,862	\$5,463	\$6,064	\$6,665	\$7,266	\$7,867	\$8,468	\$9,069	\$9,670	\$10,271	\$10,872

<b>UNDERGRADUATE COLLEGE FEE 4</b> (1, 2, 3, 4)																		
<b>Includes: Health Solutions, Journalism, Engineering, Thunderbird and Business</b>																		
	<b>ENROLLED HOURS</b>																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Non-Resident Online Undergraduate Tuition</b>	\$541	\$1,082	\$1,623	\$2,164	\$2,705	\$3,246	\$3,787	\$4,328	\$4,869	\$5,410	\$5,951	\$6,492	\$7,033	\$7,574	\$8,115	\$8,656	\$9,197	\$9,738
<b>Undergraduate College Fee 4</b>	120	240	360	480	600	720	840	960	1,080	1,200	1,320	1,440	1,560	1,680	1,800	1,920	2,040	2,160
<b>Student-initiated Fee</b> <sup>(6)</sup>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Non-Resident Online Undergraduate Tuition and Fees</b>	\$688	\$1,349	\$2,010	\$2,671	\$3,332	\$3,993	\$4,681	\$5,342	\$6,003	\$6,664	\$7,325	\$7,986	\$8,647	\$9,308	\$9,969	\$10,630	\$11,291	\$11,952

(1) Online tuition for non-resident students is billed per credit hour with no cap.

(2) Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For online students, the excess hours tuition is \$108 per credit hour up to a maximum of \$1,296 for enrollment in 12 or more hours. Students should see Undergraduate Excess hours [1] for additional information.

<sup>(4)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2021-2022 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

<sup>(5)</sup> The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

<sup>(6)</sup> ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees is used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/Fall21UndergradOnlineNonResident>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### Resident undergraduate degree program Rural community college-based programs\*

<b>UNDERGRADUATE COLLEGE FEE 1 <sup>(1, 2, 3)</sup></b>												
<b>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(4)</sup></b>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Resident Undergraduate Tuition and Fees</b>	\$440	\$722	\$1,004	\$1,286	\$1,568	\$1,850	\$2,176	\$2,458	\$2,740	\$3,022	\$3,302	\$3,302

<b>UNDERGRADUATE COLLEGE FEE 2</b> <sup>(1, 2, 3)</sup>												
<b>Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, and Global Futures</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee</b> <sup>(4)</sup>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Resident Undergraduate Tuition and Fees</b>	\$455	\$752	\$1,049	\$1,346	\$1,643	\$1,940	\$2,281	\$2,578	\$2,875	\$3,172	\$3,467	\$3,482

<b>UNDERGRADUATE COLLEGE FEE 3</b> <sup>(1, 2, 3)</sup>												
<b>Includes: Health Solutions, and Nursing and Health Innovation</b> <sup>(5)</sup>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee</b> <sup>(4)</sup>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Resident Undergraduate Tuition and Fees</b>	\$495	\$832	\$1,169	\$1,506	\$1,843	\$2,180	\$2,561	\$2,898	\$3,235	\$3,572	\$3,907	\$3,962

<b>UNDERGRADUATE COLLEGE FEE 4 (1, 2, 3)</b>												
<b>Includes: Journalism, Engineering, The College sciences, Design and the Arts, Thunderbird and Business</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee (4)</b>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Resident Undergraduate Tuition and Fees</b>	\$515	\$872	\$1,229	\$1,586	\$1,943	\$2,300	\$2,701	\$3,058	\$3,415	\$3,772	\$4,127	\$4,202

\* The Rural Community College-based Program rate pertains to community college locations based outside Maricopa and Pima counties.

(1) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is \$153 per credit hour up to a maximum of \$1,071 for enrollment in 7 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

(2) Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2021-2022. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student Initiated Fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(5) The Edson College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21undergradcommunitycollegebaseddegreepro>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

General tuition & fees

**Resident undergraduate degree program  
ASU @ Lake Havasu**

<b>UNDERGRADUATE COLLEGE FEE 1</b> <sup>(1, 2, 3)</sup> Includes: Education, New College humanities and social sciences, CISA humanities and social sciences												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee</b> <sup>(4)</sup>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Resident Undergraduate Tuition and Fees</b>	\$440	\$722	\$1,004	\$1,286	\$1,568	\$1,850	\$2,176	\$2,458	\$2,740	\$3,022	\$3,302	\$3,302

<b>UNDERGRADUATE COLLEGE FEE 2</b> <sup>(1, 2, 3)</sup> Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Global Futures and University College												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	105	105	105	105	105
<b>Student-initiated Fee</b> <sup>(4)</sup>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Resident Undergraduate Tuition and Fees</b>	\$455	\$752	\$1,049	\$1,346	\$1,643	\$1,940	\$2,281	\$2,562	\$2,845	\$3,127	\$3,407	\$3,407

<b>UNDERGRADUATE COLLEGE FEE 3</b> <sup>(1, 2, 3)</sup> Includes: Health Solutions, and Nursing and Health Innovation <sup>(5)</sup>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	385	385	385	385	385
<b>Student-initiated Fee</b> <sup>(4)</sup>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Resident Undergraduate Tuition and Fees</b>	\$495	\$832	\$1,169	\$1,506	\$1,843	\$2,180	\$2,561	\$2,843	\$3,125	\$3,407	\$3,687	\$3,687

<b>UNDERGRADUATE COLLEGE FEE 4</b> <sup>(1, 2, 3)</sup> Includes: Journalism, Engineering <sup>(5)</sup> , The College sciences, Design and the Arts, Thunderbird and Business												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Resident Undergraduate Tuition</b>	\$395	\$677	\$959	\$1,241	\$1,523	\$1,805	\$2,087	\$2,369	\$2,651	\$2,933	\$3,213	\$3,213
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	525	525	525	525	525
<b>Student-initiated Fee</b> <sup>(4)</sup>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Resident Undergraduate Tuition and Fees</b>	\$515	\$872	\$1,229	\$1,586	\$1,943	\$2,300	\$2,701	\$2,983	\$3,265	\$3,547	\$3,827	\$3,827

<sup>(1)</sup> Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is \$153 per credit hour up to a maximum of \$1,071 for enrollment in 7 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

<sup>(2)</sup> Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

<sup>(3)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2021-2022. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

<sup>(4)</sup> ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

<sup>(5)</sup> The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21undergradLHCdegreeproresident>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### Non-resident undergraduate degree program ASU @ Lake Havasu

<b>UNDERGRADUATE COLLEGE FEE 1 <sup>(1, 2, 3)</sup></b>												
<b>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$591	\$1,011	\$1,431	\$1,851	\$2,271	\$2,691	\$3,111	\$3,531	\$3,951	\$4,371	\$4,791	\$5,184
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee <sup>(4)</sup></b>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$636	\$1,056	\$1,476	\$1,896	\$2,316	\$2,736	\$3,200	\$3,620	\$4,040	\$4,460	\$4,880	\$5,273

<b>UNDERGRADUATE COLLEGE FEE 2</b> <sup>(1, 2, 3)</sup>												
<b>Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Global Futures and University College</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$591	\$1,011	\$1,431	\$1,851	\$2,271	\$2,691	\$3,111	\$3,531	\$3,951	\$4,371	\$4,791	\$5,184
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee</b> <sup>(4)</sup>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$651	\$1,086	\$1,521	\$1,956	\$2,391	\$2,826	\$3,305	\$3,740	\$4,175	\$4,610	\$5,045	\$5,453

<b>UNDERGRADUATE COLLEGE FEE 3</b> <sup>(1, 2, 3)</sup>												
<b>Includes: Health Solutions, and Nursing and Health Innovation</b> <sup>(5)</sup>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$591	\$1,011	\$1,431	\$1,851	\$2,271	\$2,691	\$3,111	\$3,531	\$3,951	\$4,371	\$4,791	\$5,184
<b>Undergraduate College Fee 3</b>	55	110	165	220	275	330	385	440	495	550	605	660
<b>Student-initiated Fee</b> <sup>(4)</sup>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$691	\$1,166	\$1,641	\$2,116	\$2,591	\$3,066	\$3,585	\$4,060	\$4,535	\$5,010	\$5,485	\$5,933



<b>UNDERGRADUATE COLLEGE FEE 4</b> <sup>(1, 2, 3)</sup>												
<b>Includes: Journalism, Engineering</b> <sup>(5)</sup> , <b>The College sciences, Design and the Arts, Thunderbird and Business</b>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$591	\$1,011	\$1,431	\$1,851	\$2,271	\$2,691	\$3,111	\$3,531	\$3,951	\$4,371	\$4,791	\$5,184
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee</b> <sup>(4)</sup>	45	45	45	45	45	45	89	89	89	89	89	89
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$711	\$1,206	\$1,701	\$2,196	\$2,691	\$3,186	\$3,725	\$4,220	\$4,715	\$5,210	\$5,705	\$6,173

<sup>(1)</sup> Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is \$240 per credit hour up to a maximum of \$2,880 for enrollment in 12 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

<sup>(2)</sup> Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

<sup>(3)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2021-2022. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

<sup>(4)</sup> ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

<sup>(5)</sup> The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21undergradLHCdegreeprononresident>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

General tuition & fees

**Undergraduate degree program**  
**The Polytechnic School, freshmen and sophomores\***

<b>UNDERGRADUATE COLLEGE FEE 4</b> <sup>(1, 2, 3)</sup> <b>Includes: Engineering</b> <sup>(4)</sup>							
RESIDENT	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525
<b>Student-initiated Fee</b> <sup>(5)</sup>	159	159	159	159	159	159	319
<b>Total Resident Undergraduate Tuition and Fees</b>	\$923	\$1,687	\$2,451	\$3,215	\$3,979	\$4,743	\$5,664

<b>UNDERGRADUATE COLLEGE FEE 4</b> <sup>(1, 2, 3)</sup> <b>Includes: Engineering</b> <sup>(4)</sup>												
NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee</b> <sup>(5)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,314	\$2,469	\$3,624	\$4,779	\$5,934	\$7,089	\$8,404	\$9,559	\$10,714	\$11,869	\$13,024	\$14,179

<b>UNDERGRADUATE COLLEGE FEE 4</b> <sup>(1, 2, 3)</sup> Includes: Engineering <sup>(4)</sup>												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040
<b>Undergraduate College Fee 4</b>	75	150	225	300	375	450	525	600	675	750	825	900
<b>Student-initiated Fee</b> <sup>(5)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total International Undergraduate Tuition and Fees</b>	\$1,404	\$2,649	\$3,894	\$5,139	\$6,384	\$7,629	\$9,034	\$10,279	\$11,524	\$12,769	\$14,014	\$15,259

\*Undergraduate Freshmen and Sophomores in the Polytechnic School are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.

<sup>(1)</sup> Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is \$153 per credit hour up to a maximum of \$1,071 for enrollment in 7 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

<sup>(2)</sup> Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

<sup>(3)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2021-2022 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

<sup>(4)</sup> The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

<sup>(5)</sup> ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21undergradpolyugtsfreshsoph>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### Resident undergraduate degree program New College of Interdisciplinary Arts and Sciences freshman & sophomores\*

<b>UNDERGRADUATE COLLEGE FEE 1</b> <sup>(1, 2, 3)</sup> Includes: New College humanities and social sciences							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319
<b>Total Resident Undergraduate Tuition and Fees</b>	\$848	\$1,537	\$2,226	\$2,915	\$3,604	\$4,293	\$5,139

<b>UNDERGRADUATE COLLEGE FEE 2</b> <sup>(1, 2, 3)</sup> Includes: New College sciences							
	<b>ENROLLED HOURS</b>						
	1	2	3	4	5	6	7 & Over
<b>Resident Undergraduate Tuition</b>	\$689	\$1,378	\$2,067	\$2,756	\$3,445	\$4,134	\$4,820
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319
<b>Total Resident Undergraduate Tuition and Fees</b>	\$863	\$1,567	\$2,271	\$2,975	\$3,679	\$4,383	\$5,244

\*Undergraduate Freshmen and Sophomores in the New College of Interdisciplinary Arts and Sciences are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.

(1) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is \$153 per credit hour up to a maximum of \$1,071 for enrollment in 7 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

(2) Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2021-2022 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(5) The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21undergradwestugasfrshsoph>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### Non-resident undergraduate degree program New College of Interdisciplinary Arts and Sciences - freshmen and sophomores\*

<b>UNDERGRADUATE COLLEGE FEE 1</b> <sup>(1, 2, 3)</sup> Includes: New College humanities and social sciences												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,239	\$2,319	\$3,399	\$4,479	\$5,559	\$6,639	\$7,879	\$8,959	\$10,039	\$11,119	\$12,199	\$13,279

<b>UNDERGRADUATE COLLEGE FEE 2</b> <sup>(1, 2, 3)</sup> Includes: New College sciences												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Non-Resident Undergraduate Tuition</b>	\$1,080	\$2,160	\$3,240	\$4,320	\$5,400	\$6,480	\$7,560	\$8,640	\$9,720	\$10,800	\$11,880	\$12,960
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total Non-Resident Undergraduate Tuition and Fees</b>	\$1,254	\$2,349	\$3,444	\$4,539	\$5,634	\$6,729	\$7,984	\$9,079	\$10,174	\$11,269	\$12,364	\$13,459

\*Undergraduate Freshmen and Sophomores in The New College of Interdisciplinary Arts and Sciences are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.

(1) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is \$240 per credit hour up to a maximum of \$2,880 for enrollment in 12 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

(2) Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2021-2022 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(5) The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21undergradwestugasfrshsophonres>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### International undergraduate degree program New College of Interdisciplinary Arts and Sciences - freshmen and sophomores\*

<b>UNDERGRADUATE COLLEGE FEE 1</b> <sup>(1, 2, 3)</sup> Includes: New College humanities and social sciences												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040
<b>Undergraduate College Fee 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total International Undergraduate Tuition and Fees</b>	\$1,329	\$2,499	\$3,669	\$4,839	\$6,009	\$7,179	\$8,509	\$9,679	\$10,849	\$12,019	\$13,189	\$14,359

<b>UNDERGRADUATE COLLEGE FEE 2</b> <sup>(1, 2, 3)</sup> Includes: New College sciences												
	<b>ENROLLED HOURS</b>											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>International Undergraduate Tuition</b>	\$1,170	\$2,340	\$3,510	\$4,680	\$5,850	\$7,020	\$8,190	\$9,360	\$10,530	\$11,700	\$12,870	\$14,040
<b>Undergraduate College Fee 2</b>	15	30	45	60	75	90	105	120	135	150	165	180
<b>Student-initiated Fee</b> <sup>(4)</sup>	159	159	159	159	159	159	319	319	319	319	319	319
<b>Total International Undergraduate Tuition and Fees</b>	\$1,344	\$2,529	\$3,714	\$4,899	\$6,084	\$7,269	\$8,614	\$9,799	\$10,984	\$12,169	\$13,354	\$14,539

\*Undergraduate Freshmen and Sophomores in the New College of Interdisciplinary Arts and Sciences are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.



(1) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is \$240 per credit hour up to a maximum of \$2,880 for enrollment in 12 or more credit hours. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [1] for additional information regarding the Undergraduate Excess Hours Tuition.

(2) Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2021-2022 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(5) The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering professional flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21undergradwestugasfrshsophintl>

**Links:**

[1] <https://students.asu.edu/tuition-surcharge>

## General tuition & fees

### Graduate degree program All residencies

RESIDENT <sup>(1)</sup>							
	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
<b>Graduate Resident Tuition</b>	\$837	\$1,674	\$2,511	\$3,348	\$4,185	\$5,022	\$5,860
<b>Student-Initiated Fee <sup>(2)</sup></b>	176	176	176	176	176	176	319
<b>Graduate Student Support Fee <sup>(3)</sup></b>	63	63	63	63	63	63	125
<b>Total Resident Graduate Tuition and Fees <sup>(4)</sup></b>	\$1,076	\$1,913	\$2,750	\$3,587	\$4,424	\$5,261	\$6,304

NON-RESIDENT <sup>(1)</sup>												
	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Graduate Non-Resident Tuition</b>	\$1,308	\$2,616	\$3,924	\$5,232	\$6,540	\$7,848	\$9,156	\$10,464	\$11,772	\$13,080	\$14,388	\$15,700
<b>Student-Initiated Fee <sup>(2)</sup></b>	176	176	176	176	176	176	319	319	319	319	319	319
<b>Graduate Student Support Fee <sup>(3)</sup></b>	63	63	63	63	63	63	125	125	125	125	125	125
<b>Total Non-Resident Graduate Tuition and Fees <sup>(4)</sup></b>	\$1,547	\$2,855	\$4,163	\$5,471	\$6,779	\$8,087	\$9,600	\$10,908	\$12,216	\$13,524	\$14,832	\$16,144

INTERNATIONAL <sup>(1)</sup>												
	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
<b>Graduate International Tuition</b>	\$1,400	\$2,800	\$4,200	\$5,600	\$7,000	\$8,400	\$9,800	\$11,200	\$12,600	\$14,000	\$15,400	\$16,800
<b>Student-Initiated Fee <sup>(2)</sup></b>	176	176	176	176	176	176	319	319	319	319	319	319
<b>Graduate Student Support Fee <sup>(3)</sup></b>	63	63	63	63	63	63	125	125	125	125	125	125
<b>Total International Graduate Tuition and Fees <sup>(4)</sup></b>	\$1,639	\$3,039	\$4,439	\$5,839	\$7,239	\$8,639	\$10,244	\$11,644	\$13,044	\$14,444	\$15,844	\$17,244

<sup>(1)</sup> All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2021-2022 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

<sup>(2)</sup> ASU's government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(3) The Graduate Student Support fee helps fund resources and services that support graduate students, including technology resources and services, instructional and laboratory expenses in departments and schools, and graduate student services. Students enrolled in one continuing registration course credit will be charged a reduced rate of \$50.00.

(4) Certain graduate programs are assessed differential tuition or program fees, depending on the college or program. Use the Tuition and Cost of Attendance Estimator [1] to review program specific tuition and fees.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/fall21graduate>

**Links:**

[1] <https://students.asu.edu/tuition>

## General tuition & fees

### Graduate degree program Online\* campus

RESIDENT	ENROLLED HOURS																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
<b>Resident Graduate Online Tuition</b>	\$543	\$1,086	\$1,629	\$2,172	\$2,715	\$3,258	\$3,801	\$4,344	\$4,887	\$5,430	\$5,860	\$5,860	\$5,860	\$5,860	\$5,860	\$5,860	\$5,860	\$5,860	\$5,860
<b>Technology Fee</b>	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>Financial Aid Trust <sup>(3)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Resident Graduate Online Tuition &amp; Fees</b>	\$620	\$1,163	\$1,706	\$2,249	\$2,792	\$3,335	\$3,905	\$4,448	\$4,991	\$5,534	\$5,964	\$5,964	\$5,964	\$5,964	\$5,964	\$5,964	\$5,964	\$5,964	\$5,964

NON-RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
<b>Non-Resident Graduate Online Tuition</b>	\$543	\$1,086	\$1,629	\$2,172	\$2,715	\$3,258	\$3,801	\$4,344	\$4,887	\$5,430	\$5,973	\$6,516	\$7,059	\$7,602	\$8,145	\$8,688	\$9,231	\$9,774
<b>Technology Fee</b>	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>Financial Aid Trust <sup>(3)</sup></b>	27	27	27	27	27	27	54	54	54	54	54	54	54	54	54	54	54	54
<b>Total Non-Resident Graduate Online Tuition &amp; Fees</b>	\$620	\$1,163	\$1,706	\$2,249	\$2,792	\$3,335	\$3,905	\$4,448	\$4,991	\$5,534	\$6,077	\$6,620	\$7,163	\$7,706	\$8,249	\$8,792	\$9,335	\$9,878

(1) Effective for fall 2018, online tuition for resident students will be capped at 11 credit hours; however, online tuition for non-resident students is billed per credit hour with no cap.

(2) Special Class fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search [1].

(3) The Financial Aid Trust fee is billed per session, but is not to exceed the seven-hour rate in a term.

(4) Students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on the excess hours. For resident and non-resident students, the excess hours tuition rate is \$109 per credit hour. Students should see [students.asu.edu/tuition-surcharge](https://students.asu.edu/tuition-surcharge) [2] for additional information regarding the Undergraduate Excess Hours Tuition.

(5) Students admitted to Barrett, the Honors College are assessed a \$1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(6) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(7) Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college or program. Students should use the Tuition and Cost of Attendance Estimator [3] to review program-specific tuition and fees.

\*Graduate online programs with differential tuition [4] for use by Department of Defense students using tuition assistance.

**Source URL:** <https://catalog.asu.edu/tuitionandfees/Fall21Grad-PostBaccOnline>

**Links:**

[1] <https://webapp4.asu.edu/catalog/>

[2] <https://students.asu.edu/tuition-surcharge>

[3] <https://students.asu.edu/tuition>

[4] [https://catalog.asu.edu/sites/default/files/edplus\\_online\\_programs-\\_grad.xlsx](https://catalog.asu.edu/sites/default/files/edplus_online_programs-_grad.xlsx)



# Registration & Tuition Payment Guide

**Fall 2021**

Distributed by:  
University Registrar Services

Revised 07/23/2021

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### Important Reminder

By registering for classes you agree to pay all applicable tuition and registration fees. You will NOT be dropped from your classes for non-payment. If you do not have adequate financial aid to cover tuition costs, and if you do not pay tuition by the applicable deadline, you will be enrolled in the ASU Payment Plan and assessed a non-refundable \$100 resident/\$200 non-resident enrollment fee. **See page 13 for more information.**

## Semester Calendar - Fall 2021

All dates and times published in this schedule are tentative and are subject to change without notice.

If a class is scheduled in a session other than Session A, B or C, the drop/add/withdrawal deadlines are prorated based on the length of the class. Check the calendar icon next to each class on your schedule in My ASU for the prorated deadline dates.

<b>Session A: Thursday 8/19/2021–Friday 10/8/2021</b> <b>Session B: Monday 10/13/2021–Friday 12/3/2021</b> <b>Session C: Thursday 8/19/2021–Friday 12/3/2021 (Final exams 12/6/2021–12/11/2021)</b>			
Schedule of Classes Available	February 15, 2021		
Registration and Tuition Guide Available	February 15, 2021		
Registration Dates Begin	February 18, 2021		
\$50.00 Late Registration Fee Begins (does not apply to ASU Online students)	Session A August 11, 2021	Session B October 5, 2021	Session C August 11, 2021
Classes Begin	Session A August 19, 2021	Session B October 13, 2021	Session C August 19, 2021
<u>Academic Status Reports</u> – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in MyASU within 24 hours after each weekly reporting period closes on Sunday.	Session A Aug 19-Oct 3, 2021	Session B Oct 13-Nov 28, 2021	Session C Aug 19-Nov 28, 2021
Residency Classification Petition Deadline	August 25, 2021		
Automatic ASU Payment Plan Enrollment - Students who registered through August 18 and who have unpaid tuition and other eligible payment plan charges will be automatically enrolled in the ASU Payment Plan.	August 27, 2021		
Last day to register or drop/add without college approval	Session A August 20, 2021	Session B October 14, 2021	Session C August 25, 2021
<u>Tuition Fee Payment Deadline</u> —For registration through 8/15/21. For more information see <a href="http://students.asu.edu/tuitiondeadlines">http://students.asu.edu/tuitiondeadlines</a>	August 25, 2021		
<u>Tuition &amp; Fees 100% Refund Deadline</u> – For more information see <a href="http://students.asu.edu/tuitionrefundpolicy">http://students.asu.edu/tuitionrefundpolicy</a>	Session A August 25, 2021	Session B October 19, 2021	Session C September 1, 2021
Labor Day Holiday Observed <b>Classes excused/University closed</b>	September 6, 2021		
University 21 <sup>st</sup> Day	Session A September 8, 2021	Session B November 2, 2021	Session C September 8, 2021
<u>Tuition Fee Payment Deadline</u> —For registration from 8/16/21 through 9/18/21. For more information see <a href="http://students.asu.edu/tuitiondeadlines">http://students.asu.edu/tuitiondeadlines</a>	September 25, 2021		
Deadline to Apply for Graduation	October 1, 2021		
<u>Tuition Fee Payment Deadline</u> —For registration from 9/19/21 through 10/18/21. For more information see <a href="http://students.asu.edu/tuitiondeadlines">http://students.asu.edu/tuitiondeadlines</a>	October 25, 2021		

## Semester Calendar (continued) - Fall 2021

Session A: Thursday 8/19/2021–Friday 10/8/2021 Session B: Monday 10/13/2021–Friday 12/3/2021 Session C: Thursday 8/19/2021–Friday 12/3/2021 (Final exams 12/6/2021–12/11/2021)			
Course Withdrawal Deadline	Session A September 8, 2021	Session B November 2, 2021	Session C November 3, 2021
Veterans Day Observed <i>Classes excused/University closed</i>	November 11, 2021		
Thanksgiving Holiday Observed <i>Classes excused/University closed</i>	November 25-26, 2021		
Complete Session Withdrawal Deadline As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school for facilitate the withdrawal process. For more information, see <a href="https://students.asu.edu/forms/withdrawal">https://students.asu.edu/forms/withdrawal</a>	Session A October 8, 2021	Session B December 3, 2021	Session C December 3, 2021
Classes End/ Last Day to Process Transactions	Session A October 8, 2021	Session B December 3, 2021	Session C December 3, 2021
Study Days	Session A N/A	Session B N/A	Session C December 4-5, 2021
Final Exams	Session A Last day of classes	Session B Last day of classes	Session C December 6-11, 2021
Final Grades Due	Session A October 11, 2021	Session B December 6-13, 2021	Session C December 6-13, 2021
Commencement Ceremony - (Graduate and Undergraduate) <a href="https://graduation.asu.edu/">https://graduation.asu.edu/</a>	December 13, 2021		
Degree Conferral Date	December 13, 2021		
Grade Replacement/Academic Standing Processing	December 14-15, 2021		
Holiday Break <i>Classes excused/University closed</i>	December 24-27, 2021		

\* See Residential Life for designated move in dates.

\*\* Late Registration fee of \$50 assessed.

\*\*\* Classes start on Thursday 8/19/2021 in order to fully comply with ABOR contract hour requirements



## Admission and Registration

### Admission/Readmission

#### Undergraduate admission/readmission:

[admission.asu.edu/first-year](https://admission.asu.edu/first-year)  
[admission.asu.edu/transfer](https://admission.asu.edu/transfer)  
[admission.asu.edu/international/first-year-apply](https://admission.asu.edu/international/first-year-apply)  
[admission.asu.edu/international/transfer-apply](https://admission.asu.edu/international/transfer-apply)

#### Graduate admission/readmission:

[admission.asu.edu/graduate](https://admission.asu.edu/graduate)  
[admission.asu.edu/international/graduate-apply](https://admission.asu.edu/international/graduate-apply)

#### Sandra Day O'Connor College of Law:

[law.asu.edu](https://law.asu.edu)

Students with an advising hold on their student account must meet with an academic advisor before submitting a registration request.

#### Nondegree undergraduate admission:

[admission.asu.edu/undergrad/nondegree](https://admission.asu.edu/undergrad/nondegree)

Nondegree undergraduate students may enroll in up to eight credit hours each fall or spring semester, seven credit hours each five-week summer session, and nine credit hours in the eight-week summer session. Nondegree students may apply up to 15 credit hours to an undergraduate degree program at ASU. A student may not register in nondegree status after being admitted to a degree program.

#### Nondegree graduate admission:

[admission.asu.edu/graduate/nondegree](https://admission.asu.edu/graduate/nondegree)

A graduate student admitted to an ASU master's or doctoral degree program may apply up to 12 nondegree graduate credit hours taken prior to admission to their program.

### Registration Procedures Overview

[my.asu.edu](https://my.asu.edu)

- Step 1: Log into My ASU to view your online Registration Dates. A registration date is the date/time that you may begin to register for classes. You may register online or in person anytime after your assigned registration date begins through the end of the drop/add period.\*
- Step 2: Check for registration holds on My ASU. If you have an academic advising hold, plan to meet with your academic advisor well before your Registration Date occurs.
- Step 3: Review degree and catalog requirements.
- Step 4: Review your Major Map on My ASU (undergraduate stu-

dents only).

- Step 5: Search for available classes using the Class Search at [my.asu.edu](https://my.asu.edu).
- Step 6: Register for classes at [my.asu.edu](https://my.asu.edu) or in person at any registrar location <https://students.asu.edu/contact/office-university-registrar>
- Step 7: Pay tuition. If you do not have adequate financial aid to cover tuition costs, and if you do not pay tuition by the applicable deadline, you will be enrolled in the ASU Payment Plan and assessed a non-refundable \$100 resident/\$200 non-resident enrollment fee.

\*Students may register for Fall 2021, February 18, 2021 through August 20, 2021 for Session A, August 25, 2021 for Session C, and October 14, 2021 for Session B. However, a \$50 late registration fee is charged beginning August 11, 2021 for Session's A and C and October 5, 2021 for Session B. This fee does not apply to ASU online students.

### Registration/Enrollment General Information

#### Registration Dates

All students are assigned an online **registration date** which will permit registration for the Fall 2021 semester. Students should log into My ASU to view their registration date as soon as possible.

A registration date is the date and time that a student may begin registering for the next semester. Students may register in person or online anytime after the assigned registration date begins, through the end of the drop/add period.

If you are an entering freshman in the Fall semester, your registration date will be the date of your orientation program. If you are not an entering freshmen, and you do not have a registration date assigned, contact the University Registrar Services at 480.965.3124.

#### Building Your Class Schedule

ASU's registration system will allow you to search the Schedule of Classes/Class Search and build a Fall class registration request. You can save that plan (shopping cart) and then later return to it. When you return, you will be able to see if the class status has changed since you built and saved the plan. You can view the online Schedule of Classes/Class Search via My ASU ([my.asu.edu](https://my.asu.edu)). The Fall 2021 Schedule of Classes is available

## Registration, cont.

February 15, 2021.

### Submitting Your Registration Request

Once you have submitted your schedule request, you will be able to immediately see which courses were successfully added to your schedule. **Note: You may choose to audit a course in which case you attend and participate in the class but do not earn credit. Be sure to obtain instructor's approval before registering and paying fees. Refer to your catalog and see your academic advisor for additional information about audit enrollment.**

### Drop/Add

Anytime after you have a class schedule, you will be able to drop and add courses via My ASU or in person at any registration location through the published drop/add deadline. During this period, you may drop one or more (but not all) scheduled classes. Classes that are dropped do not appear on the student's transcript. A student who wishes to withdraw from his/her last course during the drop/add period must process a complete withdrawal. Colleges or departments may require approvals before a student can add specific classes.

### Swap

You can use the swap feature when you want to ensure that you do not drop a class you are already registered for until you have successfully added a replacement class.

### Registration Holds

You will be able to view a list of holds that will prevent registration. Items that can prevent you from registering are: unpaid fees, academic advising requirements, immunizations, etc. Do not delay your ability to get the classes you want. Take care of your University business now to eliminate any holds.

### To Dos

You will be able to view a list of your To Do items. To Do items display tasks you need to complete, such as completing a financial aid form. To Do items do not restrict registration. However, if you do not accomplish an open To Do item, it can become a Hold on your record. Follow the instructions or contact the appropriate person to make arrangements to complete each pending task as soon as possible.

## Registration Locations

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
Student Services Bldg, Room 140	University Center Bldg, Room 120	Administration Bldg	University Center Bldg, Room 166
480.965.3124	602.543.8203	480.727.1142	602.496.4372
Monday - Friday 8:00am - 5:00pm			
<p><b>Offices are closed in observance of the following holidays:</b></p> <p>Labor Day—September 6, 2021                      Veteran's Day—November 11, 2021                      Thanksgiving—November 25-26, 2021                      Holiday Break—December 24-27, 2021</p>			

**A photo ID is required to process transactions in person.**

In order to process any registration transaction in a student's absence, a third party must present their photo ID and written authorization signed by the student. A Registration by Proxy Form for a third party must present their photo ID and written purpose is available on the web at [students.asu.edu/forms/registration](https://students.asu.edu/forms/registration) or at any University registration site.

## Measles Immunization Policy

Arizona State University requires new freshman, transfer, and graduate students to submit proof of two doses of MMR—Measles (rubeola), Mumps and Rubella (German Measles). This is a mandatory requirement for all college students born on or after January 1, 1957. You will not be permitted to register, add, or drop classes without having met this requirement. If you cannot locate your documentation, the MMR vaccinations and lab test are available for a minimal fee at ASU Health Service.

One of the following may be used as documentation:

- Documentation of two MMR vaccines with the first at 12 months or older and the second vaccination at least 28 days apart.

## Registration, cont.

### Measles Immunization Policy, Cont.

- Documentation by a physician of having had Rubeola, Mumps and Rubella diseases.
- Documentation of a positive lab test showing immunity to **RUBEOLA IgG (Measles=Hard measles/10 day measles)**.

When submitting your documentation, please include the cover page that can be found at <https://eoss.asu.edu/health/immunization>

Mail, Fax or Email to:

IMMUNIZATION DEPARTMENT      **FAX#:** 480-965-8914  
 ASU Health Service                **Phone#:** 480-965-8177  
 Arizona State University        **Email:** immunizations@asu.edu  
 P.O Box 872104  
 Tempe, AZ 85287-2104

### Advising

Admitted students have an academic advising team that assists them in setting personal and academic goals, understanding policies and creating strategies for staying on track towards graduation. Undergraduate students should contact an academic advisor in the college or school of their major for advising and information about their academic program and curricular requirements. Many programs require academic advisement prior to registration for classes.

Students may visit MyASU to learn their current academic advising office assignment, and for information on how to make an appointment with an advisor. For additional information regarding general academic advising for all ASU departments visit <https://students.asu.edu/academics>

### Instructor-Initiated Drop Option

The instructor of a course has full authority within departmental or other higher-level policies to decide whether or not class attendance is required. During the second week of classes in Fall or Spring, or the first four days of each Summer Session, the instructor can drop a student for non-attendance. In classes which are full, this will allow accommodation of other students requesting the class and help instructors avoid excessive

overrides. Instructor-initiated drops for non-attendance must be based upon concrete evidence of non-attendance and be signed by the Dean or Dean's Designee in the college offering the course. The college will notify the student by mail at the student's currently posted local address. Nothing in this policy contradicts any other policy regarding attendance, religious holidays, or the student's responsibility to notify the instructor in case of absences.

**Note: Students should be aware that non-attendance will not automatically result in being dropped.** Instructors have the right to exercise this option at their discretion. It is also the student's responsibility to contact the instructor before the end of the first week of classes if absences during that period cannot be avoided.

### Withdrawal Policy

#### Course Withdrawal

After the drop/add period and up to September 8, 2021 for Session A, November 2, 2021 for Session B and November 3, 2021 for Session C, a student may withdraw from any course with a grade of "W". Withdrawals may be initiated online using MyASU or in person at any registration site. Courses with alternate begin and end dates may have an adjusted withdrawal schedule. Courses from which the student withdraws will remain on the student's transcript with a grade of "W". Any appropriate refunds are issued based on the published Refund Schedule and the date of the withdrawal. To determine whether you will be eligible for a refund after withdrawing, contact Student Accounts at 1-855-278-5080. It is the student's responsibility to initiate a withdrawal if unable to attend a class. Failure to do so will result in a grade of "E" being assigned for the class. Although students who do not attend class during the first week of a term may be administratively dropped from the class, such withdrawal is at the discretion of the instructor. In special circumstances, a medical withdrawal or academic record change may be authorized by the Dean of an academic unit if the student petitions for the change and presents documentation of reasons for being unable to attend the class. Please note academic record changes can only be requested after the semester has ended. It is the student's responsibility to petition for such change if appropriate.

#### Complete Withdrawal

A student may withdraw from all of his or her classes (the student will no longer be enrolled in any classes for the specified semester) through the transaction deadline or the last day of classes for

## Registration, cont.

any semester. A grade of “W” is awarded for each class from which the student withdraws. The complete withdrawal deadline is October 8, 2021 for Session A, and December 3, 2021 for Sessions B and C. Beginning the first date of the semester, undergraduate students are required to request a complete withdrawal in person. Making a complete withdrawal from the University is a difficult decision, and ASU has many resources in place to help. Because there may be serious academic and financial consequences to processing a complete withdrawal, you should view complete withdrawal as a final resort. You are encouraged to meet with your academic advisor to explore alternatives.

**Note: A student may not avoid any penalty for academic dishonesty by withdrawing from a course. A student may be reinstated to a course to receive a penalty of a reduced or failing grade, or XE. Remember:** If you have financial aid or scholarships, be sure you understand minimum credit hour requirements for maintaining those awards.

### Military Withdrawal

To completely withdraw due to military activation, immediately contact the Pat Tillman Veterans Center. For all campuses, email the Military Advocate at [MilitaryAdvocate@asu.edu](mailto:MilitaryAdvocate@asu.edu) to determine whether the call to active duty qualifies for [ASU's Military Activation Policy](#). For example, students reporting to “boot camp” or required training may not qualify for this policy. Students who qualify will receive some regulatory relief in the recalculation of financial aid and the calculation of tuition and fee charges. Students are also given options regarding their academic records, e.g., complete withdrawal, incomplete grades, etc.

### Financial Assistance Withdrawal Policy

Circumstances may necessitate complete withdrawal from the University. For financial aid, a complete withdrawal from the full term or any individual session can affect financial aid eligibility. The outcome of a complete withdrawal on your financial aid depends on when the complete withdrawal is initiated and the types of financial aid you received. In all cases, Financial Aid and Scholarship Services must calculate a “Return of Title IV Funds” to determine if you were enrolled long enough to keep the aid paid to you. Any time you stop your enrollment (i.e., withdraw, drop, stop participating in classes or receive a combination of all EN, EU or W grades in a session or term) before the end of the term, you may need to return some of the financial aid you received. Please note that federal and institutional financial aid will be reduced/canceled, excluding Federal Work Study and Employee waivers, for course credits assigned an EN grade ([failure to participate](#)).

If you are considering withdrawing, please contact [Financial Aid and Scholarship Services](#) and request to speak with a financial aid counselor to understand the impact on your financial aid. Be sure to review [Withdrawing as a Financial Aid Recipient](#) for more information.

### Official Complete Withdrawal

Federal regulations require the recalculation of Title IV financial aid in cases where a student received financial aid and officially withdrew on or before the point in which 60% of the semester has lapsed. If a return of aid is required, ASU returns the unearned portion of Title IV financial aid funds to the Federal Programs on behalf of the student. Any return of financial aid funds made by the University will be charged to the student's University account. Payment to the University will be due on demand. Title IV funds include the Federal Pell Grant, the Federal Supplemental Educational Opportunity Grant (FSEOG), the Federal Teach Grant, the Iraq and Afghanistan Service Grant, the Federal Direct Subsidized and Unsubsidized Student Loans and the Federal PLUS Loan. Federal Work Study earnings and non-Title IV aid are not included in this formula. However, the student may not continue to work under the Federal Work Study program after their official date of withdrawal.

### University Testing Requirements

All new, transfer, or readmitted undergraduate students must meet one of the following testing requirements:

- Take the ACT English, SAT verbal examination, WritePlacer Plus section of the ACCUPLACER, TOEFL (Test of English as a Foreign Language), IELTS (International English Language Testing System), or PTEA (Pearson Test of English Academic) and have scores submitted to ASU.
- Receive a score of 4 or 5 for the advanced placement examination in English offered by the College Entrance Examination Board and have scores submitted to ASU.
- Take the CLEP College Composition exam, earning a score of 50 that qualifies for placement into ENG 105 and elective credit (3). ENG 101 (3) for students who already have credit for ENG 102.
- Have previously taken or be currently enrolled in WAC101, WAC107, ENG101, ENG102, ENG105, ENG107, or ENG108 at ASU. If the course was taken at ASU before 1980, contact the Records and Enrollment Services Office in SSV140 or at 480.965.3124, before registering for classes.
- Transfer a course equivalent to ENG101, ENG102, ENG105, ENG107, or ENG108 with a grade of “C” (2.00) or higher.

An official transcript showing the grade must be received by ASU.

## Registration, cont.

The evaluations of transfer English courses at Arizona State University has been centralized and all evaluations will be processed through the new Transfer Credit Guide. All transfer students should visit [www.asu.edu/transfercredit](http://www.asu.edu/transfercredit) to request an evaluation of transfer course work. Any questions regarding the evaluation process should be sent to [articulation@asu.edu](mailto:articulation@asu.edu).

### Placement Exams

#### A. First-Year Composition

Placement in First-Year Composition courses (WAC101 or WAC107 followed by ENG101 or ENG107 the next semester, or ENG101, ENG105, or ENG 107) is determined by the score earned on the ACT English, SAT Verbal Exam, Accuplacer, TOEFL, IELTS, or PTEA exam (see table). Multilingual students are not required to take multilingual sections of first-year composition courses (WAC107, ENG107, and ENG108). They have the option of taking mainstream composition courses (WAC101, ENG101, and ENG102). If students enter the university without taking an acceptable placement exam, the Accuplacer may be taken on campus at the University Testing and Scanning Services, located at 1130 E. University Dr. Suite 204 in Tempe, at regularly scheduled times. Contact the UTSS at 480.965.7146 to make an appointment.

Multilingual students who have taken the IELTS or PTEA exam should contact the Writing Programs Office at [writingprograms@asu.edu](mailto:writingprograms@asu.edu) or 480-965-3853 for assistance with registration.

Students who have taken the Advanced Placement Exam in English offered by the College Entrance Examination Board, the International Baccalaureate English A Exam, or the CLEP College Composition Exam, should visit the Credit by Exam Search section of the Transfer Credit Guide at <https://webapp4.asu.edu/transfercreditguide/app/searchbyexam> or information about placement into first-year composition courses.

#### B. Mathematics Course Placement Exams

Arizona State University requires the **Math Placement Test** to assess a student's prerequisite knowledge for placement into several mathematics courses up to and including first semester calculus. The instrument used for testing is a powerful assessment tool with artificial intelligence that zeros in on the strengths and weaknesses of a student's mathematical knowledge, reports placement score to the student and then, if necessary, provides the student with a learning environment for bringing this knowledge up to an appropriate level for the desired course placement by retaking the Math Placement Test.

Placement in First-Year Composition will be determined as follows:	
Exam Score:	Register For:
SAT Verbal 460 and below	WAC101 or WAC107
SAT Read/Write 510 and below	WAC 101 or WAC 107
ACT English 18 and below	WAC101 or WAC107
TOEFL 550PBT / 213CBT / 79iBT and below	WAC107
IELTS 6.0 and below	WAC 107
PTEA 56 and below	WAC 107
SAT Verbal 470-610	ENG101 or ENG107
SAT Read/Write 520-650	ENG 101 or ENG 107
ACT English 19-25	ENG101 or ENG107
TOEFL 560PBT / 220CBT / 83iBT and above	ENG101 or ENG107
IELTS 6.5 and above	ENG 107
PTEA 56 and above	ENG 107
SAT Verbal 620 and above	ENG105
SAT Read/Write 660 and above	ENG 105
ACT English 26 and above	ENG105
Accuplacer score 4 or below	WAC101 or WAC107
Accuplacer score 5, 6, or 7	ENG101 or ENG107
Accuplacer score 8	ENG 105

All incoming students must complete the **Math Placement Test** prior to enrollment unless they have transferred an equivalent prerequisite course for the one they intend to enroll in. The time limit to finish the assessment is 2 hours.



## Registration, cont.

### Veterans Educational Benefits

Veterans and eligible dependents must apply for veterans educational benefits and then verify their status with the Pat Tillman Veterans Center as soon as possible with each new semester. Distance Learning classes have veterans education benefit restrictions. Veterans cannot collect benefits for audited classes.

All Campuses
Pat Tillman Veterans Center Tempe Campus Memorial Union, Lower Level, Room 75
480.965.7723

### Student Identification

#### ASU Sun Devil Card Services

Arizona State University requires all on campus and extended campus students to obtain an official ASU ID card. Online students are required to have an approved photo on file with Sun Devil Card Services. On campus students may choose between the Pitchfork ID Card offered by MidFirst Bank<sup>‡</sup> or the basic Sun Card. The Pitchfork ID Card is an official ASU student photo ID and a Visa check card linked to a Sun Devil checking account. Both the Pitchfork ID Card and the basic Sun Card act as official university IDs and cost \$25\*, which may be paid with MasterCard®, Visa® or through the student’s university account. As proof of identity, students need their ten-digit ASU ID number and a legal photo ID – driver’s license, military ID, passport, etc. – to obtain their ID card. Visit [cardservices.asu.edu](http://cardservices.asu.edu) or email [sundeilcardinfo@asu.edu](mailto:sundeilcardinfo@asu.edu) for more information. Both the Pitchfork ID Card and the basic Sun Card contain an iCLASS® chip that allows easy access into classrooms and residence halls without the use of a key.

Do not punch holes in your card, or you will damage your card’s functionality.

The Pitchfork ID Card and the basic Sun Card can both be used for a variety of services.



Card Uses	Pitchfork ID Visa®	Basic Sun Card
Official ASU Student ID	*	*
Access to secure buildings	*	*
Access for meal plans**	*	*
Access for Maroon & Gold Dollars**	*	*
Access to Sun Devil Fitness Complexes	*	*
Access to academic advising	*	*
Access to library and check out	*	*
Accepted at Visa® locations worldwide	*	
Pay for campus health services	*	
Pay for campus parking services	*	
Pay for Sun Devil Campus Stores items	*	
Comes with Sun Devil checking   Free to ASU students	*	
Free ATMs nationwide, including MidFirst ATMs on campus	*	

\*The \$25 fee for your card was included in your enrollment deposit. If you need to replace your Pitchfork ID Card or basic Sun Card, a \$25 fee will apply. All rules for obtaining a replacement ID card may be found at [carservices.asu.edu](http://carservices.asu.edu).

\*\* Maroon and Gold Dollars and meal plans are administered by Sun Devil Dining. Call 480-727-DINE (3463) or visit [sundeildining.com](http://sundeildining.com)

‡Member FDIC

# Tuition and Fees

## Admission Application Fees

Admission application fees are nonrefundable and must be paid at the time of application. These fees are subject to change.

## Fall 2021 General Tuition\*

General tuition, program-specific tuition, special class fees and mandatory registration fees are set annually by the Arizona Board of Regents. Visit the following websites for more information.

- General tuition and mandatory registration fee information— [Tuition and Fees](#)
- Program-specific information— [ASU cost Calculator](#)

Special class fees can be viewed online at the time of class registration

By registering for classes you agree to pay all applicable tuition and registration fees.

\*All amounts presented in any University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors.

## Tuition Billing

Tuition charges will be billed on your student account and may be viewed online through [My ASU](#) after registration. From My ASU, select the “Finances” link on the upper left side.

**By registering for classes you agree to pay all applicable tuition and registration fees.**

If tuition is not paid by the applicable tuition due date, or financial aid is not awarded and accepted by the due date, you will be automatically enrolled in the ASU Payment Plan and charged a non-refundable enrollment fee of \$100 for resident students and \$200 for non-resident students. For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no action is necessary. For students with accepted financial aid insufficient to cover tuition charges, payment in full is required by the due date to avoid automatic enrollment in the ASU Payment Plan. Refer to [Tuition and Billing Calendar](#) for your specific tuition payment due date.

## Online Billing

Online billing provides reliable and secure access to billing statements any time of day from anywhere in the world along with immediate access to current account information. To view and pay your charges, login to [My ASU](#), select the link “Finances” on the upper left side, then click “Make a Payment”. Online billing statements are also available through QuikPAY by clicking “View Account”. Students are responsible to review their ASU e-mail account for notification of billing statements and to login to their student account on My ASU for current billing information. **Billing statements are not mailed.**

Students may authorize others to view and pay their ASU student account through QuikPAY. Log in to [My ASU](#), select the “Finances” link on the upper left side, then click “Make a Payment”. Once directed to QuikPAY select Authorized Payers from the left windowpane and enter the requested information for each person to be authorized on the account. Authorized Payers must have a valid email account.

## eCheck Payments

eChecks are ASU’s preferred payment method and are accepted online with no service charge or additional cost to the student. Make eCheck payments on QuikPAY by logging in to My ASU ([my.asu.edu](#)), select the “Finances” link on the upper left side, then click “Make a Payment” to be directed to the online payment processor. eChecks are a fast and simple payment method that can be made from regular U.S. checking and savings accounts in U.S. dollars. Checks issued from money market accounts, credit card companies, mutual funds, brokerage accounts, home equity or other lines of credit cannot be processed as an eCheck. Additional information is available at [Payment Options](#).

# Tuition and Fees, cont.

## Credit Card Payments

ASU does not directly accept credit or debit card payments for tuition or other student account charges. The University has arranged for a third-party processor to accept Visa, MasterCard, Discover, and American Express credit and debit card payments online. The processor will charge a 2.4% service fee for credit and debit card payments in addition to the ASU payment amount. The service fee is not paid to ASU and is non-refundable, even if related payment to ASU is refunded. Credit and debit card payments may be made on QuikPAY by logging in to My ASU [My ASU](#). Click on the “Finances” link on the upper left side, then click “Make a Payment” to be directed to the online payment processor. Credit and debit card payments are not accepted by mail, in person, or over the phone.

## International Payments

ASU has partnered with Flywire to offer a streamlined and cost effective payment method for you to make international payments to ASU through QuikPAY. Initiate your international wire transfer payment at least one week before the applicable due date to ensure timely receipt.

## Personal Checks

Checks payable to Arizona State University and without restrictive endorsement are generally acceptable. Mail checks to Cashiering Services, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303. Include your ASU ID number. Check payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the ASU Payment Plan. Check payments are also accepted in person at all campuses. **See Tuition Hours and Locations on page 14.**

## Residency Classification

Residency (tuition) status is determined at the time a student submits an application for admission to the University. Non-resident students who feel they qualify for resident tuition status must submit a completed residency petition no later than the last day of regular registration. For general information about the residency requirements, consult the ASU General Catalog or the web at [students.asu.edu/residency](https://students.asu.edu/residency). The residency petition is a complex process and you are encouraged to petition early. You are advised to submit the online residency petition, required supporting documentation, and your receipt for the \$50.00 non-refundable petition fee to the Residency Classification Office by the appropriate deadline date. The deadline for submitting a residency petition for Fall 2021 is August 25, 2021. Failure to petition by this deadline constitutes a waiver of the student’s rights for requesting residency reclassification or appeal for the current semester.

## Citizenship or Lawful Presence Requirement

Arizona law requires that students who are seeking consideration for in-state tuition status or aid that is funded in part or in whole by state money to provide verification of citizenship, permanent residency or other lawful immigration status. Most students will be able to be verified through automatic processes such as the financial aid application ([FAFSA](#)). Students choosing to go through the FAFSA process should be verified no later than the beginning of July for the Fall term, December for the Spring term and May for the summer term. If the FAFSA has not cleared the verification requirement by the recommended month it is highly possible that documentation is still required.

## Veterans Educational Benefits

Veterans and eligible dependents must apply for veterans educational benefits and then verify their status with the Pat Tillman Veterans Center as soon as possible with each new semester. Distance Learning classes have veterans education benefit restrictions. Veterans cannot collect benefits for audited classes.

All Campuses
Pat Tillman Veterans Center Tempe Campus Memorial Union Lower Level, Room 75
480.965.7723



## Tuition and Fees, cont.

### ASU Payment Plan

The ASU Payment Plan provides students with the option to budget payment of certain eligible university charges over several months. Eligible charges are tuition, housing, meal plan, parking decals and health insurance. Students may enroll themselves in the plan through [My ASU](#) or they will be automatically enrolled if tuition charges are not paid in full by the applicable due date. There is a per-semester non-refundable fee of \$100 for resident students and \$200 for non-resident students. For additional information, please visit [ASU Payment Plan](#). Please note, the enrollment fee is non-refundable, even if the student withdraws from classes.

All students are eligible to enroll in the ASU Payment Plan after they register for classes. Once a student enrolls for classes, he or she will not be withdrawn from classes during the current semester for non-payment. Students must withdraw from classes if they decide not to attend. If students enrolled in the plan do not make scheduled payments, monthly late fees will be assessed until the account is brought current on payments, registration in future semesters will be blocked, and access to other University services, such as official transcripts and diplomas, will be withheld.

### Tuition Payment with Financial Aid

Financial aid is posted to your student account and used to pay tuition and other student account charges, with any excess financial aid immediately refunded to you. Any institutional charges incurred after financial aid disbursement are the student's responsibility to pay by the due date. Financial aid awards generally only pay charges in the semester for which the aid is intended, and you may be refunded excess financial aid for one semester and still have a balance owed for another semester. If you receive a refund, ensure that all charges have been paid by logging in to My ASU [My ASU](#) and select the "Finances" link on the upper left side.

For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no further action is necessary. Students with unpaid tuition charges in excess of pending aid will be automatically enrolled in the ASU Payment Plan.

**Note: If financial aid is not awarded and accepted by the tuition due date, tuition charges must be paid in full to avoid automatic enrollment in the ASU Payment Plan and assessment of the non-refundable ASU Payment Plan fee of \$100 for resident students and \$200 for non-resident students.**

By registering for classes you agree to pay all applicable tuition and registration fees. Classes are not automatically cancelled for non-attendance or non-payment.

Taxability of Scholarships and Fellowships: Scholarships, grants, fellowships and stipends (but not loan funds) are taxable income to the recipient, except for the portion of these funds used for tuition, registration, other University fees, and books, supplies and equipment required for the courses being taken. Special tax regulations also apply to non-resident alien students and may require withholding of taxes at the time of aid disbursement to these individuals. Information on the taxability of scholarships can be obtained from the following IRS publications and forms: Publication 970, Tax Benefits for Education, Pub 519-U.S. Tax Guide for Aliens, Form 1040EZ and instructions - Income Tax Return for Single and Joint Filers with No Dependents, Form 1040NR and instructions - U.S. Non-resident Alien Income Tax Return. These publications and forms can be obtained from the Internal Revenue Service at their toll free number 1.800.829.FORM or online at [www.irs.gov](http://www.irs.gov).

The Student Financial Assistance Withdrawal Policy will apply when a student receives financial aid funds and subsequently withdraws, drops out, takes an unapproved leave of absence, fails to return from an approved leave of absence, is expelled, or otherwise fails to complete the period of enrollment for which he or she was charged. **See page 8 in this handbook or online at [Financial Aid Payment](#).**

Students with loans who would like to cancel or reduce their loans must inform the Student Financial Assistance Office in person within 14 days of the disbursement.

## Tuition and Fees, cont.

### Tuition Payment with Prepaid or College Savings Plans

Prepaid or College Savings Plan payments made payable to Arizona State University are generally accepted. Mail checks to Cashiering Services, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303. Include the student's ASU ID number. Prepaid or College Savings Plan payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the ASU Payment Plan and assessment of the non-refundable payment plan fee. Notification to Arizona State University of pending payments by the Prepaid or College Savings Plan does not exempt a student from automatic enrollment in the ASU Payment Plan and assessment of the non-refundable payment plan fee.

### Sponsorship by ASU Approved Governmental and Third-Party Agencies

Submit sponsorship authorization in person at the Student Accounts Office, by fax to 480.965.9242, or by e-mail [sponsorbilling@asu.edu](mailto:sponsorbilling@asu.edu). Failure to do so by the tuition payment deadline will result in automatic enrollment in the ASU Payment Plan and assessment of a non-refundable enrollment fee of \$100 for resident students and \$200 for non-resident students. An acceptable letter of authorization must be submitted to the Student Accounts Office by **August 25, 2021**.

A **per semester** Sponsored Tuition Fee will be assessed to each sponsored student. Sponsored students are responsible for all tuition, fees, and late charges if the sponsoring agency fails to pay by the due date of the invoice. Questions about third party sponsorship may be directed to the Student Accounts Office. For additional information please visit <https://students.asu.edu/thirdpartysponsorships>.

International students who are required to carry student health insurance and are using coverage through their sponsor must receive approval from ASU Campus Health Services by e-mailing [insurance@asu.edu](mailto:insurance@asu.edu).

### Qualified Tuition Reduction Program

A Qualified Tuition Reduction Program is available to faculty and staff who are employed at least 50% time within the state University system, and to their spouses and dependent children. Employees must complete the Qualified Tuition Reduction Form every semester they attend, which can be obtained at Human Resources, the Student Accounts Office, or online at [HR Forms under Tuition Reduction Program](#). The completed form may be submitted to Student Accounts (Tempe Campus), Student Services Building Room 230, or at the West, Polytechnic, or Downtown Phoenix campus Cashiering Offices. The form may also be faxed to 480.965.9242 or emailed to [tuitionreduction@asu.edu](mailto:tuitionreduction@asu.edu). The Qualified Tuition Reduction Program does not cover 100% of your tuition and fees. The outstanding portion of the tuition and fees will be billed on your student account and should be paid by the due date to avoid late fees. **Please submit early.**

### Tuition Payment Hours and Locations

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
Student Services Bldg, 2nd Floor	University Center Bldg, Ste 101	Administration Building, Room 160	University Center Bldg, Ste 112
1-855-278-5080	1-855-278-5080	1-855-278-5080	1-855-278-5080
M-F 8:15am - 4:30pm	M-F 8:15am - 4:30pm	M-F 8:30am - 4:30pm	M-F 8:15am - 4:30pm
<b>Offices are closed in observance of the following holidays:</b>  Labor Day—September 6, 2021 Veteran's Day—November 11, 2021 Thanksgiving—November 25-26, 2021 Holiday Break—December 24-27, 2021			

## Tuition and Fees, cont.

Non-residents are not eligible for the Qualified Tuition Reduction Program. Please contact Residency Classification at 480.965.7712. Residency processing can be time-consuming, so apply early. You must be employed on the first day of the semester to be eligible for the Qualified Tuition Reduction Program. The Qualified Tuition Reduction Form must be processed by the Student Accounts Office on or before the first day of the session to qualify for reduced tuition. Forms submitted after the first day of the session will not be accepted and you will be held responsible for the full tuition and fees.

### Graduate Assistants

Students identified as Research and Teaching Assistants receive tuition assistance if they meet employment and class enrollment requirements. RA/TA remissions do not cover 100% of tuition and fees. If eligible for a remission, the remaining tuition and fees will be billed on your student account with a **August 25, 2021** due date.

### Differential Tuition and Program Tuition

Certain graduate, undergraduate, colleges and programs assess additional differential tuition and program tuition which differs according to college and/or program. Contact your program advisor for details on these fees or see the [Tuition Estimator](#).

### Excess Hours Tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold of 145 hours are required to pay a tuition surcharge. The tuition surcharge is billed in addition to tuition, program tuition, mandatory fees and class fees. Please see the [Tuition and Fees](#) website for additional information.

### Undergraduate College Fee 1-4

The Undergraduate College Fee is one of four fee categories based on a student's program of study. ASU conducted a comprehensive review of all instructional costs for every program. Programs of study with similar costs were grouped together, and those fees were averaged to determine an amount for each category.

### Special Class, Hybrid, ocourse and icourse Fees

Special class, hybrid, ocourse and iCourse fees are assessed based on enrollment in specific classes. Class fees are published with each class through [class search](#).

### Financial Aid Trust Fee

All students are assessed a mandatory financial aid trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. See the [Tuition and Fees Schedule](#) for additional information.

### Technology Fee

All students are assessed a mandatory technology fee as authorized by the Arizona Board of Regents to fund technology initiatives and improve access on all campuses. See the [Tuition and Fees Schedule](#) for additional information.

### Student Initiated Fee

ASU's student government leaders, on behalf of the students they represent, sought and received ABOR approval for the following Student Initiated Fees. Funding from these fees will be used to enrich the student experience.

#### Student Programs Fee

All students are assessed a mandatory student programs fee as authorized by the Arizona Board of Regents to provide funding for new or enhanced facilities and student support programming. See the [Tuition and Fees schedule](#) for additional information.

#### Recreation Fee

All students are assessed a recreation fee allowing access to recreation facilities on all four ASU campuses. See the [Tuition and Fees Schedule](#) for additional information. Faculty/staff who are attending classes and all online students are not assessed the recreation fee. Please contact the Student Recreation Complex at 480.965.8900 for information on how to become a member.

## Tuition and Fees, cont.

### Health and Wellness Fee

All students are assessed a health and wellness fee as authorized by the Arizona Board of Regents to enhance services for students who seek both preventative and acute care and to expand outreach and wellness education and services.

### Student Service Facility Fee

All students are assessed a Student Services Facility Fee as authorized by the Arizona Board of Regents to provide funding for new and enhanced student service facilities. See the [Tuition and Fees Schedule](#) for additional information.

### Student Athletic Fee

The Student Athletic Fee will fund reinvestment in academic support areas, strengthen undergraduate and graduate academic experiences, and enhance student engagement in athletics, including access to Sun Devil Athletics sporting events and enhanced game day experiences in Sun Devil Stadium, Wells Fargo Arena and other athletic venues. This fee was initiated and supported by Undergraduate Student Government and the Graduate and Professional Student Assembly.

### Late Registration Fee

All students who register for Sessions A & C on **August 12, 2021** and after, will be **assessed a late registration fee of \$50.00**. For Session B, students who register after **October 6, 2021** will be assessed the late registration fee. Registration after the published deadline may be permitted under extraordinary circumstances if approved by an authorized College designee. Late registration fees are not refundable.

### Tuition Receipt

For students requiring tuition receipts for insurance, reimbursement, or other reasons, login to [My ASU](#) and select the "Finances" link on the upper left side, then click the Tuition Receipt link. For in person assistance or additional documentation, see campus locations under "Tuition Payment Hours", page 14.

### Delinquent Financial Obligations

Students with delinquent accounts will not be allowed to register for classes or obtain official transcripts or diplomas. The University reserves the right to involuntarily withdraw students with severely delinquent accounts from current semester courses. University billings not paid by the due date are subject to monthly late charges beginning 30 days past due and continuing monthly until paid in full. The monthly late charge for past due balances between \$20-\$50 is \$5, for balances between \$51-\$400 is \$10, for balances between \$401-\$1,000 is \$25, for balances between \$1,001-\$3,000 is \$50, for balances between \$3,001-\$5,000 is \$75, and for balances greater than \$5,000 is \$100. Former students with outstanding charges may be referred to an outside collection agency with late fee assessment continuing monthly until paid in full.

### Returned Checks

A \$25 fee is assessed for returned checks and eChecks. Students with multiple returned checks or eChecks are subject to a permanent registration hold requiring advanced payment in secure funds prior to registration or access to other University services.

### Student Health Insurance

**Eligibility:** Group Health insurance is available to:

- **Undergraduate students** registered for at least six units or have a consortium agreement to take courses at another qualified college with an overall credit hour total of at least six units
- **Graduate students** enrolled in degree or certificate programs, and taking at least three credit hours or one dissertation/thesis hour

Graduate, Teaching or Research Assistants who are offered insurance as part of their employment must enroll in the insurance, enrollment is not automatic.

Online students are not eligible for the student health insurance.

- **International student** enrollment in Student Health Insurance is mandatory and the cost of insurance is automatically

## Tuition and Fees, cont.

added to registration fees. Waiver exception may be available. For additional information or waiver application <https://eoss.asu.edu/health/resources/international>.

**Student Health Insurance enrollment** is available through [My ASU](#) by selecting Campus Services, Health and Wellness Resources. Once enrolled for Student Health Insurance, you will be automatically re-enrolled into the plan each subsequent semester once you have registered for classes as you must meet the eligibility requirements each semester. The premium will be billed to your student account.

Coverage may be added or dropped through the first 2 weeks of each semester/session. Complete withdrawal from the University on or before the end of this two week period may not result in automatic cancellation of student health insurance. To cancel or add insurance prior to the end of open enrollment, go to MyASU under Campus Services, Health & Wellness Resources. The insurance **cannot** be cancelled if complete withdrawal from the University occurs after this two week period or if the insurance has been utilized. You may also direct questions and concerns to [insurance@asu.edu](mailto:insurance@asu.edu).

Additional information about coverage, eligibility, cost, payment options and coverage can be found at <https://eoss.asu.edu/health> or <https://www.aetnastudenthealth.com>, enter ASU.

### Institutional Refund Policy

#### Tuition and Fees

Tuition and fees are subject to a 100% refund if enrollment is officially cancelled within the refund period. In the Fall and Spring semesters, for classes eight weeks or longer, the refund period is two weeks, and for classes shorter in length the refund period is one week. Please see the [Tuition Refund Policy](#) for additional information.

Beginning the first day of classes, undergraduate students are required to work with the College of their major to facilitate the withdrawal process.

The 100% refund period is one week for sessions shorter than eight weeks and dynamically dated classes. All refunds are less any amounts owed to the University and are subject to payment holding periods. Students withdrawing for medical or other extenuating circumstances must contact their college to initiate the process. Tuition is non-refundable after the first week of these sessions/classes.

The University provides a prorated refund for students receiving financial aid; therefore, the refund schedule is the minimum amount refundable to these students. Withdrawal or cancellation occurs on the calendar day that withdrawal is processed either in person at any Registrar site or online using My ASU. See the [Financial Aid Withdrawal Policy](#) for additional information.

### Student Account Refund (Disbursement)

Financial aid is posted to your student account and used to pay University charges such as tuition, Residential Life, meal plan and health insurance fees. Refunds of excess financial aid will be processed beginning the week before classes and will continue to be processed throughout the semester. Any changes to your schedule that results in a fee increase or any other fees incurred after financial aid disbursement, will be your responsibility to pay by the due date. You may view details of your student account, including financial aid refunds, by logging into [My ASU](#) select the “Finances” link on the upper left side, and select the Refunds link.

**Note: To receive your financial aid refund beginning the week before classes, you must register for classes, complete your financial aid packet, and accept your loans at least two weeks before the semester begins. Financial aid refunds will be mailed or direct deposited to your bank account.**

Refund by direct deposit to your bank account is available and is the most convenient way to receive student account refunds. Direct deposit enrollment is available at My ASU [My ASU](#) by selecting the “Finances” link on the upper left side, and clicking “Direct Deposit” in the Financing Tasks box under “Manage Payments”. Further information is available at [Tuition and Billing](#) or in the Student Accounts Office on the 2nd floor of the Student Services Building (Tempe campus). Direct deposit enrollment must be completed a minimum of two weeks prior to your refund being issued. For students not enrolled in direct deposit, or who do not meet the direct deposit enrollment deadline, refund checks will be mailed. Keep your mailing address up to date to ensure that refund checks are received in a timely manner. View and update your address on My ASU by clicking on “My Profile” in the top-right corner. If you request a replacement check there is a \$20 per check reissue fee. **All student account refund checks will be mailed.**

## Transportation Options

For all transportation-related inquiries, including bicycling on campus, free campus shuttle services, parking permit locations and rates, Valley Metro transit passes and visitor parking, please visit the ASU Parking and Transit Services website at [parking.asu.edu](http://parking.asu.edu).

University Center Suite 116 411 N. Central Avenue Phoenix, AZ 85004	Quad 4 7107 E. Tiburon Mesa, AZ 85212	University Towers 525 S. Forest Avenue Tempe, AZ 85281	North Services Building 4776 W. University Way North Glendale, AZ 85306
480-965-6124	480-965-6124	480-965-6124	480-965-6124

## Campus Maps

Utilizing [www.asu.edu/map](http://www.asu.edu/map) is a great resource for finding your way around any of the ASU campuses, finding public parking, wireless computing zones, buildings and facilities such as bookstores, computer labs, and more. By clicking on the link below, you can use the tabs at the top of the page to see the individual map of each location.

<p><b>Tempe campus, West campus, Polytechnic campus, Downtown Phoenix campus, Research Park, and Skysong</b></p>
<p><a href="http://www.asu.edu/map/interactive/">http://www.asu.edu/map/interactive/</a></p>

## Ombudspersons

While all faculty and staff within the University community serve to facilitate matters, the following individuals have been designated to serve as ombudspersons (impartial fact-finders and problem solvers). They have no power to reverse or change decisions but have conciliation skills to help resolve matters.

<b>Chair</b>	Barzin Mobasher	Ira A. Fulton School of Engineering	480.965.0141
<b>Academic / Student Affairs</b>	Jeffery Banner	The College of Liberal Arts and Sciences	480.965.6505
	Kaylen Cons	Student Services	480.965.5302
	Elaine Rostad	Student Services	602.496.2153
<b>For Online Students</b>	Joseph Chapman	Student Services	480.884.1609
<b>Academic Professionals</b>	Richard Filley	Ira A. Fulton School of Engineering	480.727.5252
<b>Staff Personnel</b>	Michelle Johnson	ASU Gammage	480.965.5062
<b>Tempe Campus</b>	Barzin Mobasher	Ira A. Fulton School of Engineering	480.965.0141
	Leah Doane	The College of Liberal Arts and Sciences	480.965.5289
	Ajith Kumar	W.P.Carey School of Business	480.965.5544
<b>West Campus</b>	Duku Anokye	New College of Interdisciplinary Arts and Sciences	602.543.6020
	Douglas Kelley	Social and Behavioral Studies	602.543.6641
<b>Polytechnic Campus</b>	Jason Bronowitz	The Polytechnic School	623.252.5590
	Ian Moulton	Integrative Sciences and the Arts	480.727.1172
<b>Downtown Campus</b>	Janet O'Brien	College of Nursing and Health Innovation	602.496.1415
	Kevin Ellsworth	College of Integrative Sciences and Arts	480.727.7090
	To be determined		



## University Policies

### Family Educational Rights and Privacy Act

#### General Information

The federal Family Educational Rights and Privacy Act (also known as FERPA, and/or the Buckley Amendment) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

**Note: Students must provide photo identification in order to access their education records.**

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students who believe their record is inaccurate or misleading should write to the University official responsible for the record. Clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing about the request for amendment. Additional information about the hearing procedures will be provided to the student when notified of the right to a hearing.

**Note: FERPA does not address grade disputes or grievances which are pursued through other University and/or college procedures.**

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interest. School officials are administrators, faculty, professional staff, academic advisors, clerical or support employees, including ASU law enforcement unit personnel and ASU health staff, volunteers, a person or company with whom the University has contracted as its agent, acting with legitimate educational interest to provide a service instead of using University employees or officials (such as an attorney, auditor, collection agent, service provider); a person serving on the Board of Regents; staff in the Alumni Association and ASU Foundation offices, or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

Additional exception categories may be found in SSM 107-01: Release of Student Information which is located on the web at <http://www.asu.edu/aad/manual/ssm/ssm107-01.html>

A school official has a legitimate educational interest if the interest in an education record is justified under one or more of the following conditions:

- The information or records requested are relevant and necessary to accomplish some task or determination related to the legitimate educational interest of the student;
- the official needs to review an education record in order to fulfill his or her professional responsibilities for the University;
- the task or determination is an employment responsibility or a properly assigned subject for the inquirer's determination and/or
- the task or determination is consistent with the purpose for which the records, information, or data are maintained.

**Note: A parent of a dependent student may challenge denial of access to the dependent student's record by producing the most current copy of Internal Revenue Form 1040. (Dependency is defined in Section 152 of the Internal Revenue Code.) If that form lists the student in question as a dependent, the parent**



## University Policies, cont.

will be required to sign an Affidavit of Dependency which affirms that the student is his/her tax dependent. The affidavit will be retained by the University Registrar Services and must be renewed each tax year. Upon receipt of these documents, the dependent student records will be made available to the parent as specified under FERPA.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Arizona State University to comply with the requirements of FERPA. Students are encouraged to first contact the University Registrar's Administration Office at 480.965.7302. A complaint may be filed with the Department of Education at the following address:

Family Policy Compliance Office

U.S. Department of Education

400 Maryland Avenue, SW

Washington, DC 20202

### Definitions:

**Student** is any individual formally admitted and is or has been in attendance at ASU. The term does not apply to applicants for admission, nor does it apply to persons who have been admitted but who have not registered.

**Education Record** is any record(s) directly related to a student and maintained by Arizona State University or by a party acting for the University. This includes any information or data recorded in any medium, including, but not limited to: handwriting, print, computer media, video or audio tape, film, microfilm, and microfiche.

**Directory Information** (or releasable information) is general information that may be released to anyone without the consent of the student, unless the student indicates otherwise, except to the extent that FERPA authorizes disclosure without consent, including:

- Student Name
- Addresses (e.g., local, home, mailing and ASU e-mail, including directory number)

- Telephone Number(s)
- Date of Birth
- College
- Major
- Academic Level
- Dates of Attendance
- Enrollment status (e.g., undergraduate or graduate, full-time or part-time)
- Most Recently Attended Institution
- Participation in Officially Recognized Activities/Sports
- Weight/Height of Members of Athletic Teams
- Degrees, Honors and Awards Received (including Dean's List, National Merit, National Achievement, and National Hispanic Scholars)

**Personally Identifiable Information** (or non-releasable information) includes all information not defined as directory information, plus any information including directory information that the student has instructed ASU not to release. Personally identifiable information may not be released without the prior written consent of the student, except to the extent that FERPA authorizes disclosure without consent.

### Student Control of Directory Information

Students may control release of directory information by submitting the appropriate form to any University registration location.

Unless otherwise requested, a student's name, email address, academic level, college and major may appear in the directory of faculty, staff, and students on ASU's web directory. To avoid the release of directory information in the directory, complete the appropriate form located at [students.asu.edu/forms/withhold-directory-information-request](https://students.asu.edu/forms/withhold-directory-information-request).

## University Policies, cont.

ASU has a policy that regulates and permits the sale of enrolled student directory information only through the University Registrar's Office. Unless otherwise directed by the student, directory information is subject to sale to outside purchasers.

Students accessing education records or receiving University services must provide proof of identification.

Questions or requests for additional information may be directed to any University registration location. Additional information, including FAQ's, is available on the web at <http://students.asu.edu/policies/ferpa>.

### **ACD 401: Prohibition Against Discrimination, Harassment, and Retaliation**

Arizona State University is committed to providing an environment free of discrimination, harassment, or retaliation for the entire university community, including all students, faculty member, staff employees, and guests. ASU expressly prohibits discrimination, harassment, and retaliation by employees, students, contractors, or agents of the university based on any protected status: race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, and genetic information.

Inappropriate conduct need not rise to the level of a violation of federal or state law to constitute a violation of this policy and to warrant disciplinary action/sanctions.

All employees, students, volunteers, contractors and agents are responsible for participation in and assisting with creating and maintaining an environment at ASU free from all forms of prohibited discrimination, including harassment and retaliation.

### **ACD 402: Romantic or Sexual Relationship Between Faculty Members and Students.**

### **ACD 815: Romantic or Sexual Relationships Between Staff/Volunteers and Students**

### **TA/RA Handbook: Prohibition of Amorous Relationships**

### **SPP 205: Nepotism and Relationships Between Employees**

No employee of the university may hire, review, supervise, direct, discipline, promote, influence, or participate in decisions involving hire, retention, supervision, promotion, evaluation or compensation of a relative or member of the employee's established household, or a person with whom the employee is in a romantic or sexual relationship.

Additionally, all employees, including Faculty, staff and volunteers as well as TA/RA's are prohibited from engaging in a romantic or sexual relationship with a student over whom they exercise, or can reasonably be expected to exercise, academic or employment authority or influence. Such authority or influence includes, but is not limited to, employment-related decisions such as hiring,

evaluation or discipline, and academic-related decisions such as grading, transfers, evaluations, formal mentoring or advising, supervision of research, employment of a student as a research or teaching assistant, exercising substantial responsibility for honors or degrees, or considering academic disciplinary action involving the student.

### **Title IX Compliance**

Title IX of the Education Amendments of 1972 as amended protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the Title IX Coordinator or to the U.S. Department of Education, Assistant Secretary or both.

ASU is committed to providing an environment free from discrimination based on sex and provides a number of resources and services to assist students, faculty and staff in addressing issues involving sex discrimination, including sexual violence.

Title IX Sexual Harassment, including sexual violence, sexual harassment, stalking and relationship violence have a profound impact on a victim's academic, social, working, and personal life, and negatively affects victims' friends and families, other students, co-workers, and members of the university community. To combat this complex social problem, ASU provides a variety of resources and education programs designed to prevent sexual violence and other acts of sexual misconduct, including sexual harassment, provide information about what to do when an incident has occurred, and increase awareness of campus and community resources for support and response. For information about specific resources, educational opportunities, and policies and procedures, please go to ASU's Sexual Violence Awareness and Response website at:

<https://sexualviolenceprevention.asu.edu/>

### **Discrimination Complaints**

Complaints of alleged discrimination in employment and educational programs and activities on the basis of race, color, religion, national origin, sex, gender identity, sexual orientation, age, disability, and qualified veteran statuses may be referred to the offices listed on the following page for review, investigation and resolution.

### **No Retaliation**

A report of alleged discrimination can be made without fear of jeopardizing the employment or academic standing of an employee or student.

## University Policies, cont.

### File a Report of Discrimination/Harassment or a Formal Complaint of Title IX Sexual Harrassment

Any incidents that include faculty or staff can be reported to the Office of University Rights and Responsibilities (URR). Reporting to URR can be done in addition to reporting to the police for criminal prosecution. File an incident report with the Office of University Rights and Responsibilities at 480-965-5057 or [urr@asu.edu](mailto:urr@asu.edu). Formal Complaints of Title IX Sexual Harassment must be filed with the Title IX Coordinator. A list of all reporting options can be found at: [asu.edu/reportit/](http://asu.edu/reportit/)

Against an ASU Student	Downtown Phoenix	Polytechnic	Tempe & Online Students	West
Contact the office of student rights and responsibilities on your campus:	Post Office, Room 243 602-496-0670	Administration Bldg, Room 102 480-727-5269	Student Services Bldg, Room 263 480-965-6547	University Center Bldg, Room 301 602-543-8152

### File a Criminal Complaint

<b>ASU Police</b>	325 E. Apache Blvd., Tempe, AZ 85287-1812 Emergency: 911 Non-emergency: 480-965-3456
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Additional questions can be directed to:

#### TITLE IX COORDINATOR AND SPECIAL COUNSEL

Jodi Preudhomme, Office of the President  
1120 S. Cady Mall INTDSB Suite 284  
Tempe, AZ 85287  
480.965.0696/480.965.0865 fax  
[TitleIXCoordinator@asu.edu](mailto:TitleIXCoordinator@asu.edu)

## Accommodations for Students with Disabilities

Students with disabilities attending ASU, regardless of location (on site or online), can utilize the Student Accessibility and Inclusive Learning Services. To facilitate access to programs and services at ASU from the first day of classes, students with disabilities should use the following process:

- Register for classes on their assigned Registration Date, and
- Make sure you are registered with the Student Accessibility office
- Request accommodations immediately following enrollment (please note, you need to request accommodations each semester).

**Note:** Some accommodations, including but not limited to: alternative print formats, (e.g., Braille, e-text, large print), interpreting services, lab materials conversions, assistive technology, and the hiring of lab assistants, may require up to one semester in preparation time.

**Returning Students:** Go to <https://eoss.asu.edu/accessibility>, sign into the Student login, Connect to request accommodations for ASU classes.

**New Students:** Go to <https://eoss.asu.edu/accessibility>, select New student registration link and submit a “New Student Application” to initiate your registration with Student Accessibility. Make sure to use your ASURITE username and password. If you have questions, do not hesitate to contact us.

**Contact Information:** You can reach any of our offices by utilizing the information below:

Student.accessibility@asu.edu  
(480) 965-1234

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus & Tucson School of Social Work
Matthews Center, 1st floor	University Center Building, Room 304	Wanner Hall, Room 101	POST 201
Academic Catalog Archive 2021-2022 Monday–Friday / 8:00am–5:00pm			

## Directory of Selected Campus Services, Resources, and Contacts

Campus	Phone	Email	Location	Mailing Address
Tempe campus	480.965.9011	<a href="mailto:askasu@asu.edu">askasu@asu.edu</a>	University Dr. and Mill Ave., Tempe, AZ	See: <a href="http://asu.edu/contactasu/addressing">asu.edu/contactasu/addressing</a>
West campus	602.543.5500	<a href="mailto:westinfo@asu.edu">westinfo@asu.edu</a>	4701 W. Thunderbird Rd., Glendale, AZ 85306	PO Box 37100, Phoenix, AZ 85069-7100
Polytechnic campus	480.727.3278	<a href="mailto:poly@asu.edu">poly@asu.edu</a>	Power Rd. and Williams Field Rd., Mesa, AZ	7001 E. Williams Field Rd, Mesa, AZ 85212
Downtown Phoenix campus	602.496.INFO (4636)	<a href="mailto:askdpc@asu.edu">askdpc@asu.edu</a>	411 N. Central Ave., Phoenix, AZ 85004	See: <a href="http://asu.edu/contactasu/addressing">asu.edu/contactasu/addressing</a>
University Registrar Services				
Campus	Phone	Fax	Location	Mailing Address
Tempe campus	480.965.3124	480.965.7722	Student Services Bldg, Rm 140	PO Box 870312, Tempe, AZ 85287
West campus	602.543.8203	602.543.8312	University Center Bldg, Rm 101	PO Box 37100, Phoenix, AZ 85069
Polytechnic campus	480.727.1142	480.727.1008	Administration Bldg	5990 S. Sterling Mall, Mesa, AZ 85212
Downtown Phoenix campus	602.496.4372	602.496.0376	University Center Bldg, Rm 130	411 N. Central Ave. Ste 130, Phoenix, AZ 85004
Residency Classification				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	480.965.7712	480.727.6630	<a href="mailto:residency@asu.edu">residency@asu.edu</a>	Student Services Bldg, Rm 140 PO Box 870312 Tempe, AZ 85287
Student Business Services				
Department	Phone	Fax	Location	Mailing Address
Collections	480.965.5220	480.965.4587	Student Services Bldg, Rm 234	PO Box 870303 Tempe, AZ 85287-0303
Student Financial Assistance				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	855.278.5080	480.965.9484	N/A	Student Services Bldg, 2nd Floor PO Box 870412 Tempe, AZ 85287
West campus	855.278.5080	480.965.9484	N/A	University Center Bldg, Rm 101 PO Box 37100 Phoenix, AZ 85069
Polytechnic campus	855.278.5080	480.965.9484	N/A	Administration Bldg 5990 S. Sterling Mall Mesa, AZ 85212
Downtown Phoenix campus	855.278.5080	480.965.9484	N/A	University Center Bldg, Rm 166 411 N. Central Ave., Phoenix, AZ 85004
Student Employment Office				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	480.965.5186	480.965.9816	<a href="mailto:seo@asu.edu">seo@asu.edu</a>	Student Services Bldg, 2nd Floor PO Box 870412, Tempe, AZ 85287

## Student Right to Know Act and Higher Learning Commission Data

As part of the federal Student Right to Know Act, institutions receiving Title IV funding are required to disclose certain information, such as completion or graduation rates of degree-seeking, full-time students entering the institution, to current and prospective students. Similarly, the Higher Learning Commission requires that institutions publish student achievement information, such as completion rates, job placement rates or other information useful for current and prospective students. In furtherance of those mandates, the following "Facts About ASU" section provides valuable consumer information about the success of ASU's students.

### Facts About ASU

Arizona State University enjoys a national reputation as a leading research institution. ASU produces more graduates than any other university in the state. Students from around the nation and the world choose ASU because of its diversity and quality of academic, student, and research programs, a beautiful campus setting, and the value of the ASU degree in today's world.

### Academic Environment

ASU offers 206 bachelor's degree programs, 228 master's degree programs, 90 doctoral programs, and one law degree program.

### Undergraduate Students

ASU enrolled 15,161 first-year students for the Fall 2020 semester. **Of the first-year students, 26.7% graduated in the top 10% of their high school class.** The average ACT composite score of full-time first-year student is 24. The average SAT combined score is 1199.

ASU enrolled 13,996 new transfer students for the Fall 2020 semester with 29.6% of the new transfers coming from community colleges in Arizona.

The graduation rate for 2015 lower division transfer students graduating in 5 years or less was 58.2%

The graduation rate for 2016 upper division transfer students graduating in 4 years or less was 71.0%

### Undergraduate Enrollment

ASU enrolled 103,617 undergraduates in the Fall 2020 semes-

ter. Seniors (Seniors: 37,190; Juniors: 28,652; Sophomores: 20,581; Freshmen: 16,492) compose the largest class, representing more than a quarter of the student body and over a third of the undergraduate enrollment. ASU enrolled students from every state and from 117 countries in the Fall 2020 semester.

### Undergraduate Student Profile

42.9% are from ethnic minority backgrounds

4.1% are international students

The average age is 24.

### Graduate Enrollment

ASU enrolled 25,198 graduates in the Fall 2020 semester

### Graduate Student Profile

30.9% are from ethnic minority backgrounds.

18.5% are international students.

### Student Athlete Profile

For information on student athlete graduation rates, please visit the following webpage

<http://www.ncaa.org/about/resources/research/graduation-rates>

### Degrees Awarded

In 2019-2020, ASU awarded 20,308 bachelors, 8,074 masters, 755 doctoral and 252 law degrees.

The graduation rate for 2014 full-time first-year students graduation in six years or less was 66.9%. Information on students who transfer out from ASU is not recorded, therefore is not available.

The six-year graduation rate for 2014 full-time first-year students receiving Pell grants, receiving subsidized Stafford Loans but no Pell grant, and receiving neither Pell grant nor Stafford loan was 58.4%, 63.6% and 72.7% respectively.

### Career and Professional Development Services

ASU's Career and Professional Development Services posts career outcomes data at the following address: <https://career.asu.edu/>

# University policies

## Academic integrity

At Arizona State University, we place great value on the research and scholarship of our students and faculty and are committed to a culture of academic integrity and scholarly ethics. We welcome you into our culture of academic excellence and integrity and hope you will help foster and promote ethical and honest behavior in connection with your scholarly work and interactions with your peers.

Academic integrity video on Youtube [1].

### What is academic integrity?

No matter what stage of your educational or professional career pursuits, acting with integrity is a cornerstone of leadership and good citizenship. Integrity is a character-driven commitment to honesty, doing what is right, and guiding others to do what is right. Arizona State University students and faculty are expected to act with integrity in their educational pursuits.

Academic dishonesty falls into five broad areas that include but are not limited to:

1. Cheating on an academic evaluation or assignment.
2. Plagiarizing [2].
3. Academic deceit, such as fabricating data or information.
4. Aiding academic integrity policy violations and inappropriately collaborating.
5. Falsifying academic records.

It is important that you understand what constitutes a violation of academic integrity. The ASU community is here to help you stay informed and to provide resources to avoid these kinds of violations. Please read ASU's academic integrity policy found here and visit the student resource page found here.

Mostly importantly, if you are not sure if something is really cheating, ask your professors, academic integrity officers, T.A.s or academic advisors.

### ASU student honor code

[Archivist's note: embedded Google slides presentation; no link available]

**Source URL:** <https://provost.asu.edu/academic-integrity>

**Links:**

[1] [https://youtu.be/\\_re07sKys\\_o](https://youtu.be/_re07sKys_o)

[2] <https://provost.asu.edu/academic-integrity/resources/students#avoiding-plagiarism>

## Student honor code

The ASU student honor code affirms the commitment of ASU students to uphold the values, principles, and ethics of academic integrity.

### Honor code

“We, the students of Arizona State University, adopt this code as an affirmation of our commitment to academic integrity and our participation in ethical education.

We embrace our duty to uphold ASU's Honor Code, and in light of that duty,

We promise to refrain from academic dishonesty.

We pledge to act with integrity and honesty and to promote these values among our peers. We agree to always abide by the Sun Devil Way [1] and uphold the values of the New American University [2].”

[Archivist's note: embedded Google slides presentation; no link available]

**Source URL:** <https://provost.asu.edu/academic-integrity/honor-code>

#### Links:

[1] <https://eoss.asu.edu/sundevilway>

[2] <https://newamericanuniversity.asu.edu/about/asu-charter-mission-and-goals>

## Why is academic integrity important?

### Foundational value

Academic integrity is a fundamental value and is paramount to your success as a student. Protecting the ASU community from violations of academic integrity is everyone's responsibility.

### Academic integrity violations negatively impact:

#### You as a student

If you cheat in a course or another academic exercise, you are taking away your opportunity to learn, develop and improve your skills, and obtain an educational degree that reflects your own academic achievements.

#### The ASU community

ASU is an intellectual community focused on teaching, research and the values of the New American University. The creation, transmission, sharing and applying of knowledge are central activities of the community. Cheating violates fundamental values of the university community.

#### Future employers, clients or patients

Cheating can hurt the people you will work with in the future. You are preparing for careers where you will provide services to others — legal, journalistic, medical, research, etc. If you do not learn how to do this work, you have cheated your future employers and clients of a knowledgeable professional.



## Student policy

Why is academic integrity important? video on YouTube [1]

Keon McGuire, Assistant Professor in Mary Lou Fulton Teacher College, shares why academic integrity is important. We want your time spent here at ASU to be enriching, engaging and full of wonderful educational experiences that prepare you for your future.

### What is a violation of the academic integrity policy?

Academic dishonesty falls into five broad areas that include but are not limited to:

1. Cheating on an academic evaluation or assignment.
2. Plagiarizing.
3. Academic deceit, such as fabricating data or information.
4. Aiding academic integrity policy violations and inappropriately collaborating.
5. Falsifying academic records.

### What are the consequences?

At Arizona State University, academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to: appropriate grade penalties, loss of registration privileges, disqualification and dismissal. ASU strictly adheres to the academic integrity policy.

This policy sets forth the ASU Student Academic Integrity Policy and appeal procedures.

[View full policy \[2\]](#)

### Additional policies to be aware of:

#### Student Code of Conduct

Violations of the ASU Student Code of Conduct, other than the provision concerning academic dishonesty, are more generally considered inappropriate behavior. The Office of Student Rights and Responsibilities [3] reviews and sanctions these matters. If a student violates both the academic integrity provision and additional provisions of the Student Code of Conduct, both the college and the Office of Student Rights and Responsibilities will review the matter. Each independently makes determinations concerning violations and appropriate sanctions.

#### Misconduct in research

For graduate students and undergraduates involved in research, there can be overlapping areas between Academic Integrity Policy violations, responsible conduct of research and research misconduct. The five areas listed above describe the kinds of Academic Integrity Policy violations and are handled under the ASU Student Academic Integrity Policy by faculty members, colleges and the provost.

If a student is working on a federally-funded research project, some of these items may also be considered misconduct in research [4]. Misconduct is defined as:

Fabrication, falsification, plagiarism and other practices that seriously deviate from those that are commonly accepted within the academic community for proposing, conducting or reporting research. Instances of honest error and honest differences in interpretations or judgments of data are not considered misconduct. (From RSP 004: Definitions [5])

A student who violates both ASU's Misconduct in Research Policy and Student Academic Integrity Policy will be reviewed by both the college and the Office of Knowledge Enterprise Development's Office of Research Integrity and Assurance [6] (ORIA). Each independently makes determinations concerning violations and appropriate sanctions.

In addition, some actions might be considered violations of the norms of responsible conduct of research, but not Academic Integrity Policy violations or misconduct in research. Many of these incidents fall into the general category of



“collaborator disputes.” For example, if a doctoral graduate of ASU continued a line of research begun at ASU in a new lab external to ASU, and the ASU mentor objected, generally speaking the matter would be addressed as a collaborator dispute, rather than as an Academic Integrity Policy violation or misconduct in research. Many conflicts over appropriate authorship credit on publications also fall into this area.

**Source URL:** <https://provost.asu.edu/academic-integrity/impact>

**Links:**

- [1] [https://www.youtube.com/watch?v=XI\\_LGLFhPPc](https://www.youtube.com/watch?v=XI_LGLFhPPc)
- [2] <https://provost.asu.edu/academic-integrity/policy>
- [3] <https://eoss.asu.edu/dos/srr>
- [4] <http://www.asu.edu/aad/manuals/rsp/rsp210.html>
- [5] <http://www.asu.edu/aad/manuals/rsp/rsp004.html#misconduct>
- [6] <https://researchintegrity.asu.edu/>

## Student policy

At Arizona State University academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to: appropriate grade penalties, loss of registration privileges, disqualification and dismissal. ASU strictly adheres to the academic integrity policy. This policy sets forth the ASU Student Academic Integrity Policy and appeal procedures.

### A. Purpose

1. This Policy sets forth the ASU Student Academic Integrity Policy and appeal procedures. These procedures are designed to encourage a fair and appropriate process for student and faculty to resolve allegations of academic dishonesty. They may be modified in individual cases, so long as the student is provided notice and an opportunity to respond to allegations of academic dishonesty.
2. This Policy does not apply to differences of opinion over grades issued by an instructor.

### B. Definitions

**Academic Deceit** Any deceptive or fraudulent act that creates or attempts to create an advantage or disadvantage for any member of the academic community.

**Academic Evaluation** Any academic assignment, project, paper, performance, quiz, exam, comprehensive exam, candidacy exam, thesis, dissertation, clinical or internship experience, or other evaluation assigned or offered for credit (including extra or optional credit), intended to fulfill an academic requirement, or considered by the University to provide academic or research experience (such as a paid research position).

**Academic Integrity Officer** The person responsible for managing the academic integrity investigation and adjudication process in a College or School. The Academic Integrity Officer works with both the student and Instructor to ensure that all procedures are followed. The Academic Integrity Officer is responsible for guiding both the student and Instructor through the investigation and adjudication process. The Academic Integrity Officer may pursue the academic dishonesty allegation if, for any reason, the Instructor is unable or unwilling to do so.

**Advisor** An individual selected by the student to assist him/her during the academic integrity process. The advisor may be a faculty or staff member, student, or other representative of the student.

**College/School Board** College or School Board is appointed by the academic Dean to review allegations of academic dishonesty. Each College or School Board is a standing committee comprised of faculty members and at least one student.

**University Academic Integrity Hearing Board** Hearing board appointed by the Provost or designee to review allegations of academic dishonesty, typically through student appeals from a College/School Board.

**Instructor** An academic supervisor or any person holding a faculty appointment as defined in the Arizona State University Academic Affairs Manual and is responsible for or authorized to conduct an academic evaluation. The Academic Integrity Officer may take the place of the Instructor throughout this process.

**Day** University business day, not including Saturday, Sunday, any officially recognized university employee holiday, or any day the University is closed.

### C. Student Obligations

1. All students must act with honesty and integrity. ASU believes that any form of Academic Dishonesty negatively impacts not only the student involved but all ASU students. The ASU student honor code affirms this commitment to integrity and can be found here.
2. Academic Dishonesty includes attempting or engaging in the following:
  - a. Academic Deceit;
  - b. Referring to unauthorized materials, sources, or devices (e.g., Internet resources, computer disks, audio recorders, cellular phones, personal electronic devices, text messages, crib sheets, calculators, solution manuals, materials from previous classes, or commercial research services) during an Academic Evaluation;
  - c. Possessing, reviewing, buying, selling, obtaining, posting on a site accessible to others, reviewing materials from a site accessible to others, or using, without appropriate authorization, any materials intended to be used for an Academic Evaluation in advance of its administration;
  - d. Using a substitute or acting as a substitute for another person in any Academic Evaluation;
  - e. Relying on the aid of others, including other students, tutors, or for-hire agents, in connection with any Academic Evaluation to the extent that the work is not representative of the student's abilities;
  - f. Providing inappropriate aid to another person in connection with any Academic Evaluation, including the unauthorized use of materials, cellular phones, text messages, photocopies, notes, or other means to copy or photograph materials used or intended for Academic Evaluation;
  - g. Plagiarism, or the use of another's words, ideas, materials, or work from the Internet or any other source without properly acknowledging and documenting the source. Students are responsible for knowing the rules governing the use of another's work or materials and for acknowledging and documenting the source appropriately.
  - h. Claiming credit for or submitting work done by another or through the unauthorized use of technology;
  - i. Signing an attendance sheet for another student, allowing another person to sign on the student's behalf, or otherwise obtaining credit for attendance for oneself or another without attending;
  - j. Falsifying or misrepresenting hours or activities regarding an internship, externship, field experience, clinical activity, or similar activity; or
  - k. Attempting to influence or change any Academic Evaluation, or academic record for reasons having no relevance to academic achievement.

### D. Academic Dishonesty Investigation and Procedures

1. Anyone with a good faith basis for believing that a student has engaged in Academic Dishonesty may report the alleged violation to the Instructor or Academic Integrity Officer for the college or school in which the Academic Dishonesty occurred.
2. If the Instructor or Academic Integrity Officer conclude that there is a sufficient basis to believe the student engaged in Academic Dishonesty, the Academic Integrity Officer will notify the student of the alleged violation and initiate the investigative process.
3. Before concluding the investigation, the Academic Integrity Officer will provide the student a summary of the information gathered. The student will have 5 business days after the notice was sent to respond on his/her own behalf to the allegation.
4. At any point in the process, the student can contact the Academic Integrity Officer to seek consultation or clarification.

5. The student may be accompanied by an Advisor at any point in the process. The Advisor is not permitted to participate directly or speak for the student.
6. Once the investigation is complete, in consultation with the Academic Integrity Officer, the instructor will recommend a sanction. The student will be notified of the result of the investigation and the sanction to be imposed, if any.

#### E. Sanctions and Appeal

1. The following sanctions may be imposed for Academic Dishonesty:
  - a. Reduced or failing grade for the Academic Evaluation;
  - b. Reduced or failing grade for the course.
  - c. An "XE" grade as described in section K below;
  - d. Withdrawal of credit for a previously accepted course or requirement;
  - e. Suspension from the University for a specific period of time;
  - f. Expulsion from the University without expectation of readmission; and/or
  - g. Other sanctions as consistent with this policy and the Student Code of Conduct: <https://eoss.asu.edu/dos/srr/codeofconduct> [1]
2. At any time, the student and the Instructor may agree on the sanction and inform the Dean. The Dean may reject the proposed resolution and appoint a designee to pursue the case on behalf of the University.
3. The student will also be notified of their right to appeal to the Dean. The student must file their appeal no later than 10 business days after the date the notification was sent. If the student does not file a timely appeal, the sanction is final.
4. A student's appeal of a recommended sanction must be submitted in writing and include the following:
  - a. A description of the alleged academic dishonesty, including a factual narrative of events, the dates and times of occurrences, and any other reason why the sanction should not be imposed;
  - b. The names of persons having information about relevant circumstances or events; and
  - c. The general nature and description of all evidence.
5. If the student files an appeal, the student must meet with the Academic Integrity Officer to discuss hearing procedures. The Academic Integrity Officer will help the student navigate the process and provide additional information when needed.
6. If the student wishes to dispute any aspect of the allegation or sanction, the student may file an appeal. If the student files a timely appeal, the sanction will not be imposed until the appeal is resolved. If the student files an appeal at the end of a semester, or during the last semester of enrollment, the course grade or degree may be withheld until the matter is resolved. If a grade or degree will be withheld for any period, the Academic Integrity Officer or Dean must notify the Registrar's Office.

#### F. College/School Board Hearing

1. The Academic Integrity Officer will forward a student's timely appeal to the Instructor.
2. Pre-Hearing Proceedings
  - a. The Academic Integrity Officer will send a notice of hearing to the student, Instructor, College/School Board, and the head of the College/School/academic unit where the alleged dishonesty occurred. The notice will include the following information:
    - i. Statement of time and place of the hearing before the College/School Board. Unless the parties and Academic Integrity Officer agree otherwise, the hearing will take place during the regular fall or spring semester;
    - ii. A copy of this Policy or instructions on accessing the Policy electronically;
    - iii. Requirement that the parties provide to each other and the College/School Board a written list of witnesses and a description of any documents or other evidence they intend to use at the hearing. Unless the Chair provides otherwise, this information must be exchanged at least 5 business days before the hearing.
    - iv. The length of time set for the hearing, the time limitation for the presentation of evidence, and any other procedural requirements.
3. Conduct of the Hearing
  - a. In order to preserve the confidential nature of the disciplinary process and to protect the privacy of those involved, the hearing will be closed to the public.

- b. The College/School Board Chair will preside at the hearing and will rule upon all procedural matters. The formal rules of evidence will not apply, although objections to the introduction of specific statements or documents may be considered by the Chair. Irrelevant, immaterial, privileged, or unduly repetitious information will be excluded.
  - c. The Instructor shall have the burden of showing it is more likely than not that the student engaged in Academic Dishonesty. The Instructor must also explain the reason for the sanction. If the student accepts responsibility for Academic Dishonesty, then the College/School Board may focus the hearing on the appropriate sanction.
  - d. Information regarding prior violations or informal resolutions of previous allegations may not be used as proof of a current violation, but may be admitted for other purposes, such as to show that the student had prior experience relevant to the allegations or to show that the student had been informed previously that the conduct was unacceptable. The College/School Board may also consider information regarding prior violations in determining an appropriate sanction.
  - e. A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned his/her appeal, unless the student can demonstrate that extraordinary circumstances prevented his/her appearance or participation.
  - f. The student and Instructor may each have an Advisor present, but the Advisors shall not be permitted to address the College/School Board directly, except as the College/School Board Chair deems necessary or appropriate.
  - g. The hearing will be recorded and the student may request a copy of the recording. The student may also request a transcript, but will be responsible for its cost.
  - h. Except as otherwise permitted by the College/School Board Chair, witnesses will be excluded from the hearing except during their own testimony. The Chair may remove a party, Advisor, or witness from the hearing if that person's conduct is disruptive.
  - i. When necessitated by fairness or extraordinary circumstances, the College/School Board may permit the parties to make arrangements for recorded, written, or telephonic testimony from their witness (es) for use in the proceeding.
  - j. The Instructor shall proceed first at each stage of the presentation.
    - i. Each party may present an opening statement, which summarizes what information is expected to be presented.
    - ii. Each party will call witness(es) to provide statements under oath.
    - iii. At the conclusion of each witness's statement, he/she may be questioned by the other party.
    - iv. The College/School Board may ask further questions of each witness.
    - v. Each party may present a closing statement, which summarizes the information that was presented.
4. If the alleged Academic Dishonesty involves the work of multiple students, the College/School Board may modify these procedures to address the circumstances. The College/School Board should provide prior written notice of any modification of the procedures to all parties. Each student must file his/her own appeal. A student who has not filed an appeal should not expect to benefit from another student's appeal.

#### G. College/School Board Deliberations and Recommendations

1. Following the presentation of information and closing statements, the College/School Board will discuss the information that has been presented and the reasonable inferences to be drawn from it. Only the Board, its legal advisor, if any, and the Academic Integrity Officer may be present during the deliberations. Neither the student nor the Instructor may be present during the deliberations.
2. Based solely upon the information presented, the College/School Board will formulate a recommendation to the Dean as to whether the student is more likely than not engaged in academic dishonesty and the appropriate sanction. Recommendations must be supported by a simple majority of the Board.
3. The College/School Board will prepare and send a written recommendation to the Dean within 5 business days of the hearing. The written recommendation will include findings of fact and a statement of the reasons for the recommendation. It will also be signed by the College/School Board Chair. If the recommendation is not unanimous, dissenting opinions should be reflected in the recommendation.

#### H. Review and Decision by Dean

1. After review of the College/School Board's Recommendation, the Dean will render a written decision which affirms, denies, or accepts the College/School Board's recommendation with modifications.
2. The Dean may not make new findings adverse to the student or increase the severity of a sanction, unless
  - a. The Dean provides the student notice and an opportunity to respond to the new findings or sanction, and
  - b. Remands the matter to the College/School Board for further proceedings.
3. The Dean will provide written notice of the decision to the student, the Academic Integrity Officer, the instructor, the College/School Board, and the head of the College/School/academic unit where the alleged dishonesty occurred within 20 business days following receipt of the College/School Board's recommendation. A delay may occur if it becomes necessary to conduct further investigation or to remand the matter to the College/School Board. In those cases, the written decision will be transmitted no later than 20 business days following completion of the investigation or the College/School Board's subsequent recommendation.
4. The Dean's decision is final and may not be further appealed unless the Dean recommends that the Provost suspend or expel the student from the University.
5. If the Dean recommends the suspension or expulsion of an international student, both the student and Academic Integrity Officer should consult with the ASU International Students and Scholars Center.
6. If the Dean recommends that the Provost suspend or expel the student from the University, the letter from the Dean will state that the student may appeal the recommendation by filing a written request for review with the Provost within 10 business days of the date of the letter.
7. If the student does not timely appeal, the Provost or designee will review the Dean's recommendation and issue a final decision on suspensions or expulsions from the University.

#### I. Review and Decision of a Suspension or Expulsion from the University

1. A student may seek to have a Dean's decision reviewed by the University Academic Integrity Hearing Board only if the Dean recommends that the Provost suspend or expel the student from the University. However, a student who failed to appeal or abandoned his/her appeal at the College/School Board hearing may not appeal to the University Academic Integrity Hearing Board.
2. The appeal must be in writing and must be filed with the Provost within 10 business days of the date of the Dean's decision letter.
3. The Provost or designee will appoint and charge a University Academic Integrity Hearing Board to conduct the hearing. The Hearing Board will be comprised of three members. One member must be a student and one of the other members will act as Hearing Board Chair. The hearing shall follow the procedures set forth in the Student Code of Conduct Procedures, except that the College/School will take the role of the Dean of Students and the Provost or designee will take the role of the Senior Vice President for Educational Outreach and Student Services.

#### J. Review and Decision of a Degree or Certificate Revocation

1. Anyone with a good faith basis to believe that an ASU alumnum has engaged in Academic Dishonesty may report the alleged violation to the Office of the University Provost.
2. The Provost's designee will investigate and make an initial determination as to whether there is a sufficient basis to believe that the alumnum engaged in Academic Dishonesty and whether the appropriate sanction includes degree or certificate revocation.
3. If the Provost's designee decides to initiate an Academic Dishonesty complaint, he/she will notify the alumnum of the allegations and provide the alumnum an opportunity to respond.
4. The Dean of the College/School that awarded the degree or certificate may choose to convene an ad hoc committee to review the evidence and make a recommendation as to whether the alumnum engaged in Academic Dishonesty and the appropriate sanction.
5. In cases not involving graduate students, after reviewing the evidence and committee recommendation, if any, the Dean of the College/School that awarded the degree or certificate will render a written decision as to whether the alumnum more likely than not engaged in Academic Dishonesty and the appropriate sanction.
6. In cases involving graduate students, after reviewing the evidence and committee recommendation, if any, the Dean of Graduate College in consultation with the Dean of the College/School that awarded the graduate degree

or certificate, will render a written decision as to whether the alumnum more likely than not engaged in Academic Dishonesty and the appropriate sanction.

7. If the Dean recommends that the Provost revoke a degree or certificate, the letter from the Dean will state that the alumnum may appeal the recommendation by filing a written request for review with the Provost within 10 business days after the date the notification was sent.
8. If the alumnum does not timely appeal, the Provost or designee will review the recommendation and issue a final decision.
9. If the alumnum files a timely appeal, the Provost or designee will establish a University Academic Integrity Hearing Board to conduct the hearing. The hearing shall follow the procedures set forth in the Student Disciplinary/Grievance Procedures, except that the College/School will take the role of the Dean of Students and the Provost will take the role of the Senior Vice President for Educational Outreach and Student Services.

#### K. XE Grade

1. The XE grade will be recorded on the student's official and unofficial transcript with the notation "failure due to academic dishonesty." The XE grade shall be treated in the same way as an E for the purposes of grade point average and determination of academic standing.
2. No student with an XE grade on his/her transcript shall be permitted to represent the University in any extracurricular activity or to run for or hold office in any recognized student organization.
3. Generally, the XE grade will remain on the transcript permanently. For other cases, after at least 12 months have elapsed since the XE grade was imposed, the student may file a written petition to the Dean to have the XE grade removed and replaced with an E grade. The decision to remove the XE grade and replace it with an E grade is within the discretion and judgment of the Dean.
4. Before replacing an XE grade with an E grade, the Dean may confer with other University officials and may require the student to attest that he/she has not been involved in any other act of academic dishonesty or similar disciplinary offense at ASU or another institution. If the student's representation is later discovered to be false, the Dean may reinstate the XE grade and recommend suspension or expulsion.

#### L. Procedures Following Final Decision

1. If any student work affected by the finding of Academic Dishonesty has been placed in the library or forwarded to a third party in partial fulfillment of degree requirements, that work may be removed from the library or withdrawn from the third party.
2. A student's official and unofficial transcript may reflect that an XE grade, suspension from the university, expulsion from the university, or degree or certificate revocation was the result of Academic Dishonesty.
3. One year after the completion of a suspension for Academic Dishonesty, a student may petition to have the notation of suspension for Academic Dishonesty removed from his or her transcript. The student must submit a written petition to the Provost which summarizes his or her academic and personal history since the suspension which justifies removing the notation. The decision to remove the notation that the student was suspended for Academic Dishonesty is within the sole discretion and judgment of the Provost.
4. A notation of expulsion from the university or degree or certificate revocation resulting from Academic Dishonesty is permanent.
5. A degree may be revoked if its requirements were not adequately fulfilled.
6. If a degree is revoked and a transcript was forwarded to another institution, ASU will notify the institution of the revocation.

#### M. Other University Policies

The University's Misconduct in Research Policy is independent of the Student Academic Integrity Policy and the Guidelines for Graduate Appeals. Individual conduct may also violate and be subject to review and sanctions under these policies.

Academic Integrity Policy [2] (PDF)

**Source URL:** <https://provost.asu.edu/academic-integrity/policy>

**Links:**

[1] <https://eoss.asu.edu/dos/srr/codeofconduct>

[2] <https://provost.asu.edu/sites/default/files/academic-integrity-policy.pdf>

## Meet your academic integrity officer

The Academic Integrity Officer for a college/school serves as the lead educator for faculty and students to sustain a culture of academic integrity at ASU and to increase awareness of the university's academic integrity policy [1].

Both students and faculty can contact the Academic Integrity Officer for your College/School to report an academic integrity violation or to ask questions related to academic integrity policies and procedures.

Meet some of your academic integrity officers in this video. They are here for you. They will help you find an answer that avoids problems with academic integrity. We invite you to meet with your academic integrity officer and know who they are.

Meet Your Academic Integrity Officer video on Youtube [2].

## Academic integrity officers

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**Source URL:** <https://provost.asu.edu/academic-integrity/officers>

**Links:**


- [1] <https://provost.asu.edu/academic-integrity/policy>
- [2] <https://youtu.be/wV9MccsROrM>
- [3] <https://isearch.asu.edu/profile/1051194>
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- [18] <mailto:justin.harding@asu.edu>
- [19] <https://isearch.asu.edu/profile/761062>
- [20] <mailto:katherine.kenny@asu.edu>
- [21] <https://isearch.asu.edu/profile/516336>
- [22] <mailto:catherine.kerrey@asu.edu>
- [23] <https://isearch.asu.edu/profile/972563>
- [24] <mailto:Joanna.Duke@asu.edu>
- [25] <https://isearch.asu.edu/profile/1586380>
- [26] <mailto:nicholas.maddox@asu.edu>
- [27] <https://isearch.asu.edu/profile/207603>
- [28] <mailto:ida.malian@asu.edu>
- [29] <https://isearch.asu.edu/profile/1320122>
- [30] <mailto:carrie.robinson@asu.edu>
- [31] <https://isearch.asu.edu/profile/968601>
- [32] <mailto:Amanda.A.Smith@asu.edu>
- [33] <https://isearch.asu.edu/profile/2603916>
- [34] <mailto:Mary.Teagarden@thunderbird.asu.edu>
- [33] <https://isearch.asu.edu/profile/97026>
- [34] <mailto:Tamara.underiner@asu.edu>
- [35] <https://isearch.asu.edu/profile/721880>
- [36] <mailto:thomas.t.williams@asu.edu>

## Student resources

Over the course of your academic journey here at Arizona State University, you will be challenged to continually build upon your skills and academic abilities. At times, pressure and stress can arise from balancing busy schedules, academic commitments, and personal commitments. In these moments of adversity, it's important that you make ethical decisions and uphold a high standard of integrity for you and for others.

### Behavior and actions

#### What does Sun Devil integrity look like?

To see the behaviors and actions of Sun Devil Integrity, view the infographic below or  download the PDF [1].



# Sun Devil Integrity



## Engages in learning

Chooses to engage in learning in college courses to fully understand the content so he/she can be a knowledgeable professional when entering the career world.



## Takes notes

Diligently takes notes during class and during readings to begin preparing for exams. Studies his/her own notes, making flashcards and study materials, without seeking shortcuts.



## Reports cheating

Reports cheating to the department's academic integrity officer.



## Studies diligently

Studies for exams and assessments diligently and well in advance of exam day. Collaborates with classmates to study for exams by quizzing each other, but completes the exams entirely by himself/herself.



## Cites sources

Cites all sources that are referenced, paraphrased, and/or quoted in full or in part, using appropriate source citation (such as APA or MLA format).

## Avoids cheating



Avoids online or contract cheating websites where offers to complete college coursework, in full or in part, are made.



## Completes tasks

Breaks long papers into parts (bibliography, outline, introduction, body, conclusion, and further sub-parts) to complete the task in stages ahead of deadlines.



## Works in advance

Works in advance of assignment deadlines to plan out projects and papers, and create a checklist and a study plan with a daily or weekly schedule.



## Encourages others

Encourages classmates to do their own work and to learn materials so they can be knowledgeable aspiring professionals.



## Respects Honor Code

Treats instructors and classmates with respect and upholds the ASU Student Honor Code.



**ASU** Arizona State University

## Academic integrity at ASU tutorial

The Academic Integrity at ASU tutorial [2] also will walk you through the importance of academic integrity. Upon completion of the tutorial you will be able to:

- Describe the five types of academic integrity
- Identify the do's and don'ts of academic integrity at ASU

- Recognize the consequences of academic dishonesty

## Strategies

### Strategies for how to complete your work with integrity

**Be informed:** Understand ASU's expectations regarding academic integrity by understanding the Academic Integrity Policy [3] and Student Code of Conduct [4].

**Ask questions:** If you are not sure if something is really cheating, ask your professors, T.A.s, academic integrity officers, or academic advisors.

**Seek tutoring:** Ask your professors and others in your department for help in finding academic support. Help is available from the following sources:

- On-campus, in-person writing support [5]
- Online support for citations and style manuals [6]
- Tutoring and academic success resources [7]

**Stay healthy:** Checkout the Live Well at ASU [8] webpages to obtain information, resources and involvement opportunities found in each element are designed to positively impact your academic performance, personal well-being and assist you in reaching your full potential.

## Avoiding plagiarism

Plagiarism may be the most common form of academic dishonesty and is often unintentional. Protect yourself by understanding how to avoid plagiarism at Arizona State University using the following resources.

### What is plagiarism?

#### Defining plagiarism

Acts of plagiarism can be glaringly obvious or very subtle. Understanding plagiarism, with all of its intricacies and nuances, provides a foundation of knowledge one can use to make sound decisions and avoid getting caught up in a plagiarism scandal—whether intentional or unintentional.

#### Document sources appropriately

Lapses in one's technique for paraphrasing ideas, quoting information or citing sources can make way for accusations of plagiarism. Make it a point to learn how to integrate the ideas of others and to document the sources of "borrowed" information appropriately. View citation styles [6].

#### Avoiding unintentional plagiarism

Keeping track of the deluge of notes and source material can become a mind-boggling undertaking, and mistakes can lead to unintentional plagiarism. Learn about web-based citation management tools at ASU Library's Citation Management Tools [9] library guide.

## Self-plagiarism

Quoting words or borrowing ideas without reference to the author is a problem, even if you happen to be the author.

### Same story – different outlets

You cannot:

- submit the same paper for different classes.
- use sections of your previous work for a comp exam answer.
- expand on your master's thesis for your dissertation.
- submit the same research article to different journals.

Learn more about the complicated issue of self-plagiarism. Talk to your Academic Integrity Officer about what this means for you.

### Recycling is not always good

Not when it comes to your own words. Many researchers use the same literature, research methods or analyses across studies and find it time consuming to write new versions of these sections. Yet blind journal reviewers or electronic cross-checking may indicate you are plagiarizing. Take the time to rephrase and remember you need to cite yourself.

### Avoid salami-slicing

Or publishing multiple studies from the same data set. You may need to reduce a complex set of distinct hypotheses into separate papers. If so, let the readers know you did this. If the slices can be combined to make a whole, then it is better to go with the whole salami. To learn more about the nuances of “salami-slicing” in your discipline just pop this term into Google scholar and it will open your eyes.

### Self-plagiarism resources

1. Bretag, T. & Mahmud, S. (2009). Self-Plagiarism or Appropriate Textual Re-use? *Journal of Academic Ethics*, 7:193–205  
<http://www.springerlink.com.ezproxy1.lib.asu.edu/content/256280445158v940/> [10]
2. Scanlon, P. M. (2007). *Song From Myself: An Anatomy of Self-Plagiarism*. vol. II. Ann Arbor, MI: Scholarly Publishing Office, University of Michigan Library  
<http://hdl.handle.net/2027/spo.5240451.0002.007> [11] retrieved July 2010

## Plagiarism tutorial

Take the Plagiarism Awareness: Don't Stumble Into it Accidentally! [12] tutorial. Upon completion of the tutorial you will be able to:

- Define and recognize plagiarism.
- Explain the importance of citation in the scholarly environment.
- Demonstrated strategies to avoid unintentional plagiarism.
- Recognize and explain the consequences of plagiarism.

## Resources for citations

Visit the ASU Library citation styles [13] webpage as a reference for citing resources appropriately using APA, MLA, Chicago, or other citation-style guidelines. The site also offers exercises to help you practice the appropriate use of citations.

## Contract cheating

### Definition of contract cheating

Contract cheating is a type of academic dishonesty where a student asks another person to complete all or part of their work for them. The student may ask someone they know to write a paper for them, as a favor, or they may pay someone

to do it. Regardless of whether money changes hands or not, presenting someone else's work as your own is always cheating.

### **What are some of the ways contract cheating negatively impacts you and the ASU community?**

There are numerous ways in which contract cheating negatively impacts you, your fellow students, and the ASU community. Here are a few:

- You do not acquire any of the knowledge that your instructor intended for you to learn when you have someone else do your work. By doing so, you are taking away your opportunity to grow as a student and professional contract cheating is a very serious academic integrity violation which could result in suspension or expulsion permanently from the University.
- Students who complete their work on their own are disadvantaged by students who are cheating.
- When you ask someone to do work for you, you are asking them to cheat on your behalf. Your request for their help will lead to negative consequences for them as well.

### **What are some things I can do if I am overwhelmed and notice that I am becoming tempted by contract cheating?**

Part of the learning process as a college student is to work your way through challenging times in an honest and ethical manner. Spending time prioritizing your assignments and engaging in good time management practices is ideal. However, you may still experience times where you feel overwhelmed by multiple deadlines and projects.

There are resources to support you:

- Communicate and/or meet with your instructor.
- Schedule an appointment to talk to your advisor.
- Meet with the Academic Integrity Officer [14] in your college/school.
- Utilize your college/school tutoring resources.
- Utilize the ASU resources [15] offered from the Dean of students' office.
- Contact the ASU First Year Success Center [16].
- Contact the International Students and Scholars Center [17].

Remember, it is better to do poorly on an assignment or even fail an examination than it would be to commit an academic integrity violation. The skills you develop working through challenging situations, enhances your resiliency and makes you an even more effective college graduate.

**Source URL:** <https://provost.asu.edu/academic-integrity/resources/students>

#### **Links:**

[1] <https://provost.asu.edu/sites/default/files/academic-integrity-infographic-11x17-web.pdf>

[2] <https://www.asu.edu/lib/tutorials/storyline/academic-integrity/>

[3] <https://provost.asu.edu/academic-integrity/policy>

[4] <https://www.asu.edu/studentaffairs/studentlife/srr/>

[5] <https://tutoring.asu.edu/student-services/writing-centers>

[6] <https://libguides.asu.edu/citing>

[7] <https://students.asu.edu/academic-success>

[8] <https://wellness.asu.edu/>

[9] <https://libguides.asu.edu/CitationManagement>

[10] <http://www.springerlink.com.ezproxy1.lib.asu.edu/content/256280445158v940/>

[11] <http://hdl.handle.net/2027/spo.5240451.0002.007>

[12] <https://www.asu.edu/lib/tutorials/storyline/plagiarism-awareness>

[13] <https://libguides.asu.edu/c.php?g=263988&p=1762933>

[14] <https://provost.asu.edu/academic-integrity/officers>

[15] <https://eoss.asu.edu/resources>

[16] <https://fys.asu.edu/>



[17] <https://issc.asu.edu/>

## Attendance

The instructor has full authority to decide whether class attendance is required.

**Source URL:** <https://catalog.asu.edu/attendance>

## Failure to participate in classes (EN grade)

Participation in your classes is critical for your academic success and your financial aid eligibility.

### What is academically related participation?

The following are some guidelines from the U.S. Department of Education which define participation in academically related activities:

- Physically attending a class where there is opportunity for interaction between instructor and students;
- Submitting an academic assignment;
- Taking an exam, an interactive tutorial, or computer assisted instruction;
- Attending an institution assigned study group;
- Participating in an online discussion on academic matters;
- Initiating contact with a faculty member after the course has begun to ask a question related to the academic area being studied in the course.

Note: Logging into an online class is not sufficient, by itself, to constitute participation in an academically related activity.

### What happens if I don't participate in my classes?

Federal and institutional rules require ASU to review financial aid eligibility when a student fails for non-participation (EN grade) in their classes. This results in a reduction to the amount of aid you were eligible to receive. If you received all EN grades all of your financial aid will be canceled. Federal funds are returned to the U.S. Department of Education on your behalf. Any reduction or cancellation to your financial aid results in a charge on your ASU student account. This also impacts your Satisfactory Academic Progress [1].

**Source URL:** <https://students.asu.edu/policies/failure-participate-classes-en-grade>

#### Links:

[1] <https://students.asu.edu/policies/satisfactory-academic-progress>

## Distance education complaint procedure

ASU is committed to the success of each student and strives to resolve issues that may arise. All ASU distance education students should attempt to resolve complaints with the university through the university process first before contacting external agencies.

Available processes and links to policies and contacts are listed below.

## University process

ASU greatly values the student experience and expects all students to adhere to the Student Code of Conduct [1]. Please refer to the Student Code of Conduct for student expectations and rights.

When an issue is brought to our attention, ASU takes appropriate action to seek resolution.

### Academic issues

For academic concerns, a student is encouraged to first speak with the course instructor. If an issue cannot be resolved at that level, a student may contact the appropriate college or school for guidance on how to proceed. Please refer to our list of colleges and schools [2] for more information.

### Non-academic issues

For non-academic concerns, please contact the Dean of Students [3]. The Office of Student Rights and Responsibilities is responsible for reviewing and handling student disciplinary incident reports.

## Non-academic issues not resolved by the university process

ASU is an institutional participant of the State Authorization Reciprocity Agreement (SARA). If an issue has not been satisfactorily resolved through the university's internal process, a distance education student may submit a non-academic complaint to the Arizona SARA Council by filing a complaint form [4].

Instructional complaints, such as grade grievances, are not reviewed by the council and should not be submitted for resolution.

Students located in American Samoa, California and Guam may not submit a complaint to the council. These territories and states do not participate in SARA.

## Other agencies

A student may contact higher education regulatory agencies, accrediting agencies or consumer protection agencies for specific issues that are unresolved through the university process.

### Arizona Board of Regents

If an issue submitted by a student is unresolved and involves a complaint arising under state law, an Arizona Board of Regents policy or any other matter, the student may contact the Arizona Board of Regents [5] (in accordance with 75 Fed. Reg. 66865-66, October 29, 2010).

### Accrediting agencies

ASU is accredited by the Higher Learning Commission (HLC) [6]. If an issue is unable to be resolved through the university process, a student may follow the HLC complaint process [7].

For specialized accreditation, please see this page [8].

### Consumer protection agencies

A student located outside of Arizona may share an unresolved concern with the appropriate agency where the student is physically located. Please refer to our state authorization page [9] for consumer protection agency contact information by state.



**Source URL:** <https://asuonline.asu.edu/about-us/policies/>

**Links:**

- [1] <https://eoss.asu.edu/dos/srr/codeofconduct>
- [2] <https://www.asu.edu/about/colleges-and-schools>
- [3] <https://eoss.asu.edu/dos/srr/filingreport>
- [4] <https://azsara.arizona.edu/content/complaint-process>
- [5] <https://www.azregents.edu/>
- [6] <https://www.hlcommission.org/>
- [7] <https://www.hlcommission.org/Student-Resources/complaints.html>
- [8] <https://provost.asu.edu/accreditation/programs-specialized-accreditation>
- [9] <https://asuonline.asu.edu/about-us/authorizations/>

## Enrollment and degree verification

Arizona State University is frequently asked to certify a student's earned degrees and/or enrollment status (full-time, part-time, etc.). Enrollment status is determined by the number of credits for which a student is enrolled during the term in which certification is requested. Courses a student has withdrawn from are not included. Note that classes taken for audit are included in total enrolled hours.

### How to obtain an enrollment or degree verification

1. Log in to My ASU [1] and navigate to the **My Classes** box
2. Select **Grades & Transcripts**
3. Select **Transcripts & Test Scores**
4. Select **Enrollment Verification**

You will be able to select from several options including your major, earned degrees, and semester and cumulative GPA, and print out the Enrollment Verification as a PDF.

If you need special information on your Enrollment Verification, or if you need a specialty verification form completed such as the Canadian or Alaskan form, submit an Enrollment Verification Request [2] form at any University Registrar Services location [3] (photo ID required for in-person visits). Requests by email, mail or fax **must** include the student's verifiable signature. Please allow up to two business days for processing.

For students that attended the **Thunderbird School of Global Management prior to December 31, 2014**, information on how to obtain verification of your Thunderbird coursework or degree can be found here [4].

If you have questions or need additional information, please contact University Registrar Services, Records & Enrollment Services at registrar@asu.edu [5].

### Enrollment and degree verification for outside agencies and third parties

ASU has contracted with the National Student Clearinghouse [6] to process all enrollment and degree verification requests for employers, employment agencies, background search firms, and various other businesses that offer products or services based on the individual's status as an enrolled student.

- If you need assistance, contact National Student Clearinghouse [6] directly at 703-742-4200.
- If the National Student Clearinghouse can confirm the degree or enrollment, the response is immediate and requestors will be able to print or obtain a PDF version of the verification.
- Enrollment verifications for each term will be available starting the first week of classes for that term.
- A fee will be charged for this service.

### Full-time and half-time credit requirements for enrollment verification purposes

#### Fall & spring semesters

Status	Undergraduate	Graduate
Full time	12+ credit hours	9+ credit hours
3/4 time	9 - 11 credit hours	7 - 8 credit hours

Half time	6 - 8 credit hours	5 - 6 credit hours
Less than half time	1 - 5 credit hours	1 - 4 credit hours

## Summer sessions

Status	Undergraduate	Graduate
Full time	4+ credit hours	3+ credit hours
Half time	2 - 3 credit hours	2 credit hours
Less than half time	1 credit hour	1 credit hour

**Research and Teaching Assistants:** For fall and spring semesters research and teaching assistants must be enrolled in at least six credit hours to be considered full time. For summer sessions they must be enrolled in at least two credit hours to be considered full time and one credit hour to be considered half time.

**Financial Aid Recipients:** Full-time and half-time credit requirements may be different for financial aid disbursement purposes. Please review the Award Disbursement Rules [7] to determine the required enrolled hours needed for financial aid disbursement.

## Co-operative education

Students are required to be enrolled in a designated co-op course within their college for a minimum of one credit hour during the co-op semester. Co-op students will be identified for enrollment verification purposes as being in full-time status. This will include verification to the National Student Clearinghouse for loan deferment purposes. The co-op experience must meet the clock time in hours of work to meet the full-time enrollment requirement, as monitored by the student's college. A credit hour is defined as a minimum of 45 clock hours. Please review the Award Disbursement Rules [7] to determine the required enrolled hours needed for financial aid disbursement.

**Source URL:** <https://students.asu.edu/enrollment-verification>

### Links:

[1] <https://webapp4.asu.edu/myasu/>

[2] <http://students.asu.edu/forms/enrollment-verification>

[3] <http://students.asu.edu/contact/office-university-registrar>

[4] [https://asu.secure.force.com/kb/articles/FAQ/How-Do-I-Request-Thunderbird-School-of-Global-Management-Enrollment-and-Degree-Verification/?q=thunderbird+enrollment&l=en\\_US&fs=Search&pn=1](https://asu.secure.force.com/kb/articles/FAQ/How-Do-I-Request-Thunderbird-School-of-Global-Management-Enrollment-and-Degree-Verification/?q=thunderbird+enrollment&l=en_US&fs=Search&pn=1)

[5] <mailto:registrar@asu.edu>

[6] <http://www.studentclearinghouse.org/>

[7] <https://students.asu.edu/policies/census>

# Glossary of academic terms

## University Academic Good Standing (Undergraduate) [1]

2.00 cumulative GPA

- College-specific academic good standing rules can be developed. Example: W. P. Carey Academic Good Standing. Use the college name in a policy title to differentiate it from university policy.

## University Academic Warning

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester (fall or spring) is considered to be in the status of University Academic Warning.

## University Academic Probation [2]

An undergraduate student is placed on University Academic Probation if, at the end of a semester (fall or spring) that is not the student's first semester at ASU, the student has a cumulative GPA of less than 2.00, or the student received an academic warning in the prior term.

- Colleges may establish specific criteria for their own Academic Probation status, to be defined as "College Name" Academic Probation. The college Academic Probation status may take the place of University Academic Probation but may not replace the University Academic Warning. Example: Fulton Schools of Engineering Academic Probation.

## University Continuing Academic Probation [2]

A student is said to be on University Continuing Academic Probation each semester (fall or spring) that student (previously on University Academic Probation) earns a semester GPA greater than 2.00, but yet has a cumulative GPA of less than 2.00.

- Colleges may establish individual time limits and specific semester GPA requirements for Continuing Academic Probation, to be defined as "College Name" Continuing Academic Probation.

## Co-enrolled Continuing Probation Program [3]

Select disqualified students may participate in the Co-enrolled Continuing Probation Program at the discretion of their college or school. Under this program, the student takes UNI 220 Academic Refresher plus one ASU course selected by the student's advisor, and the student co-enrolls at a Maricopa Community College with a schedule selected in consultation with the ASU advisor. If, upon completion of the term, the student has a combined semester cumulative GPA of 2.50, the student may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

## Ineligible

A student who is in University Academic Good Standing, but is ineligible to remain in their major based on college specific academic requirements. This status was phased out during the 2015-2016 academic year with new tracking requirements and University Academic Good Standing policies.

## Disqualified [4]

A student on University Academic Probation who does not earn a semester GPA of 2.00 or greater (fall or spring) will be disqualified. Students who are disqualified are not permitted to enroll at ASU in any subsequent fall or spring semester unless they are readmitted.

## Satisfactory Progress [5]

This term is used in different ways for students, such as with regard to financial aid, sponsored international programs, athletics and veterans' benefits. Satisfactory Progress is a complex calculation specific to major and situation. This term does not refer to Academic Standing.

## Progression [5]

This term refers to how a student meets milestones and degree requirements in movement toward achieving degree completion. This term does not refer to Academic Standing.

**Reinstatement [6]**

A student who has previously been academically disqualified and seeks to return either for a fall or spring semester a) immediately or b) after a period of absence and has met college admissions standards.

**Quick Re-entry [7]**

The term Quick Re-entry refers to a streamlined process in which students do not need to submit a new application or application fee if they are undergraduate degree-seeking students who previously attended ASU but have not been enrolled at ASU for up to seven consecutive fall or spring semesters. Students absent on military deployment, on service for official church missions, for foreign aid service of the Federal government or for permanent disability reasons should follow Leave of Absence [8] procedures.

**Readmitted [7]**

Students not eligible for Quick Re-entry (i.e., because they have not been enrolled at ASU for seven or more semesters, completed their academic program or were academically disqualified), must apply for readmission and submit applicable fees. Candidates for readmission who are not in academic good standing are subject to college review. A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible.

**eAdvisor [9]**

A suite of tools used to monitor student progression towards degree completion including Degree Search, major maps and the tracking of critical and necessary requirements (8 semester tracking application).

**Major Map**

A major map is an eight-semester, optimal course plan that outlines a recommended sequence of courses, enabling full-time students to graduate in four years. The major map is posted on a student's My ASU in the My Programs box under Degree Progress.

**eAdvisor Tracking**

ASU's eAdvisor Tracking outlines critical courses, GPA requirements and milestones that predict success in each major and tracks students' progress toward meeting them. Sometimes called 8 Semester Tracking, or Critical Tracking, eAdvisor Tracking evaluates how a student's completed courses meet degree requirements in a specific term. Includes both critical and necessary courses. Also refers to the student application for viewing all major map requirements and progression towards meeting those requirements (personalized major map).

**Critical Requirement [10]**

As identified on the major map, as a curricular or non-curricular degree requirement that the faculty have identified as critical predictors of success in a specific major. Critical requirements can be courses, grades, GPAs or non-curricular requirements such as submitting a fingerprint clearance card. Critical Requirements appear in terms 1-4.

**Necessary Requirement**

As identified on the major map, as a curricular or non-curricular degree requirement that the faculty have identified as necessary for timely completion of degree requirements. Necessary requirements appear in terms 5-8.

**Off Track**

A student who has not met one or more critical requirements as stated in terms 1-4 of their major map in a given fall or spring semester.

**Twice Off Track**

A student who has not met one or more critical requirements as stated in terms 1-4 of their major map in two consecutive fall or spring semesters.

**On Track**

A student who has met all critical requirements identified in terms 1-4 of the major map in the current term and previous terms against which they are being evaluated (as identified in the major map).

**On Track to Graduation**

A student who has met all necessary requirements (terms 5-8) in the current term and necessary or critical requirements in previous terms against which they are being evaluated (as identified in the major map).

**Off Track to Graduation**

A student who has not met one or more necessary requirements (terms 5-8) as stated in their major map in a given fall or spring semester.

**Academic Status Reports**

ASRs allow faculty to provide weekly feedback to students regarding class performance. Through My ASU [11] students see an indicator notifying them that they have received an ASR, which can include suggested follow-up items and information about academic resources so that they can get the help they need to be successful.

**Academic Support Team**

Each student has an academic advising committee that helps them set personal academic goals, understand policies and create strategies for staying on track towards graduation. The committee is listed on the student's My ASU page. Also included is information about how advising services work in the student's department, how to get answers to advising questions and how to make an appointment with an advisor.

**Milestones**

A curricular or non-curricular requirement that needs to be completed by a specific point in time. Examples: portfolio review or audition.

**Progress Reports**

Progress reports from eAdvisor allow students to track their progress through audits available on My ASU [11]. The DARS Graduation Audit outlines a complete list of degree requirements, including university graduation requirements, General Studies and major requirements. The DARS Graduation Audit is the official record used to verify degree completion. A major map is an eight-semester, optimal course plan that outlines a recommended sequence of courses, enabling full-time students to graduate in four years.

In addition to traditional progress reports, eAdvisor students can run a critical requirement audit and view their tracking status in My Major Map at any time during the semester. My Major Map, also available on My ASU, provides students the ability to track how their courses are meeting degree requirements as well as their progress toward completing other critical requirements (GPAs and milestones required to stay on track). A student's record may change multiple times during the semester because of dropped courses, transferred credit, completed milestones or changed majors. The system accounts for changes to student records and updates eAdvisor status, My Major Map and the DARS Graduation Audit nightly.

**Priority Tasks**

eAdvisor places important notes and reminders in the Priority Tasks box on students' My ASU page. If students become off track, an advising hold is placed on their record. While they may drop and withdraw from a course, they will not be able to add courses to the current semester. Students with off-track status will not be able to register for future fall and spring semesters until they have contacted their advisor and discussed strategies for getting back on track. The advisor will then remove the hold. Other tasks, from student support areas such as Financial Aid and the Registrar's Office will also appear in this box.

**Concurrent Degree [12]**

Internal to the university, two degrees, same level, same time, and may include some shared courses. Concurrent degrees can either be preapproved combinations or unique combinations added by the student via petition. Examples: JD/PhD or BS/BSE. Two diplomas are awarded.

## Multiple Concentration

Internal to the university, one degree awarded, same level, same time, some shared courses. For undergraduate degrees with multiple concentrations, students may not share coursework between the core concentration curricula. Multiple concentrations are typically added by petition. Example: Business (Global Leadership), BA and Business (Sustainability), BA.

## Joint Degrees

Joint programs, or jointly conferred degrees, are a single program of study offered by more than one college at ASU that provide opportunities for students to take advantage of the academic strengths of two academic units. Upon graduation, students are awarded one degree and one diploma conferred by both colleges. Both colleges will appear on the transcript and diploma.

## Dual Degree

An offering that is both internal and external to ASU. The student pursues two degrees simultaneously, one with ASU and one with an external institution. Example: ASU and Mayo Clinic.

## Accelerated bachelors/masters (4 + 1) [13]

The 4+1 accelerated bachelor's and master's degrees are designed by the academic units to provide select high-achieving undergraduate students with the opportunity to combine advanced undergraduate coursework with graduate coursework to accelerate graduate degree completion. These programs allow accelerated students to obtain a bachelor's degree and a master's degree within five years. These programs are preapproved combinations and are internal to ASU.

## Accelerated bachelors/masters degree (3 +2)

A preapproved pathway to achieving a bachelor's degree and a graduate level degree in five years. These are pre-established relationships, typically with international institutions.

## Experiential Learning

Experiential learning such as internships and co-ops are integral to the preparation of an ASU graduate.

- An **internship** is a structured practical experience which allows students to gain work-based skills with the possibility of earning academic credit. Students follow a contract or a plan and are supervised by faculty or practitioners in the career field. Credit-bearing internships are an approved way to meet elective requirements and can count towards the University 120 hour graduation requirement at the undergraduate level. The department and individual faculty determine whether or not a specific internship experience meets the requirements of the unit and how many credit hours should be awarded.
- A **cooperative education program**, commonly known as a co-op, is a structured method of combining classroom-based education with practical work experience. Co-ops allow students to earn academic credit for structured job experience as well as a paycheck to help finance their college education. Co-ops are a joint venture between a college or university, a selected employer, and the student.

**Source URL:** <https://catalog.asu.edu/glossary>

## Links:

[1] [https://catalog.asu.edu/retention\\_standing#goodstanding](https://catalog.asu.edu/retention_standing#goodstanding)

[2] [https://catalog.asu.edu/retention\\_standing#probation](https://catalog.asu.edu/retention_standing#probation)

[3] [https://catalog.asu.edu/retention\\_standing#coenrolled](https://catalog.asu.edu/retention_standing#coenrolled)

[4] [https://catalog.asu.edu/retention\\_standing#disqualified](https://catalog.asu.edu/retention_standing#disqualified)

[5] [https://catalog.asu.edu/retention\\_standing#progress](https://catalog.asu.edu/retention_standing#progress)

[6] [https://catalog.asu.edu/retention\\_standing#reinstatement](https://catalog.asu.edu/retention_standing#reinstatement)

[7] <https://admission.asu.edu/undergrad/readmission>

[8] <https://students.asu.edu/leave-absence>

[9] <https://eadvisor.asu.edu/>

[10] <https://catalog.asu.edu/undergraduatereq/#eadvisor>

[11] <https://my.asu.edu>

[12] <https://catalog.asu.edu/undergraduatereq/#concurrent>

[13] <https://admission.asu.edu/academics/accelerated-programs>

## Grades and grading policies

### Credit enrollment

The semester hour is the unit on which credit is computed. It represents one 50-minute class exercise per week per semester. To obtain credit, a student must be properly registered and must pay fees for the course.

### Grading options and definitions

Ordinarily a grade of "A+," "A," "A-," "B+," "B," "B-," "C+," "C," "D," or "E" is given upon completion of a course, unless another grading option such as "audit" or "pass/fail" is indicated at the time of registration. Grading options cannot be changed after the close of the drop/add period.

The instructor of a course has full discretion in selecting which grades to use and report from the available grading options on the grade roster.

<b>Fall 2004 and After<sup>1</sup></b>			
<b>Grade</b>	<b>Undergraduate Definition</b>	<b>Graduate Definition</b>	<b>Value</b>
A+			4.33
A	Excellent	Excellent	4.00
A-			3.67
B+			3.33
B	Good	Good	3.00
B-			2.67
C+			2.33
C	Average	Passing	2.00
D	Passing	No Graduate Credit	1.00
E	Failure	Failure	0.00
EN	Failing Never Participated <sup>2</sup>	Failing Never Participated <sup>2</sup>	0.00



EU	Failing Did Not Complete <sup>3</sup>	Failing Did Not Complete <sup>3</sup>	0.00
I	Incomplete	Incomplete	—
NR	No Report	No Report	—
P	Pass	n/a <sup>4</sup>	—
W	Withdrawal	Withdrawal	—
X	Audit	Audit	—
Y	Satisfactory	Satisfactory	—
Z	Course In Progress	Course In Progress	—
XE	Academic Dishonesty	Academic Dishonesty	0.00

<sup>1</sup> Although the plus/minus scale includes a grade of A+ with a value of 4.33, the cumulative GPA is capped at 4.00. Questions about the grade scales may be referred to the University Registrar Services at registrar@asu.edu [1]. For grading scales prior to fall 2004 click here [2].

<sup>2</sup> Effective fall 2016 and later.

<sup>3</sup> Effective fall 2019 and later.

<sup>4</sup> Not applicable for graduate classes.

<b>Law Grading</b>				
<b>Fall 2009 and after</b>			<b>Fall 2009 and after Additional Grades</b>	
A+		4.33	CR	Credit
A	Excellent	4.00	NR	No Report
A-		3.67	P	Pass
B+		3.33	X	Audit
B	Good	3.00	W	Withdrawal
B-		2.67	I	Incomplete

C+		2.33	H	Honors
C	Average	2.00	HH	High Honors
D	Deficient	1.00	XE	Academic Dishonesty
E	Failing	0.00		
EN	Failing Never Participated <sup>4</sup>	0.00		
EU	Failing Did Not Complete <sup>5</sup>	0.00		

<sup>4</sup> Effective fall 2016 and later.

<sup>5</sup> Effective fall 2019 and later.

For grading scales prior to fall 2009, click here. [2]

### Incomplete (I)

A mark of "I" (incomplete) is given by the instructor when you are otherwise doing acceptable work but are unable to complete the course because of illness or other conditions beyond your control. You are required to arrange with the instructor for the completion of the course requirements. The arrangement is recorded on the Request for Grade of Incomplete form [3]. Do not re-register or pay fees to complete the course. The completion date is determined by the instructor but may not exceed one calendar year from the date the mark of "I" is recorded. When you complete the course, the instructor must submit an online grade change request. If you receive an "I" in an undergraduate course in the fall 1983 or thereafter, your grade will be automatically changed to a failing grade "E" if you do not complete the course within one calendar year. If you receive an "I" in a graduate course (500-level or above) your "I" grade will become a permanent part of your transcript if you do not complete the course within one year, and you will have to reregister and pay fees to repeat the course for credit. Marks of "I" are changed to a grade of "E" (0.00) for purposes of evaluating graduation requirements for undergraduate students.

### No report (NR)

The "NR" grade simply means that a grade has not yet been reported. Once final grade processing takes place for the semester, most classes will have an actual grade posted instead of the "NR". If an "NR" grade appears for a course in a prior semester, you should contact the instructor of the course to find out why a final grade was not recorded.

### Pass (P)

The "P" grading option is used to indicate a passing grade in a class when an individual student receives permission from both the class instructor and his/her college or school. For further information about this grading option, contact your advisor. If you earn a "P" grade, you will earn hours, but the grade is not used for computing your GPA.

A "P" grade should only be assigned when an individual student receives permission to take a course as pass/fail. Permission is recorded on the Pass/Fail Enrollment form [4]. If the course only awards pass/fail grades, the "Y" grade should be utilized to indicate successful completion of the course.

### Withdrawal (W)

If you withdraw from a class after the first week of school, you will receive a mark of "W" on your transcript. You earn no credit or grade for withdrawn classes.

## Audit (X)

A student may choose to audit a course, in which case the student attends regularly scheduled class sessions, but no credit is earned. The student should obtain the instructor's approval before registering and paying the fees for the course. Selected courses may not be audited. Veteran students using education benefits should see Veterans Services.

The mark of "X" is recorded for completion of an audited course unless the instructor determines that the student's participation or attendance has been inadequate, in which case the mark of "W" (withdrawal) may be recorded. This grading option may not be changed after the close of the drop/add period. The "X" is not included in earned hours and is not computed in the GPA.

## Satisfactory (Y)

The "Y" grade is generally used as a grade for successfully completed internships, projects, readings and conference, research, seminars, theses, dissertations, and workshops. You earn hours for a "Y" grade, but the grade is not used for computing your GPA.

## Course in progress (Z)

The "Z" grade is typically used for courses where work will not be completed within one semester's time, such as research, thesis, and dissertation. Once coursework is complete, your instructor will submit a grade change to assign an appropriate grade. Some courses, such as continued registration, do not earn credit and the "Z" grade will remain on your transcript.

## Failing never participated (EN)

The grade of "EN" denotes failure due to the student never participating in a course and is treated the same as an "E" for the purposes of GPA, course repeatability, and academic standing determination. The "EN" grade assists ASU in determining a student's financial aid eligibility. For federal aid purposes, we must determine if a student participated in all courses for which they received federal aid. When a student does not participate, the financial aid office must recalculate the student's eligibility. A grade of "EN" will display on the student's transcript beginning fall 2016. Please review the "Grades and Grade Selection" section of the Grade Posting FAQs [5] page for more information about the "EN" grade.

## Failing did not complete (EU)

The grade of "EU" should be used to indicate that a student never officially withdrew from the course, but failed to participate in course activities through the end of the course. The EU grade should be used when, in the opinion of the instructor, the student's completed assignments, course activities or both were insufficient to make normal evaluation of academic performance possible because the student stopped participating in the course. This grade distinction is critical to federal financial aid administration. A grade of "EU" will display on the student's transcript beginning fall 2019. Please review the "Grades and Grade Selection" section of the Grade Posting FAQs [5] page for more information about the "EU" grade.

## Academic dishonesty (XE)

The grade of "XE" denotes failure due to academic dishonesty and is treated the same as an "E" for the purposes of GPA, course repeatability, and academic standing determination. A student may not avoid any penalty for academic dishonesty by withdrawing from a course. A student may be reinstated to a course to receive a penalty of a reduced or failing grade or XE. The grade of XE may only be assigned in accordance with ASU's Student Academic Integrity Policy, and not as part of the normal end of the semester grading process.

## Grading resources for faculty and staff

Support and roster contacts [6].

## Grade reports

You can obtain your final grades after every semester by using any of the following methods:

- To view or print your grades, sign in to My ASU [7] using your ASURITE UserID and Password.
- Submit a request for an official grade report that will show the grades for the last semester in which grades have been processed. You may submit a request to any registration site [8].

## Grade changes

Ordinarily the instructor of a course has the sole and final responsibility for any grade reported. Once the grade has been reported to the registrar, it may be changed upon the authorization of the faculty member who issued the original grade, a department chair, and the dean of the college concerned. This policy also applies to the grade of "I" (incomplete).

Grade changes are submitted online and receive approval by the department chair (or designee) and the dean of the college (or designee) in which the course is offered. Once approvals are received, the new grade will be reflected on your transcript immediately.

## Repeating courses

An undergraduate course taken by undergraduate students at ASU may be repeated for credit if the grade or mark of "D", "E", (including EU, EN, and XE) "W", "X" is received. To be eligible for the deletion of "D" or "E" grades from calculations of the GPA, the course must be repeated at ASU. Independent Learning courses may not be used to repeat "D" or "E" grades. Students who have graduated are not eligible to delete the grade for a course taken before the award of the ASU bachelor's degree. Undergraduate courses in which grades of "D" or "E" (including EU, EN, and XE) are received may be repeated only once. Generally, students may not repeat an undergraduate course for credit when a grade of "C" or higher is earned.

For additional information on repeating courses please refer to the following policies:

- SSM 203-06: Deletion of a "D" or "E" Grade Received by an Undergraduate in an Undergraduate Course [9]
- SSM 203-05: Duplication of Credit by an Undergraduate Student [10]

Graduate students see the ASU Graduate Policies and Procedures [11].

## Financial aid and repeating courses

Federal regulations limit the number of times a student may repeat a course and receive federal financial aid for that course.

- A student may receive federal financial aid when repeating a course that was previously failed.
- A student may receive federal financial aid to repeat a previously passed course (with a D or better) one additional time, whether or not a student received federal financial aid for an earlier enrollment of the course.
- Once a student has completed any course twice and earned a passing grade (with a D or better) they are no longer eligible to receive federal financial aid for that course
- If a student retakes a course that is no longer eligible for financial aid, the units are excluded from the total enrollment calculated for financial aid and the student's financial aid will be adjusted to exclude these units.

Grade adjustments will be processed automatically after the grades are reported each term. For additional information on repeating a course or the deletion process, contact Records & Enrollment Services at registrar@asu.edu [1]

## Demonstration of mastery

An undergraduate student who receives a "D" in a course in which a "C" or higher is required may use the grade from an equivalent course taken elsewhere to demonstrate mastery at the "C" or higher level. However, the course may neither be transferred to ASU (since credit has already been given for the course) nor computed in the student's GPA.

## Grade appeals

ASU has informal and formal processes students may follow to appeal a grade. See the Catalog [12].

## GPA calculation

The following grades and their values are used in computing your semester and cumulative ASU GPA:

<b>Grade*</b>	<b>Grade Point Value</b>
A+	4.33
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
D	1.00
E**	0.00
*Other grades (W, X, Y, etc.) are not included in the GPA calculation.	
**Grades EN, EU, XE, E1, E2, E3, E4, E5, and E8 are equivalent to an E for GPA calculation purposes.	

To calculate your GPA, follow these steps below, or use the GPA Calculator [13].

1. Multiply the **grade point** value by the number of semester hours for which the course was taken to determine the **honor points**.
2. Add together all the honor points.
3. Add together all the semester hours that received one of the above grades to determine **net hours**.
4. Divide the honor points by the net hours to calculate the GPA.

$$\text{Honor Points} \div \text{Net Hours} = \text{GPA}$$

GPA's are rounded to the nearest 100th of a decimal point.

Semester GPA is based on semester net hours. Cumulative GPA is based on total net hours.

Although the plus/minus scale includes a grade of A+ with a value of 4.33, the cumulative GPA is capped at 4.00.

Example

Course	Semester Hours	Grade	Grade Point Value	Honor Points
ENG 101	3.0	A	4.00	12.00
MAT 117	3.0	B-	2.67	8.01
ECN 111	3.0	E	0.00	0.00
Total:	(net hours) 9.0			20.01
20.01 ÷ 9.0 = 2.22 GPA				

## Credit by examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Learn more [14].

**Source URL:** <https://students.asu.edu/grades>

### Links:

[1] <mailto:registrar@asu.edu>

[2] <https://students.asu.edu/prior-grading-scales>

[3] <https://students.asu.edu/forms/incomplete-grade-request>

[4] <https://students.asu.edu/forms/application-pass-fail-enrollment>

[5] <https://students.asu.edu/grade-posting-faq>

[6] <https://students.asu.edu/facultycenter>

[7] <https://my.asu.edu/>

[8] <https://students.asu.edu/node/931>

[9] <http://www.asu.edu/aad/manuals/ssm/ssm203-06.html>

[10] <http://www.asu.edu/aad/manuals/ssm/ssm203-05.html>

[11] <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals>

[12] <https://catalog.asu.edu/appeal>

[13] <https://students.asu.edu/gpa-calculator>

[14] [https://catalog.asu.edu/credit\\_exam](https://catalog.asu.edu/credit_exam)

## Professional licensure

Arizona State University offers degree programs that lead to professional licensure with the State of Arizona and may allow graduates to be eligible for licensure in other states. **Students and prospective students are strongly encouraged to contact the state's licensure entity where they intend to practice using the links provided to review all licensure and certification requirements imposed by the state(s) of choice.**

This information is provided per U.S. Federal Regulations, 34 CFR § 668.50 (2016 Rules) [1], 34 CFR § 668.43 (2019 Rules) [2], and in compliance with the State Authorization Reciprocity Agreement [3] (SARA) Manual version 20.3. **These disclosures are strictly limited to the university's determination of whether the degree programs, if successfully completed, would be sufficient to meet the educational licensure or certification requirements in a state.** States vary in which professions are required to be licensed and how licensure functions. The terms related to licensure and certification, among others, also vary by state as well. ASU cannot provide verification of an individual's ability to meet licensure or certification requirements unrelated to its educational programming. Some states require individuals to complete additional requirements that are unrelated to educational prerequisites.

These disclosures do not provide any guarantee that any particular state licensure or certification entity will approve or deny an application. Additionally, these disclosures do not account for changes in state law or regulation that may affect an application for licensure that occurs after these disclosures have been made. **Students should check the Professional Licensure material before registering for classes each session for the most up-to-date information.**

Arizona State University is a member of the National Council State Authorization Reciprocity Agreements [3] (NC-SARA) which allows the university to provide distance learning programs (both online and learning placements) and coursework to students located in states other than Arizona. Membership does not grant reciprocity or exemption from state professional licensing requirements. Licensing requirements in Arizona may not be recognized as sufficient to obtain a license in other states.

ASU shall not be held liable if a student is unable to qualify for licensure or certification in any jurisdiction.

### Licensure by college

#### College of Health Solutions

[View more \[4\]](#)

#### College of Integrative Sciences and Arts

[View more \[5\]](#)

#### Edson College of Nursing and Health Innovation

[View more \[6\]](#)

#### Herberger Institute for Design and the Arts

[View more \[7\]](#)

#### Ira A. Fulton Schools of Engineering

[View more \[8\]](#)

#### Mary Lou Fulton Teachers College

[View more \[9\]](#)

#### New College of Interdisciplinary Arts and Sciences

[View more \[10\]](#)

## **Sandra Day O'Connor College of Law**

View more [11]

## **The College of Liberal Arts and Sciences**

View more [12]

## **W. P. Carey School of Business**

View more [13]

## **Watts College of Public Service and Community Solutions**

View more [14]

Need to learn more about earning your license?

For additional information, please email: [askcompliance@asu.edu](mailto:askcompliance@asu.edu) [15]

**Source URL:** <https://admission.asu.edu/academics/licensure>

### **Links:**

- [1] <https://www.federalregister.gov/documents/2016/12/19/2016-29444/program-integrity-and-improvement>
- [2] <https://www.federalregister.gov/documents/2019/11/01/2019-23129/student-assistance-general-provisions-the-secretarys-recognition-of-accrediting-agencies-the>
- [3] <https://nc-sara.org/>
- [4] <https://admission.asu.edu/sites/default/files/healthsolutions-20210701.pdf>
- [5] <https://admission.asu.edu/sites/default/files/integrativesciencesandarts-20210701.pdf>
- [6] <https://admission.asu.edu/sites/default/files/nursingandhealthinnovation-edson-20210701.pdf>
- [7] <https://admission.asu.edu/sites/default/files/designandthearts-herbergerinstitute-20210701.pdf>
- [8] <https://admission.asu.edu/sites/default/files/engineering-iraa.fulton-20210701.pdf>
- [9] <https://admission.asu.edu/sites/default/files/teacherscollege-maryloufulton-20210715.pdf>
- [10] <https://admission.asu.edu/sites/default/files/interdisciplinaryartsandsciences-newcollege-20210701.pdf>
- [11] <https://admission.asu.edu/sites/default/files/law-sandradayoconnor-20210701.pdf>
- [12] [https://admission.asu.edu/sites/default/files/liberalartsandsciences-the\\_college-20210701.pdf](https://admission.asu.edu/sites/default/files/liberalartsandsciences-the_college-20210701.pdf)
- [13] <https://admission.asu.edu/sites/default/files/business-w.p.carey-20210701.pdf>
- [14] <https://admission.asu.edu/sites/default/files/publicserviceandcommunitysolutions-watts-20210701.pdf>
- [15] <mailto:askcompliance@asu.edu>

## **State authorization**

### **Is ASU authorized in my state?**

Arizona State University has met the state authorizations for all states, districts and territories; however, state regulations and authorizations can change. Select your state in the dropdown to see how ASU is authorized to operate in your state and to learn about policies and program exceptions in your state.

### **Alabama**

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Alabama in accordance with NC-SARA established policies and standards.

### **Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies.



Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Alabama Department of Postsecondary Education  
Attn: Office of Private School Licensing Division  
PO Box 301130  
Montgomery, AL 36130  
<https://www.accs.edu/> [3]

Complaint Process: <https://www.accs.edu/about-accs/private-school-licensure/complaints/> [4]

## Alaska

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Alaska in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Alaska Commission on Postsecondary Education  
PO Bo 110505  
Juneau, AK 99811  
<https://acpsecure.alaska.gov/> [5]

Complaint Process: <https://acpe.alaska.gov/ConsumerProtection> [6]

## Arizona

Arizona State University is a public university operating in good standing.

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies, please see Policies [2] for further information.

## Arkansas

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Arkansas in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Arkansas Department of Higher Education  
Attn: AR Higher Education Coordinating Board  
423 Main Street, Suite 400  
Little Rock, AR 72201  
<https://www.adhe.edu/> [7]

Complaint Process: <https://www.adhe.edu/institutions/academic-affairs/institutional-certification-advisory-committee/grievance-form> [8]

## California

As an accredited, out-of-state public institution, Arizona State University is exempt from approval by the California Bureau for Private Postsecondary Education to offer distance education. Bureau approval for ASU to offer distance education activities in California is not required.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

California Department of Consumer Affairs  
Consumer Information Center  
1625 North Market Blvd., Suite N-112  
Sacramento, CA 95834  
Telephone: (833) 942-1120

Complaint Process: [https://www.dca.ca.gov/consumers/complaints/oos\\_students.shtml](https://www.dca.ca.gov/consumers/complaints/oos_students.shtml) [9]

## Colorado

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Colorado in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Colorado Department of Higher Education  
Attn: Division of Private Occupational Schools  
1560 Broadway, Suite 1600  
Denver, CO 80202  
<https://highered.colorado.gov/dpos/> [10]

Complaint Process: <https://highered.colorado.gov/filing-student-complaint> [11]

## Connecticut

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Connecticut in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located within the state.

Mary Lou Fulton Teachers College

- Educational Leadership (Principalship), MEd [12]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

State of Connecticut  
Office of Higher Education  
450 Columbus Blvd, Suite 510  
Hartford, CT 06103  
<http://www.ctohe.org/> [13]

Complaint Process: <http://www.ctohe.org/StudentComplaints.shtml> [14]

## Delaware

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Delaware in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Delaware Department of Education  
Teacher and Administrator Quality  
John W. Collette Resource Center  
35 Commerce Way  
Dover, DE 19904  
<https://www.doe.k12.de.us/> [15]

Complaint Process: Complaints must be submitted in writing and verified by the signature of the person making the complaint. Oral, anonymous or unsigned complaints will not be investigated.

## District of Columbia

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in District of Columbia in accordance with NC-SARA established policies and standards.

Arizona State University is licensed by the Higher Education Licensure Commission [16] to operate the ASU Barrett & O'Connor Washington Center.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

District of Columbia  
Office of the State Superintendent of Education  
Attn: Higher Education Licensure Commission  
1050 First Street, NE  
Washington, DC 2002  
<https://osse.dc.gov/service/higher-education-licensure-commission-helc> [16]

Complaint Process: <https://osse.dc.gov/service/higher-education-licensure-commission-helc-public-complaints> [17]

## Florida

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Florida in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Florida Department of Education  
Attn: Commission for Independent Education  
325 W. Gaines St, Suite 1414  
Tallahassee, FL 32399  
<http://www.fldoe.org/> [18]

Complaint Process: <http://www.fldoe.org/policy/cie/file-a-complaint.shtml> [19]

## Georgia

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Georgia in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located within the state.

Mary Lou Fulton Teachers College

- Educational Leadership (Principalship), MEd [12]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Georgia Nonpublic Postsecondary Education Commission  
2082 East Exchange Place, Suite 220  
Tucker, GA 30084  
<https://gnpec.georgia.gov/> [20]

Complaint Process: <https://gnpec.georgia.gov/student-complaints> [21]

## Hawaii

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Hawaii in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Hawaii Post-Secondary Education Authorization Program  
Attn: Department of Commerce and Consumer Affairs  
PO Box 541  
Honolulu, HI 96809  
<http://cca.hawaii.gov/hpeap/> [22]

Complaint Process: <http://cca.hawaii.gov/hpeap/student-complaint-process/> [23]

## Idaho

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Idaho in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

#### **In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Idaho State Board of Education  
Attn: State Coordinator for Private Colleges & Property Schools  
650 West State Street, 3rd Floor  
PO Box 83720  
Boise, ID 83702

Complaint Process: <https://boardofed.idaho.gov/higher-education-private/private-colleges-degree-granting/student-complaint-procedures/> [24]

## Illinois

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Illinois in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

#### **In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Illinois Board of Education  
1 North Old State Capital Plaza, Suite 333  
Springfield, IL 62701  
<https://www.ibhe.org/index.html> [25]

Complaint Process: <http://complaints.ibhe.org/> [26]

## Indiana

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Indiana in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the

institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Indiana Commission for Higher Education  
Attn: Indiana Board for Proprietary Education  
101 West Ohio Street, Suite 300  
Indianapolis, IN 46204  
<https://www.in.gov/che/> [27]

Complaint Process: <https://www.in.gov/che/2744.htm> [28]

## Iowa

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Iowa in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Iowa College Student Aid Commission  
Attn: Postsecondary Registration Coordinator  
430 East Grant Avenue, 3rd Floor  
Des Moines, IA 50309  
<https://www.iowacollegeaid.gov/> [29]

Complaint Process: <https://www.iowacollegeaid.gov/StudentComplaintForm> [30]

## Kansas

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Kansas in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Kansas Board of Regents  
1000 SW Jackson Street, Suite 520  
Topeka, KA 66612  
<https://www.kansasregents.org/> [31]

Complaint Process: [https://www.kansasregents.org/academic\\_affairs/private\\_out\\_of\\_state/complaint\\_process](https://www.kansasregents.org/academic_affairs/private_out_of_state/complaint_process) [32]



## Kentucky

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Kentucky in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located within the state.

### Mary Lou Fulton Teacher College

- An Overview of Autism Spectrum Disorders (Graduate Certificate) [33]
- Curriculum and Instruction (Early Childhood Education), MEd [34]
- Early Childhood and Early Childhood Special Education, BAE [35]
- Education (Educating Multilingual Learners), MA [36]
- Educational Studies, BAE [37]
- Elementary Education (Educating Multilingual Learners), BAE [38]
- Special Education and Elementary Education, BAE [39]
- Educational Leadership (Principalship), MEd [12]
- Educating Multilingual Learners (Graduate Certificate) [40]
- Elementary Education, BAE [41]
- Elementary Education (Science, Technology, Engineering and Mathematics), BAE [42]
- Gifted Education (Graduate Certificate) [43]
- Gifted Education, MEd [44]
- Learning Design and Technologies, MEd [45]
- Leadership and Innovation, EdD [46]
- Secondary Education, BAE [47]
- Secondary Education (Biological Sciences), BAE [48]
- Secondary Education (Chemistry), BAE [49]
- Secondary Education (Earth and Space Sciences), BAE [50]
- Secondary Education (English), BAE [51]
- Secondary Education (History), BAE [52]
- Secondary Education (Mathematics), BAE [53]
- Secondary Education (Physical Education), BAE [54]
- Secondary Education (Physics), BAE [55]
- Secondary Education (Political Science), BAE [56]
- Secondary Education (Spanish), BAE [57]
- Special Education (Applied Behavior Analysis), MA [58]
- Special Education (Autism Spectrum Disorders), MA [59]
- Special Education (Visual Impairment), BAE [60]
- Special Education and Elementary Education, BAE [61]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### **In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Kentucky Council on Postsecondary Education  
1024 Capital Center Drive, Suite 320  
Frankfort, KY 40601  
<http://cpe.ky.gov/> [62]

Complaint Process: [http://cpe.ky.gov/campuses/consumer\\_complaint.html](http://cpe.ky.gov/campuses/consumer_complaint.html) [63]  
Academic Catalog Archive 2021-2022



## Louisiana

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Louisiana in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Louisiana Board of Regent  
1201 N. Third St., Suite 6-200  
Baton Rouge, LA 70802  
ConsumerInfo@ag.louisiana.gov [64]  
<https://www.ag.state.la.us/> [65]

Complaint Process: <https://regents.la.gov/students-parents/student-complaint-process/> [66]

## Maine

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Maine in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are limited.

Edson College of Nursing and Health Innovation

- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [67]
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [68]
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [69]
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [70]
- Advanced Nursing Practice (Innovation Leadership), DNP [71]
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [72]
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [73]
- Advanced Nursing Practice, DNP [74]
- Emergency Nurse Practitioner (Graduate Certificate) [75]
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [76]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Maine Department of Education  
Attn: Office of Higher Education Services  
23 State House Station  
Augusta, ME 04333

<https://www.maine.gov/doe/highered/> [77]

Complaint Process: [https://www.maine.gov/ag/consumer/complaints/complaint\\_form.shtml](https://www.maine.gov/ag/consumer/complaints/complaint_form.shtml) [78]

## Maryland

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Maryland in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Attorney's General Office  
Maryland Department of Justice  
Attn: Consumer Protection Division  
200 St. Paul Place  
Baltimore, MD 21202  
<http://www.marylandattorneygeneral.gov/> [79]

Complaint Process: [https://mhec.maryland.gov/institutions\\_training/Pages/acadaff/acadaffairsdepartments.aspx](https://mhec.maryland.gov/institutions_training/Pages/acadaff/acadaffairsdepartments.aspx) [80]

## Massachusetts

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Massachusetts in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Massachusetts Department of Higher Education  
One Ashburton Place, Room 1401  
Boston, MA 02108  
<http://www.mass.edu/> [81]

Complaint Process: <http://www.mass.edu/forstufam/complaints/complaints.asp> [82]

## Michigan

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Michigan in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Michigan Department of Licensing and Regulatory Affairs  
PO Box 30018  
Lansing, MI 48909  
<https://www.michigan.gov/lara/> [83]

Complaint Process: [https://www.michigan.gov/documents/lara/Post-Secondary\\_Student\\_Complaints\\_498839\\_7.pdf](https://www.michigan.gov/documents/lara/Post-Secondary_Student_Complaints_498839_7.pdf) [84]

## Minnesota

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Minnesota in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located within the state.

Mary Lou Fulton Teachers College

- Educational Leadership (Principalship), MEd [12]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Minnesota Office of Higher Education  
Attn: Institution Registration Licensure  
1450 Energy Park Drive, Suite 350  
St. Paul, MN 55108  
<https://www.ohe.state.mn.us/> [85]

Complaint Process: <http://www.ohe.state.mn.us/mPg.cfm?pageID=1078> [86]

## Mississippi

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Mississippi in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Attorney's General Office  
Mississippi Department of Justice  
PO Box 220  
Jackson, MS 39205  
<http://www.ago.state.ms.us/> [87]

Complaint Process: <https://www.ago.state.ms.us/divisions/consumer-protection/consumer-complaint-form/> [88]

## Missouri

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Missouri in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Missouri Department of Higher Education  
205 Jefferson Street  
PO Box 1469  
Jefferson City, MO 65102  
<https://dhe.mo.gov/> [89]

Complaint Process: <https://dhe.mo.gov/documents/POLICYONCOMPLAINTRESOLUTION-reviseddraft.pdf> [90]

## Montana

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Montana in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the

institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Montana University System  
Attn: Office of the Commissioner of Higher Education  
2500 Broadway  
PO Box 203201  
Helena, MT 59620  
<https://mus.edu/che/> [91]

Complaint Process: <https://mus.edu/MUS-Statement-of-Complaint-Process.asp> [92]

## Nebraska

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Nebraska in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located within the state.

Mary Lou Fulton Teachers College

- Special Education (Visual Impairment), BAE [60]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Nebraska's Coordinating Commission for Postsecondary Education  
PO Box 95005  
Lincoln, NE 68509  
<https://ccpe.nebraska.gov/> [93]

Complaint Process: <https://ccpe.nebraska.gov/student-complaints-against-postsecondary-institutions> [94]

## Nevada

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Nevada in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Nevada Commission on Postsecondary Education  
8778 South Maryland Parkway, Suite 115

Las Vegas, NV 89123  
<http://cpe.nv.gov/> [95]

Complaint Process: [http://cpe.nv.gov/Students/Students\\_Home/](http://cpe.nv.gov/Students/Students_Home/) [96]

## New Hampshire

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in New Hampshire in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

New Hampshire Department of Education  
101 Pleasant Street  
Concord, NH 03301

<https://www.education.nh.gov/pathways-education/higher-education-new-hampshire/> [97]

Complaint Process: <https://www.education.nh.gov/pathways-education/higher-education-new-hampshire> [97]

## New Jersey

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in New Jersey in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located within the state.

Mary Lou Fulton Teachers College

- Special Education (Visual Impairment), BAE [60]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

New Jersey Office of the Secretary of Higher Education  
1 John Fitch Plaza, 10th Floor  
PO Box 542  
Trenton, NJ 08625

<https://www.state.nj.us/highereducation/> [98]

Complaint Process: <https://www.state.nj.us/highereducation/OSHEComplaintInstructions.shtml> [99]

## New Mexico

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in New Mexico in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

New Mexico Higher Education Department  
2048 Galisteo Street, Suite 4  
Santa Fe, NM 87505  
<http://www.hed.state.nm.us/> [100]

Complaint Process: <http://www.hed.state.nm.us/students/hed-student-complaint-form.aspx> [101]

## New York

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in New York in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located within the state.

### Edson College of Nursing and Health Innovation

- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [67]
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [68]
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [69]
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [70]
- Advanced Nursing Practice (Innovation Leadership), DNP [71]
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [72]
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [73]
- Advanced Nursing Practice, DNP [74]
- Emergency Nurse Practitioner (Graduate Certificate) [75]
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [76]

The following programs are limited.

### College of Health Solutions

- Behavioral Health (Clinical), DBH [102]
- Behavioral Health (Management), DBH [103]

In compliance with the Division of Professional Education of the New York State Education Department, ASU restricts admission to the Doctor of Behavioral Health program in New York to prospective students with licensed professional credentials in the following fields:

- Marriage and Family Therapy
- Mental Health Counseling
- Psychology
- Social Work



Students of the Doctor of Behavioral Health program are limited to performing activities that fall under the scope of practice for the profession in which they are licensed. Prior to applying to the program, students are strongly encouraged to clarify their scope of practice with the appropriate Board Office of such professionals. Professionals in the field of Psychology should address specific scope questions to [psychbd@mail.nysed.gov](mailto:psychbd@mail.nysed.gov) [104]. Professionals in the fields of Marriage and Family Therapy, Mental Health Counseling, and Social Work should address specific scope questions to [mhpd@mail.nysed.gov](mailto:mhpd@mail.nysed.gov) [105].

### **Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### **In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

New York State Education Department  
Attn: Office of College and University Evaluation  
89 Washington Avenue, Room 960 EBA  
Albany, NY 12234  
<http://www.highered.nysed.gov/ocue/> [106]

Complaint Process: <http://www.nysed.gov/college-university-evaluation/filing-complaint-about-college-or-university> [107]

## **North Carolina**

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in North Carolina in accordance with NC-SARA established policies and standards.

### **Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### **In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

The University of North Carolina System Board of Governors  
Attn: State Authorization Unit  
910 Raleigh Road  
Chapel Hill, NC 27515  
<https://www.northcarolina.edu/offices-and-services/academic-affairs/licensure-department/> [108]

Complaint Process: <https://www.northcarolina.edu/post-secondary-education-complaints/> [109]

## **North Dakota**

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in North Dakota in accordance with NC-SARA established policies and standards.

### **Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies.



Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

North Dakota University System  
10th Floor, State Capital  
600 East Boulevard Avenue, Dept. 215  
Bismark, ND 58505  
<https://ndus.edu/> [110]

Complaint Process: <https://ndus.edu/state-authorization-sara/> [111]

## Ohio

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Ohio in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Ohio Department of Higher Education  
Attn: Office of Program Development and Approval  
25 South Front Street  
Columbus, OH 43215  
<https://www.ohiohighered.org/> [112]

Complaint Process: <https://www.ohiohighered.org/students/complaints> [113]

## Oklahoma

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Oklahoma in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Oklahoma State Regents for Higher Education  
Attn: Assistant Vice Chancellor for Academic Affairs  
655 Research Parkway, Suite 200  
Oklahoma City, OK 73104

<https://www.okhighered.org/> [114]

Complaint Process: <https://www.okhighered.org/current-college-students/complaints.shtml> [115]

## Oregon

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Oregon in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are limited.

### Edson College of Nursing and Health Innovation

- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [67]
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [68]
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [69]
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [70]
- Advanced Nursing Practice (Innovation Leadership), DNP [71]
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [72]
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [73]
- Advanced Nursing Practice, DNP [74]
- Emergency Nurse Practitioner (Graduate Certificate) [75]
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [76]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Higher Education Coordinating Commission

Attn: Office of Degree Authorization

255 Capitol Street NE, 3rd Floor

Salem, OR 97310

<https://www.oregon.gov/highered/Pages/index.aspx> [116]

Complaint Process: <https://www.oregon.gov/highered/about/Pages/complaints.aspx> [117]

## Pennsylvania

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Pennsylvania in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Pennsylvania Department of Education

Attn: Distance Education Bureau of Postsecondary & Adult Education

333 Market Street

Harrisburg, PA 17126

<https://www.education.pa.gov/Pages/default.aspx> [118]

Complaint Process: <https://www.education.pa.gov/Postsecondary-Adult/CollegeCareer/Pages/Students-Complaints.aspx> [119]

## Puerto Rico

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Puerto Rico in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Puerto Rico Council on Education

David Baez Davilla; Acting Director, Education Support Programs

PO Box 1990

San Juan, P.R. 00919-1900

<http://www.agencias.pr.gov/agencias/cepr/inicio/Pages/default.aspx> [120]

Complaint Process:

[http://www.agencias.pr.gov/agencias/cepr/inicio/DocumentosCEPR/Documents/SARA/SARA\\_Complaint\\_Process.pdf](http://www.agencias.pr.gov/agencias/cepr/inicio/DocumentosCEPR/Documents/SARA/SARA_Complaint_Process.pdf) [121]

## Rhode Island

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Rhode Island in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located within the state.

Edson College of Nursing and Health Innovation

- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [67]
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [68]
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [69]
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [70]
- Advanced Nursing Practice (Innovation Leadership), DNP [71]
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [72]
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [73]
- Advanced Nursing Practice, DNP [74]
- Emergency Nurse Practitioner (Graduate Certificate) [75]
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [76]
- Nursing, BSN [122]

## Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### **In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Rhode Island Board of Governors for Higher Education  
Shepard Building  
80 Washington Street  
Providence, RI 02903  
<http://www.ribghe.org/legacyhome.htm> [123]

Complaint Process: <http://www.ribghe.org/pdfs/BOGStudentComplaintProcessII011012.pdf> [124]

## South Carolina

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in South Carolina in accordance with NC-SARA established policies and standards.

## Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### **In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

South Carolina Commission on Higher Education  
1122 Lady Street, Suite 300  
Columbia, SC 29201  
<http://www.che.sc.gov/> [125]

Complaint Process: [https://www.che.sc.gov/CHE\\_Docs/academicaffairs/license/Complaint\\_Procedures\\_and\\_Form.pdf](https://www.che.sc.gov/CHE_Docs/academicaffairs/license/Complaint_Procedures_and_Form.pdf) [126]

## South Dakota

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in South Dakota in accordance with NC-SARA established policies and standards.

## Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### **In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Attorney General's Office  
South Dakota Department of Justice

1302 E. Highway 14, Suite 1  
Pierre, SD 57501  
<https://atg.sd.gov/> [127]

Complaint Process: <https://consumer.sd.gov/complaintform.aspx> [128]

## Tennessee

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Tennessee in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located within the state.

Edson College of Nursing and Health Innovation

- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [67]
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [68]
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [69]
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [70]
- Advanced Nursing Practice (Innovation Leadership), DNP [71]
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [72]
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [73]
- Advanced Nursing Practice, DNP [74]
- Emergency Nurse Practitioner (Graduate Certificate) [75]
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [76]
- Nursing, BSN [122]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### **In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Tennessee Higher Education Commission  
Attn: Division of Postsecondary State Authorization  
404 James Robertson Parkway, Suite 1900  
Nashville, TN 37243  
<https://www.tn.gov/content/tn/thec.html> [129]

Complaint Process: <https://www.tn.gov/thec/for-students-and-families/transcript-requests-and-institution-complaints.html> [130]

## Texas

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Texas in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the

institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Texas Higher Education Coordinating Board  
1200 E. Anderson Lane  
Austin, TX 78752  
<http://www.theccb.state.tx.us/> [131]

Complaint Process: <http://www.highered.texas.gov/links/student-complaints/> [132]

## U.S. Virgin Islands

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in the U.S. Virgin Islands in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Virgin Islands Department of Education  
1384 Konegens Gade  
St. Thomas, VI 00802  
2133 Hospital Street  
Christiansted, St. Croix, VI 00820  
<http://www.vide.vi/> [133]

## Utah

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Utah in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located within the state.

Mary Lou Fulton Teachers College

- Educational Leadership (Principalship), MEd [12]
- Special Education (Visual Impairment), BAE [60]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Utah Division of Consumer Protection  
160 East 300 South  
Salt Lake City, UT 84111

<https://consumerprotection.utah.gov/> [134]

Complaint Process: <https://consumerprotection.utah.gov/complaints/index.html> [135]

## Vermont

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Vermont in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located within the state.

Mary Lou Fulton Teachers College

- Educational Leadership (Principalship), MEd [12]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Vermont Agency of Education

Attn: Vermont State Board of Education

120 State Street

Montpelier, VT 06620

<http://education.vermont.gov/> [136]

Complaint Process: <http://education.vermont.gov/documents/postsecondary-program-complaint-resolution> [137]

## Virginia

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Virginia in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

State Council of Higher Education for Virginia

Attn: Private and Out-of-State Postsecondary Education

101 N. 14th Street

Richmond, VA 23219

<http://www.schev.edu/> [138]

Complaint Process: <http://www.schev.edu/index/students-and-parents/resources/student-complaints> [139]



## Washington

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Washington in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located within the state.

### Edson College of Nursing and Health Innovation

- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [67]
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [68]
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [69]
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [70]
- Advanced Nursing Practice (Innovation Leadership), DNP [71]
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [72]
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [73]
- Advanced Nursing Practice, DNP [74]
- Emergency Nurse Practitioner (Graduate Certificate) [75]
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [76]
- Nursing, BSN [122]

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Washington Student Achievement Council  
PO Box 43430  
Olympia, WA 98504  
<https://www.wsac.wa.gov/> [140]

Complaint Process: <https://www.wsac.wa.gov/student-complaints> [141]

## West Virginia

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in West Virginia in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

### In the event a satisfactory resolution is not reached, distance education students are invited to contact:

Attorney General's Office  
West Virginia Department of Justice  
Attn: Consumer Protection  
PO Box 1789  
Charleston, WV 25326



<https://ago.wv.gov/Pages/default.aspx> [142]

Complaint Process: <https://ago.wv.gov/consumerprotection/Pages/default.aspx> [143]

## Wisconsin

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Wisconsin in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

<https://dsps.wi.gov/Pages/Programs/EducationalApproval/Default.aspx> [144]

Complaint Process: <https://dsps.wi.gov/Pages/Programs/EducationalApproval/Student.aspx> [145]

## Wyoming

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Wyoming in accordance with NC-SARA established policies and standards.

### Complaint procedure

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure, by filing a Complaint Form via the AZ SARA complaint process [1]. Distance education students should see Policies [2] for further information.

**In the event a satisfactory resolution is not reached, distance education students are invited to contact:**

Wyoming Department of Education

122 W. 25th Street, Suite E200

Cheyenne, WY 82002

<https://edu.wyoming.gov/> [146]

Complaint Process: <https://edu.wyoming.gov/beyond-the-classroom/school-programs/private-school-licensing/> [147]

## Questions about ASU Online state authorization?

For additional information, please email: [askcompliance@asu.edu](mailto:askcompliance@asu.edu) [148].

**Source URL:** <https://admission.asu.edu/academics/authorizations>

### Links:

[1] <https://azsara.arizona.edu/content/complaint-process>

[2] <https://asuonline.asu.edu/about-us/policies>

- [3] <https://www.accs.edu/>
- [4] <https://www.accs.edu/about-accs/private-school-licensure/complaints/>
- [5] <https://acpsecure.alaska.gov/>
- [6] <https://acpe.alaska.gov/ConsumerProtection>
- [7] <https://www.adhe.edu/>
- [8] <https://www.adhe.edu/institutions/academic-affairs/institutional-certification-advisory-committee/grievance-form>
- [9] [https://www.dca.ca.gov/consumers/complaints/oos\\_students.shtml](https://www.dca.ca.gov/consumers/complaints/oos_students.shtml)
- [10] <https://highered.colorado.gov/about-dhe/divisions/division-of-private-occupational-schools>
- [11] <https://highered.colorado.gov/filing-student-complaint>
- [12] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEPRINMED/graduate/false>
- [13] <http://www.ctohe.org/>
- [14] <http://www.ctohe.org/StudentComplaints.shtml>
- [15] <https://www.doe.k12.de.us/>
- [16] <https://osse.dc.gov/service/higher-education-licensure-commission-helc>
- [17] <https://osse.dc.gov/service/higher-education-licensure-commission-helc-public-complaints>
- [18] <https://www.fldoe.org/>
- [19] <https://www.fldoe.org/policy/cie/file-a-complaint.shtml>
- [20] <https://gnpec.georgia.gov/>
- [21] <https://gnpec.georgia.gov/student-resources/student-complaints>
- [22] <http://cca.hawaii.gov/hpeap/>
- [23] <http://cca.hawaii.gov/hpeap/student-complaint-process/>
- [24] <https://boardofed.idaho.gov/higher-education-private/private-colleges-degree-granting/student-complaint-procedures/>
- [25] <https://www.ibhe.org/index.html>
- [26] <http://complaints.ibhe.org/>
- [27] <https://www.in.gov/che/>
- [28] <https://www.in.gov/che/student-complaints/>
- [29] <https://iowacollegeaid.gov/>
- [30] <https://iowacollegeaid.gov/StudentComplaintForm>
- [31] <https://www.kansasregents.org/>
- [32] [https://www.kansasregents.org/academic\\_affairs/private\\_out\\_of\\_state/complaint\\_process](https://www.kansasregents.org/academic_affairs/private_out_of_state/complaint_process)
- [33] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/EDSPEGRCA/graduate/false>
- [34] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEECDMED/graduate/false>
- [35] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEECSEBAE/undergrad/false>
- [36] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/EDESLMA/graduate/false>
- [37] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/EDSLSTBAE/undergrad/false>
- [38] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEDLLBAE/undergrad/false>
- [39] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEPEBAE/undergrad/false>
- [40] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEESLGRCT/graduate/false>
- [41] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEEEDBAE/undergrad/false>
- [42] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEESTEMBAE/undergrad/false>
- [43] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEGEDGRCT/graduate/false>
- [44] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEGEDMED/graduate/false>
- [45] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/EDTECHMED/graduate/false>
- [46] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TELINEDD/graduate/false>
- [47] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEDBAE/undergrad/false>
- [48] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEBIOBAE/undergrad/false>
- [49] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TECHMBAE/undergrad/false>
- [50] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/EDESSBAE/undergrad/false>
- [51] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEENGBAE/undergrad/false>
- [52] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEHISBAE/undergrad/false>
- [53] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEMATBAE/undergrad/false>
- [54] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ECPPEBAE/undergrad/false>
- [55] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/EDPHYBAE/undergrad/false>
- [56] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEPOLBAE/undergrad/false>

[57] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESPABAE/undergrad/false>  
[58] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESPEABAMA/graduate/false>  
[59] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESPEASDMA/graduate/false>  
[60] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESPEVIBAE/undergrad/false>  
[61] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESPEBAE/undergrad/false>  
[62] <http://cpe.ky.gov/>  
[63] [http://cpe.ky.gov/campuses/consumer\\_complaint.html](http://cpe.ky.gov/campuses/consumer_complaint.html)  
[64] <mailto:ConsumerInfo@ag.louisiana.gov>  
[65] <https://www.ag.state.la.us/>  
[66] <https://regents.la.gov/students-parents/student-complaint-process/>  
[67] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPACDNP/graduate/false>  
[68] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPAGDNP/graduate/false>  
[69] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPFNDNP/graduate/false>  
[70] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPCFDNP/graduate/false>  
[71] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPILDNP/graduate/false>  
[72] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPPDNP/graduate/false>  
[73] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPWHDNP/graduate/false>  
[74] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPDNP/graduate/false>  
[75] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUEMNPGRCT/graduate/false>  
[76] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUNURSEDCE/graduate/false>  
[77] <https://www.maine.gov/doe/learning/highered>  
[78] [https://www.maine.gov/ag/consumer/complaints/complaint\\_form.shtml](https://www.maine.gov/ag/consumer/complaints/complaint_form.shtml)  
[79] <https://www.marylandattorneygeneral.gov/>  
[80] [https://mhec.maryland.gov/institutions\\_training/Pages/acadaff/acadaffairsdepartments.aspx](https://mhec.maryland.gov/institutions_training/Pages/acadaff/acadaffairsdepartments.aspx)  
[81] <https://www.mass.edu/home.asp>  
[82] <https://www.mass.edu/forstufam/complaints/complaints.asp>  
[83] <https://www.michigan.gov/lara/>  
[84] [https://www.michigan.gov/documents/lara/Post-Secondary\\_Student\\_Complaints\\_498839\\_7.pdf](https://www.michigan.gov/documents/lara/Post-Secondary_Student_Complaints_498839_7.pdf)  
[85] <https://www.ohe.state.mn.us/>  
[86] <http://www.ohe.state.mn.us/mPg.cfm?pageID=1078>  
[87] <https://www.ago.state.ms.us/>  
[88] <https://www.ago.state.ms.us/divisions/consumer-protection/consumer-complaint-form/>  
[89] <https://dhewd.mo.gov/>  
[90] <https://dhewd.mo.gov/documents/POLICYONCOMPLAINTRESOLUTION-reviseddraft.pdf>  
[91] <https://mus.edu/che/>  
[92] <https://mus.edu/MUS-Statement-of-Complaint-Process.html>  
[93] <https://ccpe.nebraska.gov/>  
[94] <https://ccpe.nebraska.gov/student-complaints-against-postsecondary-institutions>  
[95] <https://cpe.nv.gov/>  
[96] [https://cpe.nv.gov/Students/Students\\_Home/](https://cpe.nv.gov/Students/Students_Home/)  
[97] <https://www.education.nh.gov/pathways-education/higher-education-new-hampshire/>  
[98] <https://www.state.nj.us/highereducation/>  
[99] <https://www.state.nj.us/highereducation/OSHEComplaintInstructions.shtml>  
[100] <https://hed.state.nm.us/>  
[101] <https://hed.state.nm.us/students-parents/student-complaints>  
[102] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NHBVHCDBH/graduate/false>  
[103] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NHBVHMDBH/graduate/false>  
[104] <mailto:psychbd@mail.nysed.gov>  
[105] <mailto:mhpd@mail.nysed.gov>  
[106] <http://www.highered.nysed.gov/ocue/>  
[107] <http://www.nysed.gov/college-university-evaluation/filing-complaint-about-college-or-university>  
[108] <https://www.northcarolina.edu/offices-and-services/academic-affairs/licensure-department/>  
[109] <https://www.northcarolina.edu/post-secondary-education-complaints/>  
[110] <https://ndus.edu/>

[111] <https://ndus.edu/state-authorization-sara/>  
[112] <https://www.ohiohighered.org/>  
[113] <https://www.ohiohighered.org/students/complaints>  
[114] <https://www.okhighered.org/>  
[115] <https://www.okhighered.org/current-college-students/complaints.shtml>  
[116] <https://www.oregon.gov/highered/Pages/index.aspx>  
[117] <https://www.oregon.gov/highered/about/Pages/complaints.aspx>  
[118] <https://www.education.pa.gov/Pages/default.aspx>  
[119] <https://www.education.pa.gov/Postsecondary-Adult/CollegeCareer/Pages/Students-Complaints.aspx>  
[120] <https://agencias.pr.gov/agencias/cepr/inicio/Pages/default.aspx>  
[121] [https://agencias.pr.gov/agencias/cepr/inicio/DocumentosCEPR/Documents/SARA/SARA\\_Complaint\\_Process.pdf](https://agencias.pr.gov/agencias/cepr/inicio/DocumentosCEPR/Documents/SARA/SARA_Complaint_Process.pdf)  
[122] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUNURDBSN/undergrad/false>  
[123] <http://www.ribghe.org/legacyhome.htm>  
[124] <http://www.ribghe.org/pdfs/BOGStudentComplaintProcessII011012.pdf>  
[125] <https://www.che.sc.gov/>  
[126] [https://www.che.sc.gov/CHE\\_Docs/academicaffairs/license/Complaint\\_Procedures\\_and\\_Form.pdf](https://www.che.sc.gov/CHE_Docs/academicaffairs/license/Complaint_Procedures_and_Form.pdf)  
[127] <https://atg.sd.gov/>  
[128] <https://consumer.sd.gov/complaintform.aspx>  
[129] <https://www.tn.gov/content/tn/thec.html>  
[130] <https://www.tn.gov/thec/for-students-and-families/transcript-requests-and-institution-complaints.html>  
[131] <https://www.highered.texas.gov/>  
[132] <https://www.highered.texas.gov/links/student-complaints/>  
[133] <https://www.vide.vi/>  
[134] <https://consumerprotection.utah.gov/>  
[135] <https://consumerprotection.utah.gov/complaints/index.html>  
[136] <https://education.vermont.gov/>  
[137] <https://education.vermont.gov/documents/postsecondary-program-complaint-resolution>  
[138] <https://www.schev.edu/>  
[139] <https://www.schev.edu/index/students-and-parents/resources/student-complaints>  
[140] <https://wsac.wa.gov/>  
[141] <https://wsac.wa.gov/student-complaints>  
[142] <https://ago.wv.gov/Pages/default.aspx>  
[143] <https://ago.wv.gov/consumerprotection/Pages/default.aspx>  
[144] <https://dsps.wi.gov/Pages/Programs/EducationalApproval/Default.aspx>  
[145] <https://dsps.wi.gov/Pages/Programs/EducationalApproval/Student.aspx>  
[146] <https://edu.wyoming.gov/>  
[147] <https://edu.wyoming.gov/for-district-leadership/school-programs/private-school-licensing/>  
[148] <mailto:askcompliance@asu.edu>

## ASU transcripts

Official and unofficial ASU academic transcripts are available through University Registrar Services.

Sending your transcripts to ASU? Contact Admissions [1] for mailing address information.

### Official transcripts

An official transcript is a copy of the student's permanent academic record issued by the University Registrar. It displays all courses taken for credit at ASU and includes all grades received. Unlike unofficial transcripts, it is signed and dated by the registrar and displays the ASU seal. **Official transcripts are not issued for students with outstanding financial obligations to the university.**

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For students that attended the **Thunderbird School of Global Management prior to December 31, 2014**, information on ordering official transcripts can be found here [2].

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ASU cannot send official transcripts by email or fax.

University Registrar Services has partnered with Parchment, a digital credentials service, to manage the ordering, processing, and secure electronic delivery of your official ASU transcripts.

All students are encouraged to go online to place their transcript order. This is the easiest and most efficient way to place an order for either a traditional paper transcript or electronic transcript delivery.

### Electronic delivery of official transcripts

Official electronic transcripts may only be ordered using Parchment's online request system. Students choosing this option will identify their recipients by selecting them from a list within the ordering system or by providing the email address of their intended recipients.

To expedite and ensure accurate delivery, students should:

- Make sure the transcript recipient will accept the electronic transcripts, so they can avoid paying to send a replacement copy.
- Double check that the email address they provided for an institution or individual is correct, so they can avoid paying again to send a replacement electronic or paper copy.
- Provide their email addresses for notification purposes (the student's email address assists with tracking and confirming delivery by notifying the student when the transcript is sent and when it is received by the selected institution or individual).
- Instruct recipients to allow emails from Parchment (noreplyint@parchment.com [3]) to avoid potential problems with spam filters.

Orders are generally processed immediately, unless you request a hold for degree or grades. (Degrees are posted approximately 6 weeks after the conferral date for the semester.)

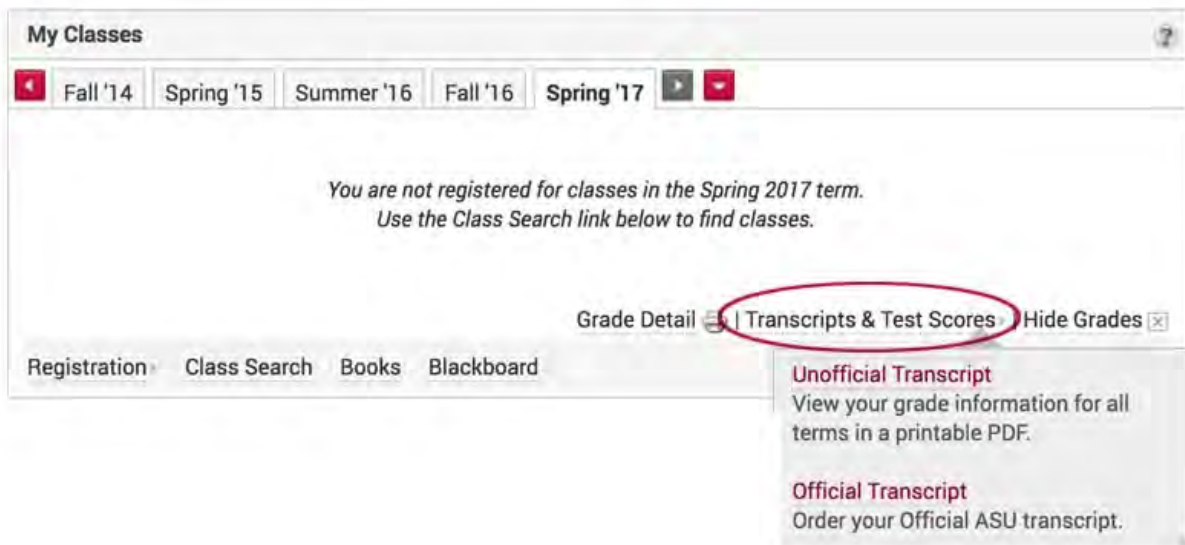
The transcript is not delivered by email; the recipient's email address is used for notification and reminder messages regarding delivery of the student's transcript to a secure site where it can be accessed.

## Ordering official transcripts

Official transcripts can be ordered online or by mail.

### Online

- Students who have an ASURITE ID — Sign in to My ASU [4] and order official transcripts online. In the **My Classes** box, click **Grades & Transcripts** and then **Transcripts & Test Scores** (see sample My ASU navigation screenshot below).
- Students who attended ASU after 1980 and who do not yet have an ASURITE ID [5] or do not know their ASURITE ID and password — Please contact the ASU Help Desk at 855-278-5080 for assistance requesting your ASURITE ID.
- Students who attended ASU prior to 1980 and do not have an ASURITE ID — Request transcripts in person or by mail.



### By mail

Students may order transcripts by submitting a Request for Official Transcript Form [6] or signed letter including the following information:

- Name
- Former names (if applicable)
- Arizona State University identification number (or SSN)
- Date of birth
- First and last dates of attendance
- Current return address
- Daytime phone number
- Specific mailing address for each transcript ordered

Pre-payment is required. See costs for official transcripts below. Make check or money order payable to Arizona State University.

Send requests for official transcripts to:

Outgoing Transcripts  
University Registrar Services  
Arizona State University  
P.O. Box 870312  
Tempe, AZ 85287-0312

For further assistance, please contact Outgoing Transcripts at 480-965-7276 or [academicfiles@asu.edu](mailto:academicfiles@asu.edu) [7]

## In person

Students presenting photo ID may order official transcripts in person at the Cashier's Office at the following locations:

- Downtown Phoenix campus — Mon. – Fri. 8:15 a.m. - 4:30 p.m., University Center Building, Suite 112
- Polytechnic campus — Mon. – Fri. 8:15 a.m. - 4:30 p.m., Administration Building, Room 160
- Tempe campus — Mon. – Fri. 8:15 a.m. - 4:30 p.m., Student Services Building, 244
- West campus — Mon. – Fri. 8:15 a.m. to 4:30 p.m., University Center Building, Room 101

## Costs

All charges for official transcripts must be paid at time of request. Official transcripts cost \$15.00 per official transcript copy requested.

Rush transcripts (same day service): \$10.00 in addition to the costs for the total number of transcripts ordered. **Available for in-person requests only.**

- Special delivery in the U.S. — Special delivery processing, instead of regular mail, is available via FedEx or U.S. Express Mail at \$22.00 per U.S. delivery address in addition to the costs for the total number of transcripts ordered.
- Special delivery outside the U.S. — Express delivery to addresses outside the U.S. is available through International FedEx Express or International Express Mail at \$38.00 per delivery address in addition to the costs for the total number of transcripts ordered.

FedEx requires a street address for delivery. FedEx charges an additional fee for all returned shipments, and the student will be responsible for paying the total amount before the transcript(s) will be mailed.

Transcripts will not be reissued after 90 days from the processed date.

Fees subject to change without notice.

## Apostille

For information on requesting an Apostille. [8]

## Unofficial transcripts

An unofficial transcript is an uncertified copy of the student's academic record. In addition to courses taken for credit at ASU and grades received, unofficial transcripts also include information such as note records regarding Dean's List achievement, grade changes, semester GPAs and probation/disqualification status.

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For students that attended the **Thunderbird School of Global Management prior to December 31, 2014**, information on ordering unofficial transcripts can be found here [9].

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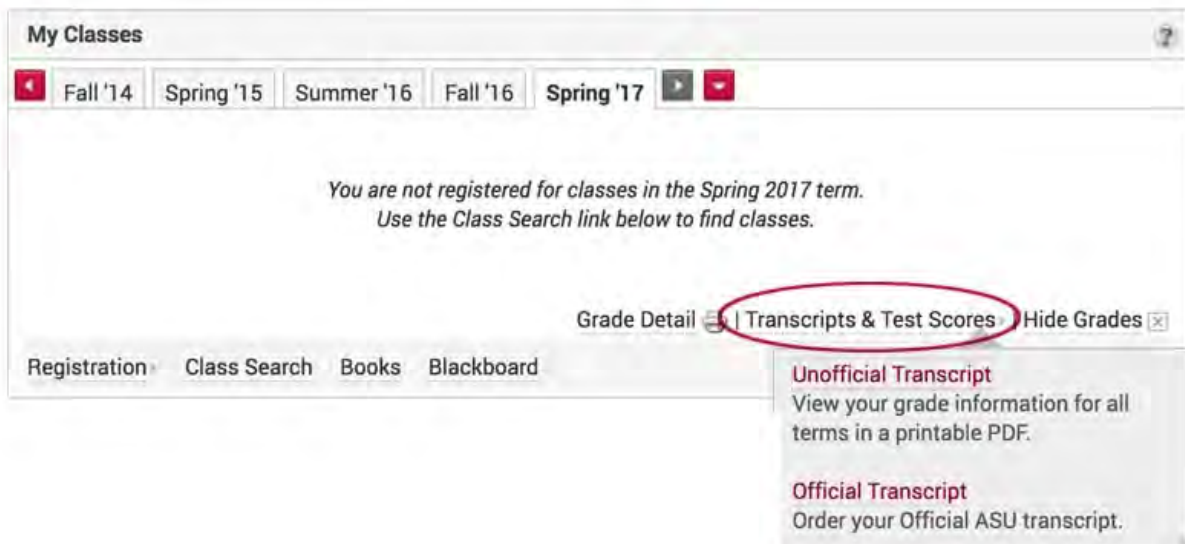
## Accessing and ordering unofficial transcripts

Here's how to view and request unofficial transcripts:

### Online

- Students and former students who have an ASURITE ID — Sign in to view and print an unofficial transcript [10]. **You may need to temporarily disable pop-up blocker for this site to retrieve your transcript.**
- Students who attended after 1980 and who do not have an ASURITE ID or do not know their ASURITE ID and password — Request an ASURITE ID [5] to access unofficial transcripts online by contacting the ASU Help Desk at 855-278-5080.
- Students who attended prior to 1980 — ASU does not offer online transcript services for students who attended prior to 1980. Request the unofficial transcript in person, by mail or by fax.

You should be in your My ASU student view to access your transcripts. If you have both a student and staff view, this will be indicated in the top right of your screen.



### By mail or fax

Students may order an unofficial transcript by mailing or faxing a **signed** letter including the following information about the student:

- Name and former names (if applicable)
- Arizona State University identification number (or SSN)
- Date of birth
- First and last dates of attendance
- Current return address
- Daytime phone number
- Return Fax number or specific mailing address

Requests for unofficial transcripts by mail or fax must be signed by the student. No computer-generated signatures will be accepted. Please send requests for unofficial transcripts to:

Outgoing Transcripts  
University Registrar Services  
Arizona State University  
P.O. Box 870312  
Tempe, AZ 85287-0312

Fax: 480-965-2295



## In person

Students presenting photo ID may order unofficial transcripts in person at any campus registration site [11].

## Costs

There is no fee for an unofficial transcript. For assistance, please contact University Registrar Services [12].

## Transcript FAQs

Have questions? Here are the most common FAQs [13].

If you have an ASURITE ID, want to order online, and are familiar with the applicable transcript policies, you can access your transcripts through My ASU [4].

My ASU [4]

Click **Grades & Transcripts** in the My Classes box, then **Transcripts & Test Scores**.

**Source URL:** <https://students.asu.edu/transcripts>

### Links:

[1] <http://students.asu.edu/contact/admissions>

[2] [https://students.asu.edu/Thunderbird\\_Transcripts](https://students.asu.edu/Thunderbird_Transcripts)

[3] <mailto:noreplyint@parchment.com>

[4] <https://my.asu.edu>

[5] <http://asu.force.com/kb/articles/FAQ/How-do-I-get-an-ASURITE-ID-if-I-m-a-former-student>

[6] <https://students.asu.edu/forms/official-transcript-request>

[7] <mailto:academicfiles@asu.edu>

[8] <https://students.asu.edu/apostille>

[9] <https://students.asu.edu/transcripts-thunderbird#unofficialtranscripts>

[10] <https://www.asu.edu/go/unofficialtranscript/>

[11] <https://students.asu.edu/contact/office-university-registrar>

[12] <http://students.asu.edu/node/931>

[13] <http://students.asu.edu/transcript-faqs>

## Apostille

Some international organizations may ask for the attachment of an apostille to certain documents. An apostille is an additional level of authentication given to a notarized document to certify that the document is a true, i.e., exact, copy of the original.

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**Due to the COVID-19 Virus, notary services are available on a limited basis.**

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Arizona State University can provide notarization of official transcripts or a photocopy of your diploma to submit to the Arizona Secretary of State's Office for apostille purposes. Before requesting notarization, please check with the agency requesting your documents to determine what level of document verification is required.

For more information on how to request notarized official transcripts or diplomas, please contact Outgoing Transcripts at 480-965-7276 or [academicfiles@asu.edu](mailto:academicfiles@asu.edu) [1].

You will be responsible for submitting the notarized document(s) to the Arizona Secretary of State's Office to request the apostille. Review the complete instructions for filing an apostille request [2].

**Source URL:** <https://students.asu.edu/apostille>

### Links

[1] <mailto:academicfiles@asu.edu?subject=Apostille>

[2] <http://www.azsos.gov/services/authentication-and-apostille>

[3] <https://students.asu.edu/taxonomy/term/244>

## Transcript FAQs

### Answers to the most common transcript questions

#### **Q: What is the procedure to change my name on my ASU transcript?**

Currently enrolled, newly admitted/readmitted or former ASU students may submit a Student Change of Legal Name Form electronically through DocuSign, by mail, in person or by scanning and e-mailing. All requests require two different forms of documentation, one of which must be picture identification (state/government issued photo ID or ASU Sun Card) and one of the following: marriage license/certificate, adoption papers, court order, divorce decree, social security card or passport/permanent visa. The link to the DocuSign form and paper form can be found at <https://students.asu.edu/forms/name-change> [1]. For further assistance email [registrar@asu.edu](mailto:registrar@asu.edu) [2] or call 480-965-7276.

#### **Q: Will ASU hold my transcript and not send it out until my degree or a specific grade is posted?**

On the Request for Official Transcript form or the online ordering system, you may request one of the following holds:

- Hold until degree is posted - Your transcript will not be sent until your degree is posted to your ASU transcript.
- Hold until grades are posted - Your transcript will not be sent until all grades for the term you specified on your order are posted to your ASU transcript.

#### **Q: Does my ASU transcript list courses I transferred from other institutions?**

No. Credit is awarded for traditional course work successfully completed at institutions of higher learning as indicated by ASU and the Arizona Board of Regents. However, only the name of the institution(s) and degrees awarded are listed on the ASU transcript.

#### **Q: How can I obtain a copy of previous school transcripts?**

You may request unofficial copies of transcripts from other schools if they were submitted to ASU and if they remain on file. If you are requesting transfer transcripts for official purposes, you must order transcripts from the issuing institutions.

#### **Q: Can someone else order/pick up my official transcript for me?**

Yes, someone else may order or pick up your official transcript as long as you give written and signed authorization to do so. The request must include all the information requested for ordering an official transcript.

#### **Q: What if I have a delinquent account? Can I still obtain a transcript?**

You may obtain an unofficial transcript only. All financial obligations must be cleared before an official transcript will be issued. For further assistance call 480-965-7276 during business hours. The Delinquent Accounts Office can be reached at 480-965-5220.

#### **Q: How do I get a course description for courses listed on my ASU transcript?**

Course descriptions for catalogs after 1996 can be printed from the web at the catalog website [3]. For course descriptions prior to 1996, contact University Archives [archives@asu.edu](mailto:archives@asu.edu) [4] or 480-965-4932.

**Q: How long does it take for my degree to post to my transcript?**

The majority of degrees are posted within 10-14 days of the degree conferral date. If you need to request an official transcript with your degree posted, you have the option to "hold for degree" which will ensure your official transcript will not be issued until your degree is posted.

**Source URL:** <https://students.asu.edu/transcript-faqs>

**Links:**

[1] <https://students.asu.edu/forms/name-change>

[2] <mailto:registrar@asu.edu>

[3] <https://webapp4.asu.edu/catalog/>

[4] <mailto:archives@asu.edu>

## University policy for student appeal procedures on grades

The steps outlined here, beginning with step A, must be followed by any student seeking to appeal a grade. Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring) regardless of whether the student is enrolled at the university. It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college or school in which the course is offered.

### Informal

A. The aggrieved student must first undergo the informal procedure of conferring with the instructor, stating any evidence and reasons for questioning that the grade received was not given in good faith. The instructor is obliged to review the matter, explain the grading procedure used and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course (regular faculty member or director of the course sequence).

B. If the grading dispute is not resolved in step A, the student may appeal to the department chair or other appropriate chair of the area within the department (if any). The department chair may confer with the instructor to handle the problem. Step B applies only in departmentalized colleges or schools.

C. If these discussions are not adequate to settle the matter to the complainant's satisfaction, the student may then confer with the dean of the college or school concerned (or the dean-designate) who will review the case. If unresolved, the dean or designate may refer the case to the college or school academic grievance hearing committee to review the case formally. In most instances, however, the grievance procedure does not go beyond this level.

### Formal

The following procedure takes place after steps A, B and C (or A and C) have been completed.

D. Each college or school has on file in the office of the dean (and in each department of the college or school) the procedures and composition of the undergraduate or graduate academic grievance hearing committee for student grievances. Each college or school committee shall operate under grievance procedures as stated, which satisfy due process requirements. The committee shall always meet with the student and the instructor in an attempt to resolve the differences. At the conclusion of the hearing, the committee shall send its recommendations to the dean.

E. Final action in each case will be taken by the dean after full consideration of the committee's recommendation. Any recommended grade changes may be made by the dean. The dean shall inform the student, instructor, department chairperson (if any), registrar and grievance committee of any action taken.

**Source URL:** <https://catalog.asu.edu/appeal>

# Undergraduate policies and procedures

## Admission

### First-year student college admission requirements

We're here to help make each step toward becoming a Sun Devil a smooth experience. Follow the steps below to apply to become a first-year student at ASU.

### Admission requirements

#### Course competency requirements

To be admitted to ASU, you will need the following:

- 4 years math
- 4 years English (non-ESL/ELL courses)
- 3 years lab sciences (1 year each from biology, chemistry, earth science, integrated sciences or physics)
- 2 years social sciences (including 1 year American history)
- 2 years same second language
- 1 year fine arts or 1 year career and technical education

Detailed Course Requirements [1]

#### Aptitude requirements

To be admitted to ASU, you will need one of the following:

- top 25% in high school graduating class
- 3.00 GPA in competency courses (4.00 = "A")
- ACT: 22 (24 nonresidents)
- SAT: 1120 (1180 nonresidents)

These aptitude requirements meet the general university admission requirements. Students who do not meet these aptitude requirements may be reviewed individually before a final admission decision is made. Some degree programs have higher aptitude requirements. To find the requirements for your specific program, please visit ASU's Degree Search [2].

Applicants must successfully complete the ASU competency requirements. Admission may be granted with one deficiency in no more than two competency areas. Deficiencies cannot be in both math and laboratory science. Students must earn a minimum 2.00 in each subject area. Most competencies may also be met by test scores or college courses. See detailed competency requirements [1] for more information.

### How to apply to college at ASU

#### Step 01: Complete an undergraduate admission application

Apply online with ASU's Application for Admission [3], Common Application [4] or the Coalition Application [5]. You need to submit only one application to be considered for admission to ASU.

To expedite the admission decision, self-report your high school grades [6] in the application.

ASU does not have a preference for which application you use to apply. ASU does not require an essay or personal statement in any of these options.

ASU's Application for Admission [3]   Common Application [4]   Coalition Application [5]

**Step 02: Submit the nonrefundable application fee**

Arizona residents: \$50  
Domestic nonresidents: \$70  
International nonresidents: \$85

You can pay using a credit card (Visa or Mastercard) or eCheck at the time you submit your application or when you log in to My ASU [7]. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

If you applied for admission through the Common Application [4] or Coalition Application [5], pay the application fee through those applications.

There is no form, paper or code to submit for an application fee waiver. If your financial circumstances qualify you for an application fee waiver, you will answer a series of questions in the application that will automatically qualify you and post to your account.

**Step 03: Transcripts**

If you do not self-report your grades in the ASU application, you must have your high school send an official copy of your transcripts [8] to ASU.

If you have earned college or university credit, request to have your official transcripts [8] sent to ASU from the issuing institution.

**Step 04: ACT or SAT scores (optional)**

ACT or SAT scores are not required for admission, but may be submitted for ASU course placement or supplemental information. Have your scores sent to ASU from ACT [9] or College Board [10] when you register for the test. Learn more about sending your test scores to ASU in our FAQ section [11].

**Step 05: Check application status**

Once you've completed all these steps, ASU will review your application. To see if you have any missing items and to review your admission status, sign in at My ASU using your ASURITE UserID, which is sent to you after you apply for admission.

Check application status [7]

**Step 06: Fill out the FAFSA**

The Free Application for Federal Student Aid [12] is used to award grants, loans, Federal Work-Study and certain scholarships. We encourage you to compare financial aid and college costs. ASU's Federal School Code is 001081.

**Important Fall 2021 admission and financial aid dates****July 1, 2020**

ASU fall admission application opens

**Sept. 1, 2020**

ASU Scholarship Portal opens

**Oct. 1, 2020**

2021–2022 Free Application for Federal Student Aid opens  
ASU's Federal School Code is 001081

**Nov. 1, 2020**

Priority admission deadline

**Jan. 15, 2021**

ASU's FAFSA priority date

File your FAFSA by this date to maximize the amount of financial aid you could qualify for.

**Jan. 15, 2021**

Regular admission date

Complete your application for fall admission by this date to ensure you're considered for the maximum amount of scholarship opportunities.

**May 1, 2021**

Future Sun Devil Day

Secure your spot for fall 2021 by paying the enrollment deposit.

**Aug. 19, 2021**

First day of fall 2021 classes

**Find a first-year student representative**

[Archivist's note: Dropdown tool listing states and territories unable to be archived]

**Tips for applying to college****Higher admission requirements**

If your first-choice major has higher requirements, you will be instructed to select a second major without higher requirements.

Explore degrees [13]

**Common and coalition applications**

ASU accepts the Common Application [4], the Coalition Application [5] and our own online application [3] for incoming first-year students. Only one application will be accepted, with no preference between the ASU application, the Coalition Application and the Common Application. If two applications are submitted, one will be canceled in our system.

Application fees are nonrefundable.

**Self-report your grades**

ASU accepts self-reported high school grades on the undergraduate admission application. Submission of an ACT or SAT score is highly recommended for merit-based scholarship consideration.

More about self-reporting [6]

**Individual review**

ASU admission decisions begin the first week of September. Students who do not meet the admission standards will be evaluated through individual review and may experience a longer wait time for an admission decision.

## Homeschool students

ASU welcomes applications from home-educated students. You can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.

More about homeschooling [14]

## How to apply if you completed a high school equivalency diploma

Students may also meet admission requirements by meeting one of the following:

**GED** battery average score of

- 50 or above for tests taken between 1998-2001
- 500 or above for tests taken between 2002-2013
- 170 or above for tests taken after 2013

HiSet total score of 75

**TASC (Test Assessing Secondary Completion):**

- Minimum total score of 2700
- Minimum score of 500 on each of the five content areas
- Score of 2 or above on essay

**California High School Proficiency Examination** and other high school equivalency diplomas are recognized as a high school diploma, but do not satisfy course competency and aptitude requirements needed for admission. Students should submit their diploma to show completion of high school, but will also need to submit additional high school transcripts or SAT or ACT scores to satisfy course competency and aptitude requirements for admission.

Alternatively, enrollment and successful completion of 24 semester credits with a 2.75 minimum GPA through Earned Admission [15], or completion of 24 or more college credits from a regionally accredited college or university with a minimum of 2.50 cumulative GPA on a 4.00 scale may be used to satisfy requirements for admission.

## Get a jump-start on your college experience

Now is the perfect time to imagine what your future will look like, and ASU is here to help you get there. See how you can start earning scholarship money, find the perfect degree program and campus, and more — all while you're in high school.

Start now [16]

## Frequently asked questions about applying to college

**When should I apply to college as a first-year student?**

The ASU application opens on or around July 1 each year. You are encouraged to apply to ASU as early as possible. Nov. 1 is ASU's priority admission date, and Feb. 1 is ASU's regular admission date. The earlier you apply, the earlier you'll receive an admission decision and the more likely you'll be to secure the most financial aid possible.

**Is it okay to submit applications to several different universities?**

Yes, you should apply to all the universities you are interested in possibly attending. Just be aware that universities charge application fees, which can add up. Many universities are part of the Common Application [17] and Coalition Application [5], including ASU, which can save you time by using the information you enter once for several applications.



## Other than the admission application, what information will I need to provide to complete the application process?

In addition to the application, you will need to submit the nonrefundable application fee, as well as self-report your high school grades or have your high school transcripts sent to ASU. ACT or SAT scores are not required for admission, but may be submitted for ASU course placement or as supplemental information.

View more FAQs [18]

**Source URL:** <https://admission.asu.edu/first-year/apply>

### Links:

[1] <https://admission.asu.edu/first-year/competency-requirements>

[2] <https://asu.edu/degrees>

[3] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

[4] <https://apply.commonapp.org/Login?ma=901>

[5] <https://www.mycoalition.org/public/info/asu>

[6] <https://admission.asu.edu/first-year/self-reporting>

[7] <https://my.asu.edu/>

[8] <https://admission.asu.edu/transcripts>

[9] <https://www.act.org/content/act/en/products-and-services/the-act/scores/sending-your-scores.html>

[10] <https://collegereadiness.collegeboard.org/sat/scores/sending-scores/how-to-send>

[11] <https://admission.asu.edu/contact/faqs#general>

[12] <https://fafsa.ed.gov/>

[13] <https://webapp4.asu.edu/programs/t5>

[14] <https://admission.asu.edu/first-year/homeschool>

[15] <https://ea.asu.edu/>

[16] <https://admission.asu.edu/first-year/highschool>

[17] <https://www.commonapp.org>

[18] <https://admission.asu.edu/contact/faqs#freshman>

## University admission requirements

### How to meet course competency requirements at ASU

Competency requirements may be met with high school work, college work or test scores. These requirements must be met regardless of your major or the number of transferable hours you have earned. Students must earn a minimum 2.00 GPA in each competency area.

Admission may be granted with one deficiency in no more than two competency areas. Deficiencies in both math and laboratory science are not acceptable.

For exceptions to the competency requirements, see below [1].

### English competency requirement

Meet one of the following:

- four years of high school English (composition or literature based)
- minimum test score of 21 on ACT English, or 580 on SAT evidence-based reading and writing
- one transferable or three-credit college English composition course

### English composition placement

All first-year and transfer students who have not earned a "C" or better in a transferable first-year English composition course, or who have not received a score of 4 or 5 on the Advanced Placement examination in English offered by the

College Entrance Examination Board, must submit ACT or SAT scores before registration to be placed in an appropriate English course.

### **Mathematics competency requirement**

Meet one of the following:

- four years of high school courses: one year each of algebra I, geometry, algebra II, and an advanced math class for which algebra II is a prerequisite
- minimum test score of 24 on ACT math, or 580 on SAT math
- one transferable three-credit college math course for which at least intermediate algebra is a prerequisite

### **Laboratory science competency requirement**

You may meet one of the following or any combination of the three as long as you have three different laboratory-based sciences:

- three years of different high school laboratory sciences  
Lab sciences should be an entire year in length. Please select three from the following list: biology, chemistry, earth science or physics. A laboratory-based integrated science course may be allowed to substitute for one of the three lab sciences. Additionally, an advanced placement course, a higher level international baccalaureate course, or other honors course taken in the last two years of high school in the same subject as a previous course can still satisfy one lab science requirement.
- minimum test scores in three standardized tests from three different subject matters  
The following tests may be taken: SAT II subject test score in chemistry-600, biology-590, physics-620 or ACT test score in science-20.
- three transferable four-credit college laboratory science courses from the following: biology, chemistry, earth science or physics  
An integrated laboratory science or advanced level laboratory-based science may be substituted for one of these laboratory subjects.

### **Second language competency requirement**

Meet one of the following:

- two years of the same high school second language
- attainment of minimum score on a national standardized second language test or placement into a third semester college second language class based on university placement exam results
- two transferable three- or four-credit, college-level courses in the same second language

### **Social science competency requirement**

Meet one of the following options from Section A and one from Section B:

#### Section A

- one year of high school American history
- minimum SAT II subject test score of 560 on American history/social studies
- one transferable three-semester-hour college American history course

#### Section B

- one year of high school social science (e.g., European history, world history, economics, sociology, geography, government, psychology or anthropology)
- minimum SAT II subject test score of 580 on world history
- one transferable three-semester-hour college social science course

## Fine arts or career and technical education competency requirement

Meet one of the following:

- one year (or a combination of two semesters) of high school fine arts or career and technical education
- one transferable three-credit college fine arts course

### Exceptions

You do not need to meet competency requirements if one of the following statements is true:

- You have completed an associate or higher level degree from a regionally accredited postsecondary institution with a minimum 2.00 GPA ("A"=4.00) if you are an Arizona resident, or you have a minimum 2.50 GPA ("A"=4.00) if you are a nonresident.
- You have completed the Arizona General Education Curriculum (AGEC) with a minimum 2.00 GPA ("A"=4.00) if you are an Arizona resident or a 2.50 GPA ("A"=4.00) if you are a nonresident.

See also the ASU Academic Catalog [2]

**Source URL:** <https://admission.asu.edu/first-year/competency-requirements>

### Links:

[1] <https://admission.asu.edu/first-year/competency-requirements#exceptions>

[2] <https://catalog.asu.edu/>

## Self-reporting your grades to ASU

### Self-reported admission application

To expedite admission decisions, ASU accepts self-reported high school grades on the undergraduate admission application. After you graduate from high school, submit a final high school transcript that includes your graduation date. Submission of an ACT or SAT score is highly recommended for merit-based scholarship consideration.

ASU admission decisions for the fall semester begin the first week of September. If you do not meet initial eligibility, you may be placed into individual review and experience a longer wait time for an admission decision.

Incoming Arizona resident freshmen who are eligible for the Obama Scholars Program must have a completed admission application, the application fee or a waiver, and the FAFSA submitted by Jan. 1, 2019. Transcripts and test scores are due by Jan. 15, 2019, in order to be considered for the program.

### Step-by-step self-reporting application guide

#### Step 01: Start your ASU application

Apply online with ASU's Application for Admission [1], the Common Application [2], or the Coalition Application [3]. You need to submit only one application to be considered for admission to ASU.

ASU's Application for Admission [1]    Common Application [2]    Coalition Application [3]

#### Step 02: Click "Yes, I would like to accurately report my grades..."

There will be a drop-down menu where you will enter your overall academics and most importantly, required high school courses.

#### Step 03: Enter all your courses and grades as they appear on your official transcript

- For each academic year 9–12, you will enter all courses and grades individually for English, math, science, social science, language, fine arts, electives, etc.
- Select from a list of course names or write the course in the Course Title section.

- Choose whether this course was taken in a semester, trimester, quarter or full year.
- Enter the level of the course. You can choose from a normal high school course, an honors course, an Advanced Placement course or an International Baccalaureate course.
- Enter your course grade in the Grade section.

**Step 04:** Click on "Add Course" and repeat Step 3 as needed

Keep adding courses until all courses have been submitted.

## **Frequently asked questions about the self-reported application to ASU**

### **What does it mean to self-report my grades?**

During the application process, you will be asked to enter all your courses and grades for years 9 to 11 as they appear on your official high school transcript. You will also be asked to enter your in-progress courses for year 12. Self-reporting your grades speeds up the admission decision process. ASU will verify your grades based on your final transcripts prior to your enrollment.

### **How do I enter my courses and grades?**

To accurately enter all information, you must have your high school transcript when filling out the Required High School Courses section in My Grades. All semester, trimester or quarter grades must be listed in the Required High School Courses section.

### **Am I able to include college courses or dual credit courses I have taken while in high school?**

Yes, the application gives you the option to self-report any college courses or dual credit courses you have taken before enrolling at ASU.

### **What should I do if my high school lists my grades numerically?**

If your transcript includes a numerical grading scale, click on 100 point based in the Grading System section and then select the number range for your grades in the Grades section.

### **When do I submit my final transcripts?**

If you have been admitted and intend to enroll at ASU, you will need to send your official high school transcript once you graduate. Do not send any official transcripts during the application process or before you graduate.

View more FAQs [4]

**Source URL:** <https://admission.asu.edu/first-year/self-reporting>

### **Links:**

[1] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

[2] <https://apply.commonapp.org/Login?ma=901>

[3] <https://www.mycoalition.org/public/info/asu>

[4] <https://admission.asu.edu/contact/faqs#freshman>

## Transcripts for admission to ASU

### Request that your official transcript(s) be sent to Admission Services

Your official transcripts are certified copies from each high school, college, university or technical school you attended that shows the courses you took, grades you earned, and certificates or degrees you were awarded. Arizona State University requires you to send transcripts from every institution you attended.

Upon graduation or the completion of the semester, request that your school or schools send a final transcript directly to ASU to determine final university admission status. Official transcripts must be sent directly to Admission Services at ASU from the issuing institution's records office either by mail [1] or electronically through a secured transcript service approved by ASU.

- Transcripts may not be faxed.
- Transcripts sent via e-mail may be accepted if sent directly from an authorized school official at the issuing institution to ASU at transcripts@asu.edu [2]. If ASU is unable to verify the sender is from the issuing institution, the emailed transcript will not be accepted as official.
- Official transcripts delivered by hand will only be accepted if they are sealed in the original envelope provided by the community college or university and bear the university seal and the signature of the Registrar of the issuing institution.

We will accept transcripts received from the following secured transcript services\*:

- Accellion
- Acclaim / Credly
- Advanced Secure Technologies
- Arizona HSE State Tracking and Report System
- Barracuda
- BridgeU
- Cambridge International
- CDGDC
- CHESSIC
- Cialfo
- CISCO
- Concourse Global
- Credential Solutions
- Digitary
- Docswallet
- Elmira College
- Escript
- eTranscript California
- George Brown College
- Greenlight
- Kiteworks
- LinShare
- LiquidFiles
- MaiaLearning
- MyeQuals
- Nanyang Technological University Singapore
- National Archives at Riverside
- National Student Clearinghouse
- Naviance
- Overgrad
- Parchment
- Proofpoint
- Scoir
- Scribbles Software

- SendThisFile
  - Serv-U
  - SPEEDE
  - Transcripts Plus
  - Truecopy
  - Unifrog
  - Univariety
  - University of Edinburgh
  - Virtru
  - Vitnemalsportalen
  - XAP
  - ZIX
- For transcripts sent through a secured transcript service, please select Arizona State University from the vendor's dropdown list to ensure the transcript is routed to the correct place. If an email address is requested you can route to transcripts@asu.edu [2] or for graduate applicants to gradtranscripts@asu.edu [3]. Please note that transcripts sent by students to transcripts@asu.edu [2] or gradtranscripts@asu.edu [3] will not be accepted as official. These addresses are only for transcripts received from secured and approved transcript services.
  - If you are required to submit a degree certificate along with your transcripts, a scan may be made of the front and back of your certificate and emailed to transcripts@asu.edu [2] for undergraduate applicants or gradtranscripts@asu.edu [3] for graduate applicants. Please make sure that ASU is in possession of your official, final degree posted transcript prior to submission of your degree certificate. The original certificate does not need to be mailed.

\* Note: List is subject to change.

**Important:** If you email a copy of your degree certificate, please only email the degree certificate. Do not include copies of transcripts. Transcripts will not be accepted as official if sent by you and will delay processing of your degree certificate. The transcripts@asu.edu [2] and gradtranscripts@asu.edu [3] email addresses are for receipt of transcripts from vendors and institutions and copies of degree certificates from students. This inbox does not respond to general questions. Questions should be routed to your admission representative [4].

### High school transcripts from the United States

Official transcripts must be sent directly to Admission Services at ASU from the issuing institution's records office either by mail or electronically. Domestic high school transcripts delivered by hand will only be accepted if they are sealed in the original envelope provided by the high school. High school transcripts must show courses, grades, GPA and date of graduation. Sealed official high school transcripts can be sent in the mail or dropped off at the Admission Services customer service counter on the first floor in the Student Services Building [5], window 9, on the Tempe campus.

### Community college or university transcripts from the United States

An official domestic college transcript must be in a sealed envelope sent directly from the issuing institution's records office either by mail or electronically. Transcripts delivered by hand will only be accepted if they are sealed in the original envelope provided by the community college or university.

### International transcripts and exam results

**Graduate applicants:** official, original or authenticated transcripts from every college or university from which you earned a comparable credential to a U.S. bachelor's degree or higher must be sent to ASU in the original language and accompanied by an English translation (if the original document was not issued in English).

**Undergraduate applicants:** official, original or authenticated transcripts and exam results from every secondary or higher-secondary school (grades 9-12) and transcripts from any college or university attended must be sent to ASU in the original language and accompanied by an English translation (if the original document was not issued in English). Request transcripts from each international educational institution you attended and exam boards from which you have official results. Official transcripts must be mailed or sent directly from the issuing institution's records office electronically,

and must include a certified English translation of all documents not issued in English. ASU will accept transcripts sent as email attachments if the email can be verified as coming from an authorized school official at the sending institution.

If your school(s) cannot send your transcripts directly to ASU, you may send official transcripts, making sure they meet one of the following requirements:

- Original academic credentials issued by the registrar of the institution attended, bearing the original raised or colored seal of the institution and the signature of the institution's registrar, academic official or recognized international organization.
- Photocopies of academic credentials that have been verified as true copies of the original by a responsible official of the institution attended or by an education representative of the country's government or embassy. Each page must bear the verifying official's signature and stamp.
- Photocopies of academic credentials that have been certified by a recognized international educational organization, such as EducationUSA, the U.S. Educational Foundation, AMIDEAST or the Institute for International Education.

ASU recommends that you have your international transcripts sent to ASU directly from the issuing institution, utilize a secured transcript service (where available), or obtain an attested copy of the transcript (where possible). Sending your only original copy to ASU should be the last option.

- We recommend students sending documents from abroad use FedEx or DHL in order to obtain a tracking number. If possible, include your ASU student ID number and name written on each page of the transcript(s) you send.
- Any document ASU receives becomes property of ASU and will not be returned to you, unless it is a situation where another copy cannot be obtained.
- Photocopies certified by a notary public are not official and will not be accepted. Scanned copies are also not accepted in lieu of original official academic documents.

### **Transcripts can be sent by mail to the following locations:**

#### **Regular mail**

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe AZ 85287-1004

#### **FedEx, DHL (any sender who will not send to a P.O. box)**

Arizona State University  
Admission Services Applicant Processing  
1150 East University Drive Building C, Room 226  
Tempe, AZ 85281

### **International transcript translations**

Transcripts and degree certificates not issued in English require submission of an English translation in addition to the original language documents. Translations must be literal, complete versions of the originals and must be translated by one of the following:

- Issuing university or college
- Official translation services. Need assistance locating a translation service? Visit American Translators Association [6] to search for a translator for your target language.
- Ministry of Education, consulate or embassy
- Education USA (EdUSA) [7], AMIDEAST [8], U.S. Indian Education Foundation (USIEF) [9]

The translation does not take the place of submitting official academic records in the original language. The translation is in addition to the official academic record. Translations may not be completed by the student. Translations certified by a notary public are not acceptable.

You may not complete your own translation. Please have the translation service mail the official translation to ASU. Translations may also be emailed to [transcripts@asu.edu](mailto:transcripts@asu.edu) [2] by the translation service.

**Note:** some third-party evaluation agencies are also members of American Translators Association and provide both translation and credential evaluation services. If using a third-party evaluation agency for translation services, be sure you are requesting a literal translation. A literal translation is an exact translation of the document (including notation of seals, signatures, etc.). Credential Evaluation reports will have grade and credit conversions and interpretation of the document and are not literal translations.

**Instructions on requesting original international transcript return** (only in cases where another copy is unable to be obtained)

To request a return of your original documents (only in cases where another copy is unable to be obtained) you may use the eShipGlobal service to have your document(s) express mailed to you through FedEx, DHL, or UPS at your own expense. To do so, visit <https://study.eshipglobal.com> [10] (do not visit FedEx, DHL, or UPS sites directly). You will be required to create a user name and password to set up an eShipGlobal account. To request shipment, you will need your ASU ID number, mailing address, e-mail address, phone number, and payment information.

After creating your eShipGlobal account. Follow the steps below to create your shipping label.

1. **Get Started:** Click on the 'get started' link on the home page and select 'receive documents from university'.
2. **Choose University:** Proceed to the university selection and choose Arizona State University-All Locations. You will see two options. One for Intl Students and Scholars Center and one for Admission Services. Be sure to select Admission Services' or your request will not be able to be fulfilled.
3. **Confirm Address:** Next page requests for you to enter your shipping details. There will be a drop down on this page for type of document. Select documents/transcripts.
4. **Select Carrier:** You will see a list of carriers that deliver to your area and the cost for delivery. Select the carrier and option you prefer.
5. **Confirm Payment:** You will see a page requesting your payment information. The payment options for your country will be listed. Options may include one or more of the following: credit/debit, wire transfer, or paypal.

If you have questions about how to use this service, review the Help section of the eShipGlobal website or e-mail [support@eshipglobal.com](mailto:support@eshipglobal.com) [11].

Once you have requested the shipment, please allow up to one month for return of your documents. Admission Services will review your request and if the request can be fulfilled you will receive an email from eShipGlobal to track your return. If a request for return is not made within 60 days of receipt of your documents, we cannot guarantee that we will still have the documents to return. We regularly purge all physical documents after scanning. Email [transcriptreturn@asu.edu](mailto:transcriptreturn@asu.edu) [12] with questions.

### **Applicants with credentials from India**

If you have secondary or postsecondary study from India, you should have your credentials verified through Truecopy and Truecopy will send to ASU electronically through Parchment.

You can begin your order at <http://www.electronictranscripts.com/about-us.php#etquery> [13].



## Applicants with credentials from China- required documents

### Secondary education (中学在校生或毕业生)

#### Junior secondary (初中生)

1. Official transcript for grade 9 (初三成绩单) sent directly to ASU from issuing institution

#### General senior secondary (普通高中)

1. Official Transcript (高中成绩单) sent directly to ASU from issuing institution
2. Official Verification report (认证报告) from CHESICC (学信网) for:
  - a. Secondary School Graduation Certificate (高中毕业证书)
    - i. You can begin your order at [https://www.chsi.com.cn/en/help/howtoapply\\_p\\_en.jsp](https://www.chsi.com.cn/en/help/howtoapply_p_en.jsp) [14]. Your order will be sent electronically to ASU through Parchment.
3. Graduation Certificate (高中毕业证书) (photocopy or scan sent to [transcripts@asu.edu](mailto:transcripts@asu.edu) [2])

#### Vocational secondary (中职/中专生)

1. Official transcript (高中成绩单) sent directly to ASU from issuing institution
2. Graduation Certificate (毕业证书) (photocopy or scan sent to [transcripts@asu.edu](mailto:transcripts@asu.edu) [2])

### Post-secondary (university) programs (大学生或研究生) - complete and incomplete

#### Zhuanke (专科) required document

1. Official Verification Report
  - a. CHESICC verification for zhuanke Graduation Certificate (毕业证书)
  - b. CHESICC verification for zhuanke Transcript (成绩单)
    - i. Your fulfilled order will be sent to ASU electronically through Parchment. Please request English language version. You can begin your order at [https://www.chsi.com.cn/en/help/howtoapply\\_p\\_en.jsp](https://www.chsi.com.cn/en/help/howtoapply_p_en.jsp) [14]
2. Graduation Certificate (毕业证书) (photocopy or scan sent to [transcripts@asu.edu](mailto:transcripts@asu.edu) [2])
3. Official Transcript (成绩单) (photocopy or scan sent to [transcripts@asu.edu](mailto:transcripts@asu.edu) [2] if you have CHESICC send reports otherwise official sent directly to ASU by issuing institution)

#### Benke or higher (本科及以上学历) required documents

1. Official Verification Report (认证报告)
  - a. CDGDC verification for each degree (学位证书). Please have CDGDC send the verification report to [gradtranscripts@asu.edu](mailto:gradtranscripts@asu.edu) [3]
  - b. CHESSIC verification for each transcript (成绩单).
    - i. Your fulfilled order will be sent to ASU electronically through Parchment. Please request English language version. You can begin your order at [https://www.chsi.com.cn/en/help/howtoapply\\_p\\_en.jsp](https://www.chsi.com.cn/en/help/howtoapply_p_en.jsp) [14]
  - c. Graduation Certificate (毕业证书) (photocopy or scan sent to [gradtranscripts@asu.edu](mailto:gradtranscripts@asu.edu) [3])
  - d. Degree Certificate (学位证书) (photocopy or scan sent to [gradtranscripts@asu.edu](mailto:gradtranscripts@asu.edu) [3])
  - e. Official Transcript (成绩单) (photocopy or scan sent to [gradtranscripts@asu.edu](mailto:gradtranscripts@asu.edu) [3] if you have CDGDC and CHESICC verification reports sent otherwise official sent directly to ASU by issuing institution)

### **China Academic Degrees and Graduate Education Development Center (CDGDC)**

- Email: [cqv@cdgdc.edu.cn](mailto:cqv@cdgdc.edu.cn) [15]
- Website: [www.cdgdc.edu.cn/cn/](http://www.cdgdc.edu.cn/cn/) [16] or [cqv.chinadegrees.cn](http://cqv.chinadegrees.cn) [17]

### **China Higher Education Student Information and Career Center (CHESSIC)**

- Email: [info@chsi.com.cn](mailto:info@chsi.com.cn) [18]
- Website: [http://www.chsi.com.cn/en/help/howtoapply\\_e\\_p.jsp](http://www.chsi.com.cn/en/help/howtoapply_e_p.jsp) [19]
- English website: <http://www.chsi.com.cn/en/> [20]

**Source URL:** <https://admission.asu.edu/transcripts>

### **Links:**

- [1] <https://admission.asu.edu/transcripts#mail>
- [2] <mailto:transcripts@asu.edu>
- [3] <mailto:gradtranscripts@asu.edu>
- [4] <https://admission.asu.edu/contact>
- [5] <https://www.asu.edu/map/interactive/?id=120&mrklid=63156>
- [6] <https://www.atanet.org>
- [7] <https://educationusa.state.gov/>
- [8] <https://www.amideast.org/>
- [9] <https://www.usief.org/in/>
- [10] <https://study.eshipglobal.com>
- [11] <mailto:support@eshipglobal.com>
- [12] <mailto:transcriptreturns@asu.edu>
- [13] <http://www.electronictranscripts.com/about-us.php#etquery>
- [14] [https://www.chsi.com.cn/en/help/howtoapply\\_p\\_en.jsp](https://www.chsi.com.cn/en/help/howtoapply_p_en.jsp)
- [15] <mailto:cqv@cdgdc.edu.cn>
- [16] <http://www.cdgdc.edu.cn>
- [17] <http://cqv.chinadegrees.cn>
- [18] <mailto:info@chsi.com.cn>
- [19] [https://www.chsi.com.cn/en/help/howtoapply\\_e\\_p.jsp](https://www.chsi.com.cn/en/help/howtoapply_e_p.jsp)
- [20] <http://www.chsi.com.cn/en/>

## **Admitted first-year student next steps**

### **Welcome to Arizona State University.**

You're now on your way to becoming part of the most innovative and forward-thinking university in the nation.

### **Your next steps**

#### **Enrolling for fall 2021**

They say the longest journey begins with a single step. Well, enrolling at ASU isn't really a "long journey," but it does begin with one step, followed by a few more. Start taking your steps and check them off as you complete them so you can get closer to becoming a Sun Devil.

Important dates [1]

**On Monday, Feb. 15, 2021, ASU announced plans for the fall 2021 semester. Read this message to learn more.**

Read announcement [2]

### **Activate your ASURITE UserID and ASU email.**

Your ASURITE User ID grants you access to My ASU and university services. You'll find reminders for things like submitting your final transcripts, sending in your test scores and submitting your immunization forms. While activating your ASURITE User ID, set up your ASU email account. This is the official email address to which the university sends messages about programs and opportunities.

[asu.edu/asurite](#) [3]

[ASURITE Activation](#) [4]

If you need helping logging in, you can have your activation code for My ASU sent to you by visiting [admission.asu.edu/resendcode](#) [5] or by contacting your admission team member [6].

### **Give your parents access to your records and account**

Through My ASU Parent Guest Access, you can share your academic records with your parent or guardian, and even better, give them access to pay your tuition and bills. Go to My ASU, select the Profile tab at the top and find "Add a Guest" under My ASU Guest Access Permissions. [my.asu.edu](#) [7]

### **Pay your enrollment deposit.**

Beginning Oct. 1, you can confirm your place in the fall 2021 class by submitting your deposit. Then make sure to check My ASU often for any Priority Tasks you need to complete to enroll for fall 2021.

[Confirm your spot](#) [7]

Interested in learning more about your next steps? Attend one of our live-hosted virtual events focused on your next steps once submit your deposit.

[Live-hosted virtual workshop: Next steps for admitted students](#) [8]

### **Submit your FAFSA and apply for scholarships**

The 2021–2022 Free Application for Federal Student Aid is available beginning Oct. 1. Submit your completed FAFSA by ASU's Jan. 15 priority filing date to be considered for the most need-based aid. ASU's Federal School Code is 001081.

[Watch Tutorial](#) [9]

[Submit FAFSA](#) [10]

Interested in learning more about completing your FAFSA? Attend one of our live-hosted virtual programs focused on everything you need to know to submit and complete the FAFSA.

Search and apply for departmental and private scholarships through ASU's Scholarship Portal. The general scholarship application, which is used for many ASU scholarships, is typically available in September and closes by Feb. 1.

[Scholarship Portal](#) [11]

Interested in learning more about paying for college? Register for one of our live hosted virtual events about this topic.

[Live-hosted virtual workshop: Preparing and completing the FAFSA](#) [12]

[Live-hosted virtual workshop: Scholarships and Paying for College](#) [13]

### **New Student Experience.**

At ASU's New Student Experience, accessed online in My ASU, you will prepare to take classes in the fall by completing essential next steps for enrollment. There are four steps — log in to My ASU [7] to view details.

[Learn more](#) [14]

Live-hosted virtual workshop: Next steps for admitted students [15]

### **Confirm your housing and dining.**

ASU first-year students live in the residential college of their academic major. Barrett students live in the Barrett residential community for their first two years. Once you've paid your enrollment deposit, you can select your housing and dining preferences in ASU's housing portal [16].

Select your housing [17]

Learn more [18]

### **Prepare to take your next steps to become a Sun Devil.**

Check My ASU to stay on top of things like the new student orientation module, where you will become prepared to attend classes in the fall by completing essential next steps for enrollment — including academic advising and finalizing your class schedule.

Next steps [7]

Countdown to ASU [19]

Admitted student events [20]

### **Need help?**

#### **We're here for you.**

ASU admission team members can answer your questions and guide you through each step of your enrollment process between now and the time you get started. Connect and get to know yours. We're here for you.

Schedule a one-on-one appointment [21]

### **Enrollment dates**

#### **Enrolling for fall 2021**

(Classes begin Aug. 19, 2021)

### **Your Sun Devil starter kit**

#### **Next steps: First year**

Download [22]

### **Guide to My ASU**

Download [23]

### **Guide to living on campus**

Download [24]

**Source URL:** <https://admission.asu.edu/first-year/admitted>

#### **Links:**

[1] <https://yourfuture.asu.edu/importantdeadlines>

[2] <https://yourfuture.asu.edu/fall2021>

[3] <https://asu.edu/asurite>

- [4] <https://weblogin.asu.edu/password/activation>
- [5] <https://weblogin.asu.edu/password/activation?step=resendCode>
- [6] <https://admission.asu.edu/findmyrep>
- [7] <https://my.asu.edu/>
- [8] [https://asu.zoom.us/webinar/register/4416043493038/WN\\_-IFEpWvxRrO4AGvrl7MWtg](https://asu.zoom.us/webinar/register/4416043493038/WN_-IFEpWvxRrO4AGvrl7MWtg)
- [9] <https://www.youtube.com/watch?v=3mwJOUdrGvU>
- [10] <https://fafsa.gov>
- [11] <https://scholarships.asu.edu/myportal>
- [12] [https://asu.zoom.us/webinar/register/WN\\_Ryh\\_a9zPSxuK6twySLpX8A](https://asu.zoom.us/webinar/register/WN_Ryh_a9zPSxuK6twySLpX8A)
- [13] [https://asu.zoom.us/webinar/register/WN\\_XCTiegOKSJJaLXE0thOAnLg](https://asu.zoom.us/webinar/register/WN_XCTiegOKSJJaLXE0thOAnLg)
- [14] <https://eoss.asu.edu/orientation/new-student>
- [15] [https://asu.zoom.us/webinar/register/4416043493038/WN\\_-IFEpWvxRrO4AGvrl7MWtg](https://asu.zoom.us/webinar/register/4416043493038/WN_-IFEpWvxRrO4AGvrl7MWtg)
- [16] <https://asu.starrezhousing.com/StarRezPortalX/EF39AF6A/14/25/Home-Home?UrlToken=0888FD2E>
- [17] <https://housing.asu.edu/>
- [18] <https://admission.asu.edu/campus-life/housing-dining>
- [19] <https://yourfuture.asu.edu/countdown-to-asu>
- [20] <https://visit.asu.edu/first-year-admitted-student-events>
- [21] <https://asu.edu/findmyrep>
- [22] [https://admission.asu.edu/sites/default/files/admitnextsteps\\_0.pdf](https://admission.asu.edu/sites/default/files/admitnextsteps_0.pdf)
- [23] [https://admission.asu.edu/sites/default/files/ftf\\_myasuinsert\\_fa20\\_downloadable\\_12.01.20.pdf](https://admission.asu.edu/sites/default/files/ftf_myasuinsert_fa20_downloadable_12.01.20.pdf)
- [24] [https://admission.asu.edu/sites/default/files/first-yearadmitpackethousinggatefold\\_download\\_2\\_compressed.pdf](https://admission.asu.edu/sites/default/files/first-yearadmitpackethousinggatefold_download_2_compressed.pdf)

## Admission for homeschool students

### Apply to ASU

Arizona State University welcomes homeschool students and recognizes the unique academic experiences these students contribute to our rich, scholarly environment. We have a growing community of home-educated students who thrive at ASU.

We understand that your academic background differs from students who attended traditional public, private or charter schools. As a homeschool student, you can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.

### Admission requirements

As a homeschool student, you must meet the general requirements for ASU admission, including specific documentation with your application to confirm your completion of the requirements.

First-year student requirements [1]      Transfer student requirements [2]

### Steps to apply to ASU as a home school student

**Step 01:** Complete an undergraduate admission application.

Apply online with ASU's Application for Admission [3], the Common Application [4] or the Coalition Application [5]. You need to submit only one application to be considered for admission to ASU.

To expedite the admission decision, self-report your high school grades [6] in the application.

ASU does not have a preference for which application you use to apply. ASU does not require an essay or personal statement in any of these options.

ASU's Application for Admission [3]

Common Application [4]

Coalition Application [5]

**Step 02:** Submit the nonrefundable application fee

Arizona residents: \$50  
Domestic nonresidents: \$70  
International nonresidents: \$85

You can pay using a credit card (Visa or Mastercard) or eCheck at the time you submit your application or when you log in to My ASU. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe AZ 85287-1004

If you applied for admission through the Common Application [4] or Coalition Application [5], pay the application fee through those applications.

There is no form, paper or code to submit for an application fee waiver. If your financial circumstances qualify you for an application fee waiver, you will answer a series of questions in the application that will automatically qualify you and post to your account.

**Step 03:** Submit a secondary school education affidavit and high school transcript (if applicable).

Upon completion of your secondary school education, and for any courses completed through homeschool, complete the Affidavit of Completion of Secondary School Education [7]. The affidavit must be completed by a parent or guardian and notarized.

Homeschool applicants may self-report their grades or send a homeschool transcript. A homeschool transcript is a list of courses you have taken and the credit and grade associated with each course.

If you have completed courses through a traditional high school, you may self-report your grades or have your high school send an official copy of your transcripts [8] to ASU.

If you have coursework from both a traditional high school and from homeschool, please self-report grades for both or have a transcript for each sent to ASU.

If you have earned college or university credit, request to have your official transcripts [8] sent directly to ASU from the issuing institution.

**Step 04:** Submit the Evaluation of Laboratory Science Courses form.

Per Arizona Board of Regents policy, laboratory sciences must include one class period per week in a laboratory environment. Students must complete one Evaluation of Laboratory Science Courses form [7] per laboratory science taken in a homeschool environment as part of the application process. Please email your completed Evaluation of Laboratory Science Courses form(s) to ASU's homeschool representative [9].

**Step 05:** Send ACT or SAT scores (not required).

ACT or SAT scores are not required for admission, but may be submitted for ASU course placement and to meet aptitude requirements if you have less than a 3.00 GPA in your competency courses. To find the requirements for your specific program, please visit ASU's Degree Search [10]. Have your scores sent to ASU from ACT [11] or College Board [12] when you register for the test. Learn more about sending your test scores to ASU in our FAQ section [13].

**Step 06:** Check application status.

Once you've completed all these steps, ASU will review your application. To see if you have any missing items and to review your admission status, log in to My ASU [14] using your ASURITE User ID, which is sent to you after you apply for admission.

**Step 07:** Fill out the FAFSA.

The Free Application for Federal Student Aid is used to award grants, loans, Federal Work-Study and certain scholarships. We encourage you to compare financial aid and college costs [15]. You can file the FAFSA [16] now. ASU's Federal School Code is 001081.

## Admission to Barrett, The Honors College

Homeschool students who want to be considered for admission to Barrett, The Honors College [17] are encouraged to submit a separate application — early application is strongly suggested. Please contact the Barrett admission staff [18] for help with any questions about the college and application process.

## Scholarship opportunities

Homeschool students will be considered for ASU scholarships upon admission. Explore scholarships and additional types of financial aid [19].

## Frequently asked questions about homeschool student admission at ASU

**Can I be admitted to ASU as a homeschool student?**

Yes, ASU welcomes and values all our homeschool students and the special academic experiences they bring to the university. Homeschool students submit the same ASU admission application as students who went to public or private school.

**Are homeschool student admission requirements the same as high school student admission requirements?**

Yes, like public and private high school students, homeschool students must meet and demonstrate completion of ASU's general requirements for university admission [1].

**Can homeschool students apply for financial aid?**

Yes, homeschool students are eligible to apply for and receive financial aid. You should submit the Free Application for Federal Student Aid [20] to see how much federal aid you may be eligible to receive. By submitting ACT or SAT scores, ASU will automatically consider you upon admission for a merit scholarship.

View more FAQs [21]

**Source URL:** <https://admission.asu.edu/first-year/homeschool>

**Links:**

[1] <https://admission.asu.edu/first-year/apply>

[2] <https://admission.asu.edu/transfer/apply>

[3] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)

[4] <https://apply.commonapp.org/Login?ma=901>

[5] <https://www.mycoalition.org/public/info/asu>

[6] <https://admission.asu.edu/first-year/self-reporting>

[7] <https://admission.asu.edu/first-year/homeschool/affidavit>

[8] <https://admission.asu.edu/transcripts>

[9] <https://admission.asu.edu/stevenson>

[10] <https://asu.edu/degrees>

[11] <https://www.act.org/content/act/en/products-and-services/the-act/scores/sending-your-scores.html>

[12] <https://collegereadiness.collegeboard.org/sat/scores/sending-scores/how-to-send>

[13] <https://admission.asu.edu/contact/faqs#general>

[14] <https://my.asu.edu>

[15] <https://admission.asu.edu/cost-aid>

[16] <https://fafsa.ed.gov>

[17] <https://barretthonors.asu.edu/>

[18] <https://barretthonors.asu.edu/about/contact-us>

[19] <https://scholarships.asu.edu/>

[20] <http://fafsa.gov/>

[21] <https://admission.asu.edu/contact/faqs#freshman>

## Homeschool affidavit and lab sciences evaluation

**Homeschool students, upon completion of secondary school education, should complete the Affidavit of Completion of Secondary School Education. The affidavit must be completed by a parent or guardian and notarized.**

Per Arizona Board of Regents policy, laboratory sciences must be conducted in real labs. Please complete the Evaluation of Laboratory Science Courses form in order for us to determine if the laboratory science courses taken meet ABOR requirements. If you have questions about the laboratory sciences requirement, please call 480-965-7788.

Homeschool students without transcripts may be admissible with a GED score of 500 or above for tests taken before January 2014 or a GED score of 170 or above for tests taken after January 2014. Download the forms here:

[Affidavit of Completion of Secondary School Education \[1\]](#)

[Evaluation of Laboratory Science Courses \[2\]](#)

### Having issues downloading a form?

If you are having issues viewing one of the forms above, please follow these instructions:

1. Right-click on link and choose "Save link as...", or similar depending on your browser.
2. Choose the location to save the form.
3. Navigate to the location of the saved form on your computer and double-click it to open.

**Source URL:** <https://admission.asu.edu/first-year/homeschool/affidavit>

### Links:

[1] [https://admission.asu.edu/sites/default/files/home-school-affidavit\\_0\\_0.pdf](https://admission.asu.edu/sites/default/files/home-school-affidavit_0_0.pdf)

[2] [https://admission.asu.edu/sites/default/files/general/science\\_form\\_home\\_school\\_applications-fillable.pdf](https://admission.asu.edu/sites/default/files/general/science_form_home_school_applications-fillable.pdf)



# Transfer student admission

## How to transfer colleges

Learn how and when to apply to ASU.

### Step 1

Your info [1]

### Step 2:

Academic history [2]

### Step 3:

Grades [3]

### Step 4:

Residency [4]

### Step 5:

Choose a major [5]

### Step 6:

Submit [6]

**Step 01:** Complete the undergraduate application for admission.

Apply online with ASU's Application for Admission [7], the Common Application [8] or the Coalition Application [9]. We have no preference between the ASU application, the Common Application or the Coalition Application. If two applications are submitted, one will be canceled in our system. Application fees are nonrefundable.

ASU's Application for Admission [10]

Common Application [8]

Coalition Application [9]

**Step 02:** Activate My ASU and your ASURITE UserID

You will receive your ASURITE UserID and activation code via email within one to three business days of submitting your application. If you have previously applied to ASU, your ASURITE UserID will remain the same. You'll use your ASURITE UserID to login to My ASU.

**Step 03:** Submit the nonrefundable transfer application fee

Arizona residents: \$50

Domestic nonresidents: \$70

You can pay for the ASU application fee using a credit card (Visa or MasterCard) or eCheck at the time you submit your transfer application or when you log in to My ASU [11]. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services Applicant Processing

Arizona State University

PO Box 871004

Tempe, AZ 85287-1004

If you applied for admission through the Common Application [8] or Coalition Application [9], pay the application fee through those applications.

**Step 04:** Request to have your official transcripts sent to ASU

### College or university transcripts

ASU requires official transcripts from all previous institutions attended in order to process your application. Please contact the registrar's office at your college or university and request your official transcripts be sent directly to Admission Services. Official transcripts delivered by hand will be accepted only if they are sealed in the original envelope provided by the community college or university and bear the university seal and the signature of the registrar of the issuing institution.

If your college or university uses Parchment, eSCRIP or National Clearinghouse to send electronic transcripts, please request that your institution sends us your official transcripts by choosing Arizona State University on the request form.

Upon graduation or completion of your final semester at your current school, request a final transcript be sent directly to ASU Admission Services [12] to determine final admission status. Receipt of your final transcript impacts financial aid disbursement and your eligibility to register for classes. (Note: ASU does not accept faxed college transcripts.)

Find out more about transferring credits to ASU [13]

### **High school transcripts**

If you haven't completed an associate degree, you must submit one of the following:

- Official high school transcript with a graduation date
- Official GED/HiSet transcripts
- Affidavit of Completion of Secondary School Education

ASU accepts hand-delivered official high school transcripts in sealed envelopes from applicants. (ASU does not accept faxed high-school transcripts.)

NOTE: Transfer applicants with 24 or more transferable semester credit hours from a regionally accredited college or university, and who will be 22 or older by the start of the requested semester of admission, will not be required to submit a high school transcript for admission. Once all prior college or university transcripts and outstanding admission items are received and verified, the high school transcript requirement will be waived. Transfer applicants are required to have graduated from an approved high school (or equivalent) prior to the semester of requested admission at ASU, and to include this information on the application for admission.

### **Test scores**

If applicable, have your ACT or SAT scores sent directly to ASU. If you have taken AP, IB or CLEP exams, request your scores be sent directly to ASU.

**Have your test scores (e.g., ACT, SAT, TOEFL) and official high school or college transcripts sent from the issuing institution to the address below.**

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

Are you an international transfer student? International transfer student information [14]

## **Transfer student admission requirements**

A transfer applicant is a student who has attended one or more colleges or universities and has completed 12 or more transferable credits post-high school. Students with 11 or fewer transferable credits are considered incoming freshmen.

### **Competency requirement**

You must have completed one of the following:

- graduated from high school
- earned a GED

### **Aptitude requirement**

You must meet one of the following:

- Transfer students with 12–23 transferable credits must also have a minimum 2.50 cumulative transfer GPA and meet first-year student admission requirements.
- Transfer students with 24 or more transferable credits must have a minimum 2.50 cumulative transfer GPA.
- Transfer students who have earned an associate degree or higher from a regionally accredited higher education institution must have a minimum 2.00 cumulative GPA (for Arizona residents) or 2.50 cumulative GPA (for nonresidents).

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Some majors have higher admission requirements. To find the requirements for your specific program, please visit ASU's Degree Search [15].

“A” = 4.00; ASU accepts college-level courses in which you have earned a “C-” or better.

## Schedule a transfer appointment

Make a half-hour appointment with an ASU transfer specialist or college representative to learn more about studying at ASU and get all your questions answered.

Schedule an appointment [16]

## Important transfer deadlines

### Fall 2021:\*

#### Oct. 1, 2020

2021–2022 FAFSA opens

#### Jan. 15, 2021

FAFSA priority date

#### Feb. 1, 2021

Priority admission deadline

#### Late Feb. 2021

Class registration begins

#### Aug. 19, 2021

Classes begin

### Spring 2022:

#### Oct. 1, 2021

FAFSA priority date

#### Oct. 1, 2021

Priority admission deadline

#### Late Oct. 2021

Class registration begins

#### Dec. 2021

Submit your final transcripts

#### Jan. 11, 2022

Classes begin (projected start of term)

\*Students must submit their FAFSA and application materials by Feb. 1 to be considered for ASU merit and need-based awards. Late applicants will be considered for university admission, but ASU undergraduate degree programs with higher transfer admission standards will give priority consideration to applications submitted by Feb. 1. You can find other important dates on ASU's academic calendar [17].

## Frequently asked questions about transferring to ASU

### What are ASU transfer requirements?

To apply to ASU as a transfer student, you must have earned either a high school diploma or a GED. Additionally, you must have transferrable college credits or an associate degree and meet GPA requirements.

### When (during my studies) should I apply for transfer admission?

You should begin the transfer application process one year prior to your planned start date at ASU. This will help ensure a smooth transition to the university as well as increase your opportunities for financial assistance.

### How do I apply for transfer admission to ASU?

If you meet university admission requirements, you can apply for transfer admission by completing the undergraduate student application [10], paying the application fee, and having your official transcripts and test scores to ASU.

View more FAQs [18]

**Source URL:** <https://admission.asu.edu/transfer/apply>

### Links:

- [1] <https://youtu.be/68o3q9Hyvek>
- [2] <https://youtu.be/iYQIQgu2X2c>
- [3] <https://youtu.be/J7xwYf1NbTU>
- [4] <https://youtu.be/QvcgOihkme8>
- [5] <https://youtu.be/JSUsoRU-zl4>
- [6] <https://youtu.be/lcEiT0ylLJE>
- [7] <http://www.asu.edu/ugapp>
- [8] <https://apply.commonapp.org/Login?ma=901>
- [9] <https://www.mycoalition.org/public/info/asu>
- [10] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)
- [11] <https://my.asu.edu/>
- [12] <https://admission.asu.edu/transcripts>
- [13] <https://admission.asu.edu/transfer/transferring-credits>
- [14] <https://admission.asu.edu/contact/international>
- [15] <https://degrees.asu.edu>
- [16] <https://admission.asu.edu/contact/transfer>
- [17] <https://students.asu.edu/academic-calendar>
- [18] <https://admission.asu.edu/contact/faqs#transfer>

## Transfer FAQs

### How do I know if I'm considered a transfer student?

At ASU, a transfer student is anyone applying for admission who has attended another college or university and has completed 12 or more transferable credits post-high school, at the time of application. If you are completing college courses while in high school you are considered a freshman and not a transfer student.

**Do I have to take the ACT or SAT to transfer to ASU?**

It depends on your particular situation. If you transfer fewer than 24 transferable credits, you must also meet freshman admission requirements, which may require ACT and SAT scores. Also, some majors, such as business, require a particular ACT or SAT score for admission into the program. Take a peek at the ASU undergraduate Degree Search [1] for admission information specific to your major.

**Who can I speak with about my transfer to ASU?**

ASU's expert transfer specialists are available to answer your questions and help with your transfer to ASU. Find your transfer specialist [2].

**Do I need to send my high school transcripts to apply for admission?**

Transfer applicants with 24 or more transferable semester credit hours from a regionally accredited college or university, and who will be 22 or older by the start of the requested semester of admission, will not be required to submit a high school transcript for admission. Once all prior college or university transcripts and outstanding admission items are received and verified, the high school transcript requirement will be waived. Transfer applicants are required to have graduated from an approved high school (or equivalent) prior to the semester of requested admission at ASU, and to include this information on the application for admission.

**Do I have to send all my college transcripts as part of my admission application?**

Yes, for ASU to determine whether you meet admission requirements, we must evaluate your entire academic history, including course work completed at each college or university attended, regardless of academic performance. College transcripts should be sent directly from your college to:

ASU Admission Services  
P.O. Box 871004  
Tempe, AZ 85287-1004

**I attended ASU previously. Am I a transfer student or a readmission student? Do I need to reapply?**

If you have previously attended ASU as a degree-seeking student, you will be considered a readmission student. Please see readmission information [3].

**I applied to ASU and was admitted, but did not attend. Do I need to reapply?**

Yes, you need to reapply. Be sure to sign in to My ASU [4] to see if any additional items are needed to complete your file.

**Do I have to have an associate degree to transfer to ASU?**

No, you can transfer to ASU at any time as long as you meet the transfer admission requirements. However, ASU recommends attaining your associate degree before transferring.

**As a transfer student, how do I know how many credits can be applied toward my major?**

Once you are admitted, you'll work with your academic advisor and review your DARS (Degree Audit Report System) to see which credits apply to your major.

**What prerequisites do I need to complete before I can transfer to ASU?**

There are no prerequisites required to be admitted to ASU, unless you have fewer than 24 transferable credits. Students with fewer than 24 transferable credits are required to meet freshman admission requirements [5], including aptitude and competency requirements.

**Can I live on campus as a transfer student?**

Yes, ASU has housing devoted specifically to upper-division students and strongly encourages all students to live on campus during their first year at ASU. For more information, please refer to University Housing [6].

There are also a variety of off-campus housing options in close proximity to ASU's campuses. For more information on off-campus housing, check out Off-Campus Housing [7].

### **If I'm attending a California community college, is the IGETC/CSU GE required to transfer to ASU?**

The IGETC/CSU GE is not a requirement for admission to ASU but is highly recommended. Completing either of the GE patterns and getting certified by your community college will satisfy the General Studies requirements at ASU. Learn more about how to transfer to ASU from a California community college.

### **What does it mean to get IGETC/CSU GE certified?**

Getting certified means you have completed all General Education requirements at your California community college. If you have confirmed with your community college counselor that you are eligible for the certification, ASU will require that you submit the official certification along with your official transcripts to Admission Services.

### **Currently, I don't meet the Western Undergraduate Exchange admission requirements. Should I wait to apply?**

No. Even though you may not currently qualify for WUE, we will always re-evaluate your admission to the program if you currently have courses in progress and submit your final transcripts.

### **I live in California but would like to meet with an ASU representative in person to discuss the transfer process. Is this possible?**

ASU representatives will be attending college transfer fairs and hosting various visits at community colleges throughout California. Find your transfer specialist [2] to ask about upcoming opportunities near you.

### **How do my credits transfer to ASU?**

ASU awards transfer credit for college-level coursework as long as it was completed at a regionally accredited institution, you earned a grade of "C" or higher, and ASU offers an equivalent course. To see how your credits transfer to ASU, use our online Transfer Guide [8]. Click on Course Search to get started. Read more about how your credits transfer to ASU [9], and if you have additional questions, contact your transfer representative [10].

### **When should I apply to ASU? What are the application deadlines?**

ASU uses a rolling admission process that allows for a flexible time frame. ASU typically recommends that students start their steps to apply at least one semester prior to their starting term at ASU. It may take approximately two to six weeks to receive an admission decision once all requested materials are received. Although there are no "hard" deadlines to apply to ASU, there are a few priority dates to keep in mind if you'd like to maximize your opportunities for financial aid. You can review these dates, as well as admission requirements and steps to apply, at [admission.asu.edu/transfer/apply](https://admission.asu.edu/transfer/apply) [11].

**Source URL:** <https://admission.asu.edu/contact/faqs#accordion-section-t15>

#### **Links:**

[1] <https://webapp4.asu.edu/programs>

[2] <https://transfer.asu.edu/contact>

[3] <http://students.asu.edu/readmission>

[4] <https://my.asu.edu/>

[5] <http://students.asu.edu/freshman/requirements>

[6] <http://asu.edu/housing>

[7] <https://offcampushousing.asu.edu>

[8] <https://webapp4.asu.edu/transfercreditguide/app/home?init=false&nopassive=true>

[9] <https://admission.asu.edu/transfer/transferring-credits>

[10] <https://admission.asu.edu/contact/transfer>

[11] <https://admission.asu.edu/transfer/apply>

## Transfer to ASU from a college or university

### Plan your transfer path to ASU. Stay connected to your college journey.

Introducing MyPath2ASU™ — a set of customized tools to help transfer students from U.S. regionally accredited institutions (including international students transferring from U.S. regionally accredited institutions). MyPath2ASU™ creates a seamless transfer experience to ASU after earning credits or an associate's [sic] degree from a U.S. community college or university. Choose from more than 400 pathways into an on-ground or online ASU degree program, and have access to personalized benefits to help you navigate the transfer experience. Plan a path into your major of choice by taking classes that transfer to ASU—shortening your time to degree completion. A simple, seamless transition into one of the nation's top 10 universities for undergraduate education — that's MyPath2ASU™.

Get started with MyPath2ASU™ [1]      Search MyPath2ASU™ majors [2]

### The benefits of transferring with MyPath2ASU

#### **Guaranteed general admission to ASU and into major of choice if all requirements are satisfied.\***

Guaranteed general admission to ASU and admission into major of choice if all requirements are satisfied\*. Some majors have additional or higher admission requirements.

#### **400+ on-ground and online pathways**

Every student experiences a different degree path. MyPath2ASU™ includes over 400+ immersive and online pathways, so every transfer student can fuel their own college experience.

#### **Minimize loss of credit**

Use personalized course-by-course transfer maps that are curated to take the guesswork out of transfer work. MyPath2ASU™ assists you in selecting the right courses to take at your current transfer institution for your ASU bachelor's degree.

#### **Self-service transfer tools**

Receive direct access to my MyPath2ASU™ and the additional Transfer Guide tools that are available to assist in planning your path to ASU. You will be able to manage your Transfer Pathways, request course evaluations, save course searches, save exam searches and more.

#### **Personalized support**

Receive communication per major of choice to help you academically prepare for your ASU major. Access to ASU's transfer specialists and pre-enrollment services and invitations to special events to ASU.

#### **Save time and money**

MyPath2ASU™ features My Transfer Guide, a personalized portal to effortlessly track your own degree progress. From the very beginning, ASU works with you to figure out how your credits will transfer and plan your path to graduation.

\*General university admission is guaranteed upon successful completion of the following conditions: 1) Completion of an associate degree from a regionally accredited higher education institution with a minimum 2.00 cumulative GPA (Arizona residents) or 2.50 cumulative GPA (nonresidents) or 2) completion of 24 or more transferable semester credits post-high school with a minimum cumulative transfer GPA of 2.50 (4.00 = "A") and verification of high school graduation or the equivalent. NOTE: Some ASU colleges and schools have additional or higher requirements for admission into their majors. Students will also need to submit an Arizona State University admission application, including an application fee and other required documents, such as official college/university transcripts. MyPath2ASU™ pathway programs are based on a minimum of 24 transfer credit hours; students with fewer than 24 credit transfer credit hours will need to meet the appropriate admission [3] requirements. International students will need to meet international admission requirements [4].

## The MyPath2ASU™ transfer process

### Create MyPath2ASU™ [2]

- Pick your ASU major
- Sign up for MyPath2ASU™
- Track progress towards transfer

### Complete your MyPath

- Apply [5] to transfer to ASU
- Become a Sun Devil

### Finish your ASU degree

- You're one step closer to achieving your academic goals

## Learn more by attending an ASU virtual event

### Attend a MyPath2ASU™ virtual workshop

Welcome all transfer students. Please join us for a live virtual workshop. We'll navigate the MyPath2ASU™ transfer experience, and you can ask questions, connect with other ASU transfer students and start your seamless college journey to ASU.

Sign up now [6]

### Explore your visit options

Each of ASU's campuses has a unique identity, yet are all part of the university ranked #1 for innovation in the nation by U.S. News & World Report. Explore what each of ASU's campuses has to offer through virtual visits [7], and get a taste for what it's like to be on campus and live like a Sun Devil.

## Your next steps to applying to ASU

As you're completing your community college coursework, if you have questions about the admission process, requirements or transcripts contact your transfer coordinator and they will be happy to help.

Or if you're ready to apply to ASU, you can begin your application for admission up to a year before you are ready to transfer.

How and when to apply [3]      Contact a transfer coordinator [8]

**If you signed a TAG agreement prior to summer 2017, find your degree program outline [9].**

## College and university alliances

ASU strives to serve students and communities across Arizona and the country. Working in partnership with community colleges, local communities and other educational institutions, ASU specialty alliances offer high-demand programs for students in various modalities to allow customizable ways to finish their bachelor's degree.

MAPP MyPath2ASU [10]

AAS to BAS [11]

ASU@Pinal [12]

ASU@Yuma [13]

ASU@Yavapai [14]

ASU@TheGilaValley [15]

ASU@Cochise [16]

ASU@Pima [17]



ASU@Northeastern Arizona [18]  
BYU-Idaho [19]  
Arizona Christian University [20]  
Acceso ASU [21]

## Frequently asked questions about transfer pathway programs

### What is MyPath2ASU™ and how does it affect my MAPP, TAG, or GPA agreement?

MyPath2ASU™ is a new set of customized tools to help students transfer from community college to ASU. It makes transferring colleges seamless by allowing students to plan their path to transfer into their major at ASU by taking the right classes. Your MAPP, TAG or GPA agreement has been updated to a MyPath2ASU™. No changes are necessary.

### When should I sign up for MyPath2ASU™ and how long do I have to complete it?

Students can sign up for MyPath2ASU™ when they enroll in community college. Upon signing your MyPath2ASU™ agreement, you have four academic years to complete a MyPath2ASU™.

### Can I change my major after I sign up for MyPath2ASU™?

Yes, you can change your major.

If you are a student from Maricopa County Community College District you can update your pathway agreement by signing up for a new MAPP MyPath2ASU™. For all other students, you can change your pathway agreement by logging into My Transfer Guide account and updating your current MyPath2ASU™ agreement.

View more FAQs [22]

**Source URL:** <https://admission.asu.edu/transfer/MyPath2ASU>

### Links:

- [1] <https://webapp4.asu.edu/transfercreditguide/app/institutionselection#forward>
- [2] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>
- [3] <https://admission.asu.edu/transfer/apply>
- [4] <https://admission.asu.edu/international/undergrad-student>
- [5] [https://webapp4.asu.edu/uga\\_admissionsapp](https://webapp4.asu.edu/uga_admissionsapp)
- [6] [https://asu.zoom.us/webinar/register/WN\\_1BE3dIA8TI-kZ5GJWLk8NQ](https://asu.zoom.us/webinar/register/WN_1BE3dIA8TI-kZ5GJWLk8NQ)
- [7] <http://visit.asu.edu/>
- [8] <https://admission.asu.edu/contact/transfer>
- [9] <https://admission.asu.edu/agreement>
- [10] <https://admission.asu.edu/transfer/maricopa>
- [11] <https://admission.asu.edu/transfer/aas-bas-pathways>
- [12] <https://admission.asu.edu/transfer/pinal>
- [13] <https://admission.asu.edu/transfer/asu-yuma>
- [14] <https://admission.asu.edu/transfer/asuyavapai>
- [15] <https://admission.asu.edu/transfer/the-gila-valley>
- [16] <https://admission.asu.edu/transfer/asu-cochise>
- [17] <https://admission.asu.edu/transfer/asu-pima>
- [18] <https://admission.asu.edu/transfer/asu-northeastern-arizona>
- [19] <https://admission.asu.edu/transfer/byu-idaho>
- [20] <https://admission.asu.edu/transfer/arizona-christian-university>
- [21] <https://mexico.asu.edu>
- [22] <https://admission.asu.edu/contact/faqs#transfer>

## Maricopa Community College transfer students

### Welcome, Maricopa Community College students

Transferring from the Maricopa County Community College District to Arizona State University can be a smooth process when planned. As a Maricopa student, there are a couple of ways to earn your bachelor's degree at ASU. Find what works best for you and we'll help you plan your path.

### MAPP MyPath2ASU

MAPP MyPath2ASU™ helps students plan and complete prescribed coursework designed so that MCCCDC students transition smoothly to ASU and earn their bachelor's degree.

Sign up for MAPP MyPath2ASU [1]

### MAPP MyPath2ASU majors

These ASU degree programs are available through the MAPP MyPath2ASU and apply to all Maricopa Community Colleges, though course offerings vary by Maricopa location. Search by campus, area of interest, keyword, or ASU college or school, or show all available MAPP MyPath2ASU.

[Archivist's note: major selector tool unable to be archived]

Or show all [2]

### Learn about the MAPP MyPath2ASU

#### MAPP MyPath2ASU benefits

Students who sign up for the MAPP MyPath2ASU can:

- **receive guaranteed admission** to their desired ASU major once requirements are met
- **save time and money** by taking the courses you need to transfer to your ASU degree
- **track academic and course progress** with a personalized online tool called Pathway Tracker
- **meet with ASU academic advisors** for guidance to stay on track
- **access individualized university information**

#### MAPP MyPath2ASU agreement

**By signing up for the MAPP MyPath2ASU, you are agreeing to the following terms:**

- You commit to working with your community college advisor and ASU transfer specialist to monitor progress on your MAPP MyPath2ASU.
- You agree to complete the MAPP MyPath2ASU with a specified grade point average and any requirements identified on the pathway document.
- You will complete the MAPP MyPath2ASU within four years of signing up.
- You agree that your academic data and advising information may be shared between your community college and ASU to ensure your success.

#### Attend a MAPP MyPath2ASU™ workshop

Welcome all transfer students. Please join us for a live virtual workshop. We'll navigate the MyPath2ASU™ transfer experience, and you can ask questions, and start your seamless college journey to ASU while still at your Maricopa community college.

Sign up now [3]

## MAPP MyPath2ASU tools and resources

### Pathway Tracker

Track progress toward completion of your MAPP MyPath2ASU through the Pathway Tracker. See how courses taken fulfill pathway requirements. From My ASU, click on Pathway Tracker.

Go to Pathway Tracker [4]

### My ASU

After signing up for a MAPP MyPath2ASU, follow the Maricopa to ASU Pathways Program link from my.maricopa.edu [5] to access My ASU [4], and view individualized transfer and university information that will assist in your smooth transition to ASU.

Go to My ASU [4]

### Transfer Guide

Learn how credits from other colleges and universities that you have attended will transfer to ASU. Search for ASU course equivalencies or request a transfer course evaluation.

More about the Transfer Guide [6]

### ASU career services

As a MAPP MyPath2ASU student, you'll have access ASU Career and Professional Development Services, career advising, career assessment and job search tools. You will need your ASURITE UserID and password to access services. Note that some services have fees.

Go to career services [7]

## AAS to BAS: Bachelor of Applied Science

Bachelor of Applied Science degrees are designed specifically for students who have earned an Associate of Applied Science.

- Students who have earned an AAS from a regionally accredited institution may transfer **60 credit hours** toward their BAS.
- Students who have earned an AAS degree from a regionally accredited Arizona community college may be eligible to transfer **up to 75 credits** toward their BAS.

Plan to meet with an academic advisor to ensure your courses will meet degree requirements.

[Archivist's note: By college MCCCCD search tool unable to be archived]

## Your transfer coordinator is here to help

Connect with your transfer coordinator to learn more about studying at ASU and get all your questions answered.

Contact a coordinator [8]

## Apply to ASU

Begin your application for admission up to a year before you are ready to transfer. Make sure you have met all admissions requirements, and submit the application for admission, pay the application fee and send official college transcripts to ASU.

How and when to apply [9]

**Source URL:** <https://admission.asu.edu/transfer/maricopa>

**Links:**

[1] <https://mapp.maricopa.edu>

[2]

[https://admission.asu.edu/node/3714?field\\_to\\_campus\\_tax\\_tid=All&field\\_to\\_interest\\_area\\_tax\\_tid=All&keys=&field\\_college\\_name\\_tax\\_tid=All](https://admission.asu.edu/node/3714?field_to_campus_tax_tid=All&field_to_interest_area_tax_tid=All&keys=&field_college_name_tax_tid=All)

[3] [https://asu.zoom.us/webinar/register/WN\\_x3veboMCSISB0fh6hC0INg](https://asu.zoom.us/webinar/register/WN_x3veboMCSISB0fh6hC0INg)

[4] <https://my.asu.edu>

[5] <https://my.maricopa.edu>

[6] <https://webapp4.asu.edu/transfercreditguide/app/home>

[7] <https://eoss.asu.edu/cs>

[8] <https://admission.asu.edu/contact/transfer>

[9] <https://admission.asu.edu/transfer/apply>

## AAS to BAS: Bachelor of Applied Science

Bachelor of Applied Science degrees are designed specifically for students who have earned an Associate of Applied Science.

- Students who have earned an AAS from a regionally accredited institution may transfer 60 credit hours toward their BAS.
- Students who have earned an AAS degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward their BAS.

Plan to meet with an academic advisor to ensure your courses will meet degree requirements. Bachelor of Applied Science degrees are paired with Associate of Applied Science degrees listed by community college partners.

Arizona Western College [1]

Central Arizona College [2]

Cochise College [3]

Coconino Community College [4]

Diné College [5]

Eastern Arizona College [6]

Gila Community College [7]

Maricopa Community Colleges [8]

Mohave Community College [9]

Northland Pioneer College [10]

Pima Community College [11]

Tohono O’odham Community

College [12]

Yavapai College [13]

## Arizona Western College

Accounting [14]

Air Conditioning [15]

Air Conditioning STEM Emphasis [16]

Applied Agriculture [17]

Automotive Technology [18]

Automotive Technology (STEM Emphasis) [19]

Broadcasting [20]

Business [21]

Carpentry [22]

Carpentry (STEM Emphasis) [23]

Community Health Worker [24]

Computer Graphics [25]

Computer Information Systems [26]

Construction Trades Management [27]

Construction Trades Management (STEM Emphasis)

[28]

Culinary Arts [29]

Culinary Arts (General Education Emphasis) [30]

Drafting CAD Technology [31]

Drafting CAD Technology (STEM Emphasis) [32]

Early Childhood Education [33]

Electrical Technology [34]

Electrical Technology (STEM Emphasis) [35]

Emergency and Disaster Management [36]

Emergency Medical Services: Paramedic [37]

Fire Science [38]

Industrial Technology [39]

Industrial Technology (STEM Emphasis) [40]

Informatics [41]

Massage Therapy [42]

Media Arts [43]

Medical Assistant [44]

Nursing [45]

Paralegal Studies [46]

Plumbing [47]

Plumbing (STEM Emphasis) [48]

Radiologic Technology [49]

Solar Photovoltaic Installation [50]

Solar Photovoltaic Installation (STEM Emphasis) [51]  
Television Production [52]

Welding [53]  
Welding Technology (STEM Emphasis) [54]

### **Central Arizona College**

Accounting [55]  
Agriculture Business [56]  
Automated Industrial Technology [57]  
Business [58]  
Computer Business Applications [59]  
Culinary Arts [60]  
Diesel Technology [61]  
Digital Media Arts [62]  
Early Childhood Education [63]  
Early Childhood Education - Infant-Toddler [64]  
Equine Management and Training [65]  
Fire Science Technology [66]  
Health Information Technology [67]  
Heavy Equipment Operator [68]  
Hotel and Restaurant Management [69]  
Justice Studies [70]

Live Audio and Lighting [71]  
Massage Therapy [72]  
Medical Assistant [73]  
Medical Laboratory Technician [74]  
Networking Technologies [75]  
Nursing [76]  
Nutrition and Dietetic Technician [77]  
Paramedicine [78]  
Pipefitting/Pipe Welding Technology [79]  
Popular Music Performance [80]  
Radiologic Technology [81]  
Recording Engineering [82]  
Software Development [83]  
Structural Welding Technology [84]  
Welding Technology [85]

### **Cochise College**

Animal Science [86]  
Automotive Technology [87]  
Building Construction Technology [88]  
Business Management [89]  
Cisco and Linux Networking [90]  
Computer Information Systems [91]  
Computer Programming [92]  
Crop Science [93]  
Culinary Arts [94]  
Cybersecurity [95]  
Early Childhood Care and Education [96]  
Education [97]  
Electronics Technology [98]

Intelligence Operations Studies [99]  
Law Enforcement [100]  
Media Production Arts [101]  
Network Technology [102]  
Nursing [103]  
Paramedicine [104]  
Professional Pilot Technology [105]  
Residential Construction Technology [106]  
Respiratory Therapy [107]  
Unmanned Aerial Vehicle Flight Operator [108]  
Unmanned Aircraft Systems Technician [109]  
Welding Technology [110]

### **Coconino Community College**

Administration of Justice [111]  
Business [112]  
Computer Technology: Computer Technician [113]  
Computer Technology: Desktop Support [114]  
Computer Technology: Graphics & Web Design [115]  
Computer Technology: Network Administrator [116]  
Construction and Industry Trades [117]  
Construction Technology [118]  
Cybersecurity [119]

Environmental Technology: Alternative Energy Technician [120]  
Fire Science [121]  
Hospitality Management [122]  
Medical Office Management [123]  
Nursing [124]  
Paramedic Studies [125]  
Pre Health Careers [126]  
Sustainable Green Building [127]

### **Diné College**

Business Management [128]  
Office Administration [129]

## Eastern Arizona College

Administration of Justice [130]  
Administrative Information Services [131]  
Advanced Manufacturing Technology [132]  
Automotive Service Technology [133]  
Business [134]  
Computer Assisted Design and Drafting Technology [135]  
Computer Information Specialist [136]  
Cosmetology [137]  
Early Childhood Education [138]

Early Childhood Education – BAS Track [139]  
Electrical & Instrumentation Technology [140]  
Environmental Technology [141]  
Fire Science [142]  
Graphic Design [143]  
Media Communications [144]  
Nursing [145]  
Personal Trainer [146]  
Small Business Management [147]  
Welding Technology [148]

## Gila Community College

Administration of Justice [149]  
Administration of Justice – BAS Track [150]  
Administrative Information Services [151]  
Advanced Manufacturing Technology [152]  
Automotive Service Technology [153]  
Business [154]  
Computer Assisted Design and Drafting Technology [155]  
Computer Information Specialist [156]  
Cosmetology [157]  
Early Childhood Education [158]

Early Childhood Education – BAS Track [159]  
Electrical & Instrumentation Technology [160]  
Environmental Technology [161]  
Fire Science [162]  
Graphic Design [163]  
Media Communications [164]  
Nursing [165]  
Personal Trainer [166]  
Small Business Management [167]  
Welding Technology [168]

## Mohave Community College

Accounting [169]  
Automotive Collision Repair Technology [170]  
Automotive Service Technology [171]  
Business and Entrepreneurship [172]  
Chemical Dependency Studies [173]  
Computer Graphics and Web Design [174]  
Computer Information Systems Administration [175]  
Culinary & Hospitality Management [176]  
Dental Hygiene [177]  
Electrical Technology [178]  
Fire Science [179]  
Health Care Information Technician [180]  
HVAC and Refrigeration Technology [181]

Medical Assisting [182]  
Network Support and Information Security [183]  
Nursing - Accelerated Nursing for Paramedics [184]  
Nursing - LPN to RN Track [185]  
Nursing - Registered Nursing (RN) [186]  
Paralegal [187]  
Paramedic Emphasis [188]  
Physical Therapist Assistant [189]  
Radiologic Technology [190]  
Surgical Technology [191]  
Surgical Technology, CST Pathway [192]  
Welding Technology [193]

## Northland Pioneer College

Accounting [194]  
Automotive Technology [195]  
CIS – Software and Web Development [196]  
Computer Information Systems [197]  
Construction Technology [198]  
Cosmetology [199]  
Cybersecurity [200]  
Early Childhood Studies [201]  
EIT Electrical [202]  
EIT Electrical and Instrumentation [203]  
EIT Industrial Electrical, Motors, and PLC's [204]  
EIT Industrial Mechanics and Fluid Power [205]  
EIT Industrial Plant Operations [206]  
EIT Instrumentation [207]  
EIT Mechanical Maintenance [208]

EIT Operations/Maintenance [209]  
Entrepreneurship [210]  
Film and Digital Video [211]  
Fire Science [212]  
LNA to RN [213]  
LPN to RN [214]  
Management and Leadership [215]  
Medical Assistant [216]  
Medical Office Administration [217]  
Modern Office Technologies [218]  
Paramedic to Nursing [219]  
Paramedicine [220]  
Therapeutic Massage Program [221]  
Welding [222]

## Pima Community College

Accounting [223]  
Automotive Industrial Technology [224]  
Automotive Technology [225]  
Aviation Technology – Structural Repair Concentration [226]  
Aviation Technology – Aircraft Airframe Mechanics Concentration [227]  
Aviation Technology – Aircraft Powerplant Mechanics Concentration [228]  
Building & Construction Technologies [229]  
Business [230]  
Clinical Research Coordinator [231]  
Computer Aided Design – Construction Concentration [232]  
Computer Aided Design – Mechanical/Electro-Mechanical Concentration [233]  
Cyber Security [234]  
Dental Hygiene [235]  
Dental Laboratory Technology [236]  
Digital Arts - Design Concentration [237]  
Digital Arts - Web Design Concentration [238]  
Digital Film Arts & Animation – Digital and Film Arts Concentration [239]  
Digital Film Arts & Animation – Digital Animation Concentration [240]  
Digital Game and Simulation, Digital Animation and Production Concentration [241]  
Digital Game and Simulation, Digital Programming Concentration [242]  
Early Childhood Studies [243]

Emergency Medical Technology - Paramedic [244]  
Fire and Emergency Services Higher Education (FESHE) [245]  
Health Information Technology [246]  
Hospitality Leadership, Baking & Pastry Concentration [247]  
Hospitality Leadership, Culinary Concentration [248]  
Hospitality Leadership, Hotel/Restaurant Management Concentration [249]  
Hospitality Leadership, Hotel/Restaurant Management Transfer Concentration [250]  
Justice Professions, Administration of Justice Concentration [251]  
Justice Professions, Law Enforcement Concentration [252]  
Logistics and Supply Chain Management [253]  
Machine Tool Technology [254]  
Medical Laboratory Technician [255]  
Networking/Cyber Defense [256]  
Nursing [257]  
Paralegal [258]  
Programmer/Cyber Security Analyst [259]  
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- [193] <https://admission.asu.edu/content/welding-technology-2?comm-college=mohave-community-college>
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- [195] <https://admission.asu.edu/content/automotive-technology?comm-college=northland-pioneer-college>
- [196] <https://admission.asu.edu/content/cis-software-and-web-development?comm-college=northland-pioneer-college>
- [197] <https://admission.asu.edu/content/computer-information-systems-5?comm-college=northland-pioneer-college>
- [198] <https://admission.asu.edu/content/construction-technology?comm-college=northland-pioneer-college>
- [199] <https://admission.asu.edu/content/cosmetology-0?comm-college=northland-pioneer-college>
- [200] <https://admission.asu.edu/content/cybersecurity-0?comm-college=northland-pioneer-college>
- [201] <https://admission.asu.edu/content/early-childhood-studies-0?comm-college=northland-pioneer-college>
- [202] <https://admission.asu.edu/content/eit-electrical?comm-college=northland-pioneer-college>
- [203] <https://admission.asu.edu/content/eit-electrical-and-instrumentation?comm-college=northland-pioneer-college>
- [204] <https://admission.asu.edu/content/eit-industrial-electrical-motors-and-plcs?comm-college=northland-pioneer-college>
- [205] <https://admission.asu.edu/content/eit-industrial-mechanics-and-fluid-power?comm-college=northland-pioneer-college>
- [206] <https://admission.asu.edu/content/eit-industrial-plant-operations?comm-college=northland-pioneer-college>
- [207] <https://admission.asu.edu/content/eit-instrumentation?comm-college=northland-pioneer-college>
- [208] <https://admission.asu.edu/content/eit-mechanical-maintenance?comm-college=northland-pioneer-college>

[209] <https://admission.asu.edu/content/eit-operationsmaintenance?comm-college=northland-pioneer-college>  
[210] <https://admission.asu.edu/content/entrepreneurship?comm-college=northland-pioneer-college>  
[211] <https://admission.asu.edu/content/film-and-digital-video?comm-college=northland-pioneer-college>  
[212] <https://admission.asu.edu/content/fire-science-0?comm-college=northland-pioneer-college>  
[213] <https://admission.asu.edu/content/lna-rn?comm-college=northland-pioneer-college>  
[214] <https://admission.asu.edu/content/lpn-rn?comm-college=northland-pioneer-college>  
[215] <https://admission.asu.edu/content/management-and-leadership?comm-college=northland-pioneer-college>  
[216] <https://admission.asu.edu/content/medical-assistant-1?comm-college=northland-pioneer-college>  
[217] <https://admission.asu.edu/content/medical-office-administration?comm-college=northland-pioneer-college>  
[218] <https://admission.asu.edu/content/modern-office-technologies?comm-college=northland-pioneer-college>  
[219] <https://admission.asu.edu/content/paramedic-nursing?comm-college=northland-pioneer-college>  
[220] <https://admission.asu.edu/content/paramedicine-4?comm-college=northland-pioneer-college>  
[221] <https://admission.asu.edu/content/therapeutic-massage-program?comm-college=northland-pioneer-college>  
[222] <https://admission.asu.edu/content/welding-2?comm-college=northland-pioneer-college>  
[223] <https://admission.asu.edu/content/accounting-6?comm-college=pima-community-college>  
[224] <https://admission.asu.edu/content/automotive-industrial-technology?comm-college=pima-community-college>  
[225] <https://admission.asu.edu/content/automotive-technology-2?comm-college=pima-community-college>  
[226] <https://admission.asu.edu/content/aviation-technology-structural-repair-concentration?comm-college=pima-community-college>  
[227] <https://admission.asu.edu/content/aviation-technology-aircraft-airframe-mechanics-concentration?comm-college=pima-community-college>  
[228] <https://admission.asu.edu/content/aviation-technology-aircraft-powerplant-mechanics-concentration?comm-college=pima-community-college>  
[229] <https://admission.asu.edu/content/building-construction-technologies?comm-college=pima-community-college>  
[230] <https://admission.asu.edu/content/business-1?comm-college=pima-community-college>  
[231] <https://admission.asu.edu/content/clinical-research-coordinator?comm-college=pima-community-college>  
[232] <https://admission.asu.edu/content/computer-aided-design-construction-concentration?comm-college=pima-community-college>  
[233] <https://admission.asu.edu/content/computer-aided-design-mechanicaelectro-mechanical-concentration?comm-college=pima-community-college>  
[234] <https://admission.asu.edu/content/cyber-security?comm-college=pima-community-college>  
[235] <https://admission.asu.edu/content/dental-hygiene-3?comm-college=pima-community-college>  
[236] <https://admission.asu.edu/content/dental-laboratory-technology?comm-college=pima-community-college>  
[237] <https://admission.asu.edu/content/digital-arts-design-concentration?comm-college=pima-community-college>  
[238] <https://admission.asu.edu/content/digital-arts-web-design-concentration?comm-college=pima-community-college>  
[239] <https://admission.asu.edu/content/digital-film-arts-animation-digital-and-film-arts-concentration?comm-college=pima-community-college>  
[240] <https://admission.asu.edu/content/digital-film-arts-animation-digital-animation-concentration?comm-college=pima-community-college>  
[241] <https://admission.asu.edu/content/digital-game-and-simulation-digital-animation-and-production-concentration?comm-college=pima-community-college>  
[242] <https://admission.asu.edu/content/digital-game-and-simulation-digital-programming-concentration?comm-college=pima-community-college>  
[243] <https://admission.asu.edu/content/early-childhood-studies?comm-college=pima-community-college>  
[244] <https://admission.asu.edu/content/emergency-medical-technology-paramedic?comm-college=pima-community-college>  
[245] <https://admission.asu.edu/content/fire-and-emergency-services-higher-education-feshe?comm-college=pima-community-college>  
[246] <https://admission.asu.edu/content/health-information-technology-3?comm-college=pima-community-college>  
[247] <https://admission.asu.edu/content/hospitality-leadership-baking-pastry-concentration?comm-college=pima-community-college>  
[248] <https://admission.asu.edu/content/hospitality-leadership-culinary-concentration?comm-college=pima-community-college>

[249] <https://admission.asu.edu/content/hospitality-leadership-hotelrestaurant-management-concentration?comm-college=pima-community-college>

[250] <https://admission.asu.edu/content/hospitality-leadership-hotelrestaurant-management-transfer-concentration?comm-college=pima-community-college>

[251] <https://admission.asu.edu/content/justice-professions-administration-justice-concentration?comm-college=pima-community-college>

[252] <https://admission.asu.edu/content/justice-professions-law-enforcement-concentration?comm-college=pima-community-college>

[253] <https://admission.asu.edu/content/logistics-and-supply-chain-management?comm-college=pima-community-college>

[254] <https://admission.asu.edu/content/machine-tool-technology?comm-college=pima-community-college>

[255] <https://admission.asu.edu/content/medical-laboratory-technician?comm-college=pima-community-college>

[256] <https://admission.asu.edu/content/networking-cyber-defense?comm-college=pima-community-college>

[257] <https://admission.asu.edu/content/nursing-7?comm-college=pima-community-college>

[258] <https://admission.asu.edu/content/paralegal-1?comm-college=pima-community-college>

[259] <https://admission.asu.edu/content/programmerciber-security-analyst?comm-college=pima-community-college>

[260] <https://admission.asu.edu/content/radiologic-technology-3?comm-college=pima-community-college>

[261] <https://admission.asu.edu/content/respiratory-care-0?comm-college=pima-community-college>

[262] <https://admission.asu.edu/content/social-services?comm-college=pima-community-college>

[263] <https://admission.asu.edu/content/social-services-substance-use-disorder-specialty?comm-college=pima-community-college>

[264] <https://admission.asu.edu/content/surgical-technology-1?comm-college=pima-community-college>

[265] <https://admission.asu.edu/content/veterinary-technician?comm-college=pima-community-college>

[266] <https://admission.asu.edu/content/welding-and-fabrication?comm-college=pima-community-college>

[267] <https://admission.asu.edu/content/business-administration?comm-college=tohono-o>

[268] <https://admission.asu.edu/content/business-management?comm-college=tohono-o>

[269] <https://admission.asu.edu/content/carpentry?comm-college=tohono-o>

[270] <https://admission.asu.edu/content/computer-information-systems?comm-college=tohono-o>

[271] <https://admission.asu.edu/content/construction-painting?comm-college=tohono-o>

[272] <https://admission.asu.edu/content/early-childhood-education?comm-college=tohono-o>

[273] <https://admission.asu.edu/content/electrical?comm-college=tohono-o>

[274] <https://admission.asu.edu/content/environmental-studies-indigenous-borderlands?comm-college=tohono-o>

[275] <https://admission.asu.edu/content/heavy-equipment-operation?comm-college=tohono-o>

[276] <https://admission.asu.edu/content/hvac?comm-college=tohono-o>

[277] <https://admission.asu.edu/content/masonry?comm-college=tohono-o>

[278] <https://admission.asu.edu/content/plumbing?comm-college=tohono-o>

[279] <https://admission.asu.edu/content/accounting-7?comm-college=yavapai-college>

[280] <https://admission.asu.edu/content/administration-justice-2?comm-college=yavapai-college>

[281] <https://admission.asu.edu/content/administrative-professional-0?comm-college=yavapai-college>

[282] <https://admission.asu.edu/content/agriculture-technology-management?comm-college=yavapai-college>

[283] <https://admission.asu.edu/content/applied-pre-engineering?comm-college=yavapai-college>

[284] <https://admission.asu.edu/content/automotive-technology-1?comm-college=yavapai-college>

[285] <https://admission.asu.edu/content/aviation-technology-airplanehelicopteropsuas?comm-college=yavapai-college>

[286] <https://admission.asu.edu/content/computer-networking-technology?comm-college=yavapai-college>

[287] <https://admission.asu.edu/content/computer-systems-and-applications?comm-college=yavapai-college>

[288] <https://admission.asu.edu/content/diesel-technician?comm-college=yavapai-college>

[289] <https://admission.asu.edu/content/early-childhood-education-5?comm-college=yavapai-college>

[290] <https://admission.asu.edu/content/electrical-and-instrumentation-technology?comm-college=yavapai-college>

[291] <https://admission.asu.edu/content/emergency-management-applications?comm-college=yavapai-college>

[292] <https://admission.asu.edu/content/fire-science-2?comm-college=yavapai-college>

[293] <https://admission.asu.edu/content/graphic-design-2?comm-college=yavapai-college>

[294] <https://admission.asu.edu/content/gunsmithing?comm-college=yavapai-college>

[295] <https://admission.asu.edu/content/health-information-technology?comm-college=yavapai-college>

[296] <https://admission.asu.edu/content/industrial-machine-mechanic?comm-college=yavapai-college>

[297] <https://admission.asu.edu/content/management-1?comm-college=yavapai-college>

- [298] <https://admission.asu.edu/content/medical-assistant?comm-college=yavapai-college>  
[299] <https://admission.asu.edu/content/nursing-6?comm-college=yavapai-college>  
[300] <https://admission.asu.edu/content/paralegal-studies-1?comm-college=yavapai-college>  
[301] <https://admission.asu.edu/content/paramedicine-3?comm-college=yavapai-college>  
[302] <https://admission.asu.edu/content/radiologic-technology-1?comm-college=yavapai-college>  
[303] <https://admission.asu.edu/content/social-and-human-services?comm-college=yavapai-college>  
[304] <https://admission.asu.edu/content/video-game-development?comm-college=yavapai-college>  
[305] <https://admission.asu.edu/content/viticulture-and-enology?comm-college=yavapai-college>

## ASU@Pinal

### Earn your ASU degree at Central Arizona College

Earn a bachelor's degree from Arizona State University without leaving Pinal County. ASU and Central Arizona College have established a partnership that allows you to complete your associate degree at CAC and then pursue your ASU bachelor's degree through classes delivered at the CAC Corporate Center. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Central Arizona College to continue taking classes through the @Pinal location.

### Available undergraduate programs at CAC

#### Applied Science (Applied Leadership), BAS\* [1]

The applied leadership program prepares students for leadership positions in a wide variety of organizations and career fields. The coursework focuses on the practice of innovative and effective leadership and helps students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

This BAS program is a valuable degree option for students with an Associate of Applied Science degree. Students learn and apply the leadership skills necessary to prepare them to become more effective leaders in diverse environments – to be team leaders, floor managers and shift captains.

Learn more about this AAS to BAS program and see what AAS programs are compatible with this degree. [2]

#### Organizational Leadership, BA [3]

This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well-versed in leadership styles, communication strategies, resource management, project management and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGECE requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

See course descriptions and sample schedule [4].

#### Organizational Leadership (Project Management), BA [5]

With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership and more.

For more information, contact Gerry West at [gerald.l.west@asu.edu](mailto:gerald.l.west@asu.edu) [6].

\*Up to an additional 15 hours of lower-division general studies coursework can be completed prior to transferring to ASU. Transfer up to 75 community college credits toward this degree, with 45 credits to be completed at ASU. If lower-division general studies requirements are not complete prior to transferring, the courses can be taken at CAC or ASU. All degree requirements must be met prior to graduation from ASU.

## The MyPath2ASU™ transfer process

### Create MyPath2ASU™ [7]

- Pick your ASU major
- Sign up for MyPath2ASU™
- Track progress towards transfer

### Complete your MyPath

- Apply [8] to transfer to ASU
- Become a Sun Devil

### Finish your ASU degree

- You're one step closer to achieving your academic goals

## Save money

Through the ASU and Central Arizona College partnership, you're able to learn from ASU instructors and earn the same high quality degree you'd earn on an ASU campus, all at a reduced tuition rate. And you can use financial aid and scholarships toward your costs. That, along with the money you'll save by staying in your hometown, adds up to one affordable degree.

Tuition estimator [9]

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [10]

**Source URL:** <https://admission.asu.edu/transfer/pinal>

### Links:

[1] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false>

[2] <https://admission.asu.edu/aas-bas/central-arizona-college>

[3] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false>

[4] <https://admission.asu.edu/transfer/pinal/org-leadership>

[5] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBA/undergrad/false>

[6] <mailto:gerald.l.west@asu.edu>

[7] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[8] [https://webapp4.asu.edu/uga\\_admissionsapp](https://webapp4.asu.edu/uga_admissionsapp)

[9] <https://students.asu.edu/tuition>

[10] <https://admission.asu.edu/contact/transfer>

## Earn your ASU degree at Arizona Western College

Earn a bachelor's degree from Arizona State University without leaving Yuma. ASU and Arizona Western College have established a partnership that allows you to complete your associate degree at AWC and then pursue your ASU bachelor's degree through classes delivered on the AWC campus. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Arizona Western College to continue taking classes through the @Yuma location.

### Available undergraduate programs at AWC

#### **Criminology and Criminal Justice, BS** [1]

Earn a degree that will help prepare you for a career in law enforcement, probation, parole, corrections, private security, court personnel, legal offices or victim advocate agencies. This program introduces you to the fundamental foundations of criminal justice and criminology by preparing you to think critically, contribute to society and enhance public safety. Learn about the causes of crime, the role of criminal justice agencies in the control of crime and the consequences of crime. Study the sociological, psychological, biological and economical explanations for individual crime as well as the differences in crime over time and across neighborhoods, states and countries. Gain an understanding of the history, legal issues and current practices of crime control via police agencies, the court system, prisons, probation and parole.

See course descriptions and sample schedule [2].

For more information, contact Jim Eustace at [jeeustac@asu.edu](mailto:jeeustac@asu.edu) [3].

#### **Organizational Leadership, BA\*** [4]

This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well versed in leadership styles, communication strategies, resource management, project management and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGECE requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

For more information, contact Gerry West at [gerald.l.west@asu.edu](mailto:gerald.l.west@asu.edu) [5].

#### **Elementary education and special education, BAE** [6]

Earn a dual certification to educate children: Mild-moderate disabilities special education in grades K–12 and elementary education for grades K–8. Develop the knowledge and skills to successfully teach elementary school students, as well as children requiring special education in any grade.

#### **Secondary education, BAE** [7]

Prepare to be an educator for youth enrolled in grades 6–12. You'll develop a strong theoretical background and gain the requisite teaching knowledge and abilities to successfully teach middle or high school students. Student cohorts are at the AWC Yuma campus and Parker Learning Center.

**Note:** Both education programs provide quality preparation through Mary Lou Fulton Teachers College Professional Pathways, our suite of internships and residencies that expose you to more ways of teaching and learning. You'll work with the support of ASU faculty members, helping you problem-solve while offering you as much support as possible. The result? School hiring managers tell us Teachers College graduates enter the education workforce with the poise and skills of second-year teachers.



For additional information, visit [education.asu.edu/awc](https://education.asu.edu/awc) [8] or contact Laura Corr, [laura.corr@asu.edu](mailto:laura.corr@asu.edu) [9] or 928-317-6205.

\*Up to 15 additional hours of lower-division general studies coursework can be completed prior to transferring to ASU. Transfer up to 75 community college credits toward this degree, with 45 credits to be completed at ASU. If lower-division general studies requirements are not complete prior to transferring, the courses can be taken at Arizona Western College or ASU. All degree requirements must be met prior to graduation from ASU.

## The MyPath2ASU™ transfer process

### Create MyPath2ASU™ [10]

- Pick your ASU major
- Sign up for MyPath2ASU™
- Track progress towards transfer

### Complete your MyPath

- Apply [11] to transfer to ASU
- Become a Sun Devil

### Finish your ASU degree

- You're one step closer to achieving your academic goals

## Save money

Through the ASU and Arizona Western College partnership, you're able to learn from ASU instructors and earn the same high quality degree you'd earn on an ASU campus, all at a reduced tuition rate. And you can use financial aid and scholarships toward your costs. That, along with the money you'll save by staying in your hometown, adds up to one affordable degree.

Tuition estimator [12]

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [11]

**Source URL:** <https://admission.asu.edu/transfer/asu-yuma>

### Links:

[1] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/PPCRIMJBS/undergrad/false>

[2] <https://admission.asu.edu/transfer/asu-yuma/criminology-criminal-justice>

[3] <mailto:jeeustac@asu.edu>

[4] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false>

[5] <mailto:gerald.l.west@asu.edu>

[6] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESPEBAE/undergrad/false>

[7] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEDBAE/undergrad/false>

[8] <https://education.asu.edu/awc>

[9] <mailto:laura.corr@asu.edu>

[10] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[11] [https://webapp4.asu.edu/uga\\_admissionsapp](https://webapp4.asu.edu/uga_admissionsapp)

[12] <https://students.asu.edu/tuition>

[13] <https://admission.asu.edu/contact/transfer>

## Earn your degree at Yavapai College

Earn a bachelor's degree from Arizona State University without leaving Yavapai County. ASU and Yavapai College have established a partnership that allows you to complete your associate degree at Yavapai College and then pursue your ASU bachelor's degree through classes delivered on the campus. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

ASU classes will be offered on-site at Yavapai College or in a hybrid format, which blends in-person and online instruction.

Yavapai College, Prescott Valley Campus  
6955 Panther Path, Prescott Valley, AZ 86314

Students must be (or previously have been) enrolled and completed credits at Yavapai College to continue taking classes through the @Yavapai location.

## Available undergraduate programs at Yavapai College

### Applied Science (Health Sciences), BAS [1]

This is an excellent option if you have already earned or are earning an AAS and want to advance your career in health care. Designed for both entering and current employees in the health and health care fields, a concentration in health sciences will prepare you for advancement in your primary field, positions in management, and advanced educational and instructional expertise. Gain the knowledge and skills to find innovative and creative ways to improve the health of individuals and communities.

For more information on this program, contact Jackie Ries at [Jries@asu.edu](mailto:Jries@asu.edu) [2].

### Applied Science (Applied Leadership), BAS [3]

This is an ideal program if you have already earned or are earning an AAS degree. Prepare for leadership positions in a wide variety of organizations and career fields. This program focuses on the practice of innovative and effective leadership to help you develop the skills and knowledge to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

### Organizational Leadership, BA [4]

Advance your career and become a leader in your organization. Develop the skills and knowledge to manage resources, communicate effectively, use emerging technologies and lead projects.

### Organizational Leadership (Project Management), BA [5]

With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership and more.

For more information, contact Gerry West at [Gerald.L.West@asu.edu](mailto:Gerald.L.West@asu.edu) [6].

### Secondary education, BAE [7]

Prepare to be an educator for youth enrolled in grades 6—12. You'll develop a strong theoretical background and gain the requisite teaching knowledge and abilities to successfully teach middle or high school students.

For more information, contact Kurt Palmer at [kwpalme1@asu.edu](mailto:kwpalme1@asu.edu) [8].

\*Up to 15 additional hours of lower-division general studies coursework can be completed prior to transferring to ASU. Transfer up to 75 community college credits toward this degree, with 45 credits to be completed at ASU. If lower-division

general studies requirements are not complete prior to transferring, the courses can be taken at Yavapai College or ASU. All degree requirements must be met prior to graduation from ASU.

## The MyPath2ASU™ transfer process

### Create MyPath2ASU™ [9]

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- Track progress towards transfer

### Complete your MyPath

- Apply [10] to transfer to ASU
- Become a Sun Devil

### Finish your ASU degree

- You're one step closer to achieving your academic goals

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [11]

**Source URL:** <https://admission.asu.edu/transfer/asuyavapai>

### Links:

[1] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUHSCBAS/undergrad/false>

[2] <mailto:Jries@asu.edu>

[3] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false>

[4] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false>

[5] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBAS/undergrad/false>

[6] <https://admission.asu.edu/transfer/Gerald.L.West@asu.edu>

[7] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEDBAE/undergrad/false>

[8] <mailto:kwpalme1@asu.edu>

[9] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[10] [https://webapp4.asu.edu/uga\\_admissionsapp](https://webapp4.asu.edu/uga_admissionsapp)

[11] <https://admission.asu.edu/contact/transfer>

## ASU@TheGilaValley

### Earn your ASU degree at Eastern Arizona College

Earn a bachelor's degree from Arizona State University without leaving Thatcher, Safford and the surrounding areas. ASU and Eastern Arizona College have established a partnership that allows you to complete your associate degree at EAC and then pursue your ASU bachelor's degree through classes delivered on the EAC Thatcher campus. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Eastern Arizona College to continue taking classes through the @TheGilaValley location.

## Available undergraduate programs at EAC

### Applied Science (Applied Leadership), BAS\* [1]

The applied leadership program prepares students for leadership positions in a wide variety of organizations and career fields. The coursework focuses on the practice of innovative and effective leadership and helps students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources. This BAS program is a valuable degree option for students with an Associate of Applied Science degree in fields such as fire science, environmental technology, machine shop technology, welding technology and more. Students learn and apply the leadership skills necessary to prepare them to become more effective leaders in diverse environments — to be team leaders, floor managers and shift captains.

Learn more about this AAS to BAS program and see what AAS programs are compatible with this degree [2].

### Organizational Leadership, BA [3]

This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well versed in leadership styles, communication strategies, managing resources, assessing programs and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGEC requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

See course descriptions and sample schedule [4].

### Organizational Leadership (Project Management), BA [5]

With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership, and more.

For more information on the three degrees above, contact Gerry West at [Gerald.L.West@asu.edu](mailto:Gerald.L.West@asu.edu) [6].

### Nursing, BSN [7]

Eastern Arizona College and ASU have partnered to offer a Baccalaureate Nursing Program at EAC. This concurrent enrollment program is for nursing students who meet specific criteria. The program allows students to earn their AAS in Nursing from EAC while simultaneously earning their BSN from ASU. The partnership offers the following:

- hybrid classes (in-person classes with online components)
- qualified ASU faculty members from the Thatcher area
- RN-BSN courses taken in a cohort model

For more information about this program, contact Taylor Nance at [eac.cep@asu.edu](mailto:eac.cep@asu.edu) [8].

### Elementary education and special education, BAE [9]

Earn a dual certification to educate children: Mild-moderate disabilities special education in grades K–12 and elementary education for grades K–8. Develop the knowledge and skills to successfully teach elementary school students, as well as children requiring special education in any grade.

### Secondary education, BAE [10]

Earn your certification and develop the knowledge and skills to successfully teach grades 6–12. Choose from concentrations in math, science, English or history.

**Note:** Both education programs provide quality preparation through Mary Lou Fulton Teachers College Professional Pathways, our suite of internships and residencies that expose you to more ways of teaching and learning. You'll work with the support of ASU faculty members, helping you problem-solve while offering you as much support as possible. The

result? School hiring managers tell us Teachers College graduates enter the education workforce with the poise and skills of second-year teachers.

For more information about these education programs, contact Laura Corr at [Laura.Corr@asu.edu](mailto:Laura.Corr@asu.edu) [11].

\*Up to 15 additional hours of lower-division general studies coursework can be completed prior to transferring to ASU. Transfer up to 75 community college credits toward this degree, with 45 credits to be completed at ASU. If lower-division general studies requirements are not complete prior to transferring, the courses can be taken at Eastern Arizona College or ASU. All degree requirements must be met prior to graduation from ASU.

## The MyPath2ASU™ transfer process

### Create MyPath2ASU™ [12]

- Pick your ASU major
- Sign up for MyPath2ASU™
- Track progress towards transfer

### Complete your MyPath

- Apply [13] to transfer to ASU
- Become a Sun Devil

### Finish your ASU degree

- You're one step closer to achieving your academic goals

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [14]

**Source URL:** <https://admission.asu.edu/transfer/the-gila-valley>

### Links:

[1] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false>

[2] <https://admission.asu.edu/aas-bas/eastern-arizona-college>

[3] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false>

[4] <https://admission.asu.edu/transfer/gila-valley/org-leadership>

[5] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBBA/undergrad/false>

[6] <mailto:Gerald.L.West@asu.edu>

[7] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUNURDBSN/undergrad/false>

[8] <mailto:eac.cep@asu.edu>

[9] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEPEBAE/undergrad/false>

[10] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEDBAE/undergrad/false>

[11] <mailto:Laura.Corr@asu.edu>

[12] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[13] [https://webapp4.asu.edu/uga\\_admissionsapp](https://webapp4.asu.edu/uga_admissionsapp)

[14] <https://admission.asu.edu/contact/transfer>

## Earn your ASU degree at Cochise College

Earn a bachelor's degree from Arizona State University without leaving Sierra Vista. ASU and Cochise College have established a partnership that allows you to complete your associate degree at Cochise and then pursue your ASU bachelor's degree through classes delivered on the Cochise campus. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Cochise College to continue taking classes through the @Cochise location.

## Available undergraduate programs at Cochise

### Applied Science (Applied Leadership), BAS\* [1]

The applied leadership program prepares students for leadership positions in a wide variety of organizations and career fields. The coursework focuses on the practice of innovative and effective leadership and helps students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

This BAS program is a valuable degree option for students with an Associate of Applied Science degree. Students learn and apply the leadership skills necessary to prepare them to become more effective leaders in diverse environments – to be team leaders, floor managers and shift captains.

### Organizational Leadership, BA [2]

This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well versed in leadership styles, communication strategies, resource management, project management and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGEC requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

### Organizational Leadership (Project Management), BA [3]

With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership and more.

For more information, contact Gerry West at [Gerald.L.West@asu.edu](mailto:Gerald.L.West@asu.edu) [4].

\*Up to an additional 15 hours of lower-division general studies coursework can be completed prior to transferring to ASU. Transfer up to 75 community college credits toward this degree, with 45 credits to be completed at ASU. If lower-division general studies requirements are not complete prior to transferring, the courses can be taken at Cochise or ASU. All degree requirements must be met prior to graduation from ASU.

### AAS in Intelligence Operations Studies [5]

Pursuing an AAS in intelligence operations studies? ASU in partnership with Cochise College recognizes the unique work and areas of study that many members of the military often pursue as part of their service. With a completed AAS degree in intelligence operations studies, you can smoothly transfer 60 credits towards a BAS degree in applied leadership.

## The MyPath2ASU™ transfer process

### Create MyPath2ASU™ [6]

- Pick your ASU major
- Sign up for MyPath2ASU™
- Track progress towards transfer

### Complete your MyPath

- Apply [7] to transfer to ASU
- Become a Sun Devil

### Finish your ASU degree

- You're one step closer to achieving your academic goals

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [8]

**Source URL:** <https://admission.asu.edu/transfer/asu-cochise>

### Links:

[1] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false>

[2] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false>

[3] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBBA/undergrad/false>

[4] <mailto:Gerald.L.West@asu.edu>

[5] <https://admission.asu.edu/content/intelligence-operations-studies?comm-college=cochise-college>

[6] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[7] [https://webapp4.asu.edu/uga\\_admissionsapp](https://webapp4.asu.edu/uga_admissionsapp)

[8] <https://admission.asu.edu/contact/transfer>

## ASU@Pima

### Earn your ASU degree at Pima Community College

Earn a bachelor's degree from Arizona State University without leaving Pima County. ASU and Pima Community College have established a partnership that allows you to complete your associate degree and then pursue your ASU bachelor's degree through classes delivered at Pima Community College. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

ASU classes will be offered on-site at Pima Community College or in a hybrid format, which blends in-person and online instruction.

Pima Community College, West campus  
2202 West Anklam Rd.  
Tucson, AZ 85709

Students must be (or previously have been) enrolled and completed credits at Pima Community College to continue taking classes through the @Pima location.



## Available undergraduate programs at Pima Community College

### Applied Science (Applied Leadership), BAS \* [1]

The applied leadership program prepares students for leadership positions in a wide variety of organizations and career fields. The coursework focuses on the practice of innovative and effective leadership and helps students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

This BAS program is a valuable degree option for students with an Associate of Applied Science degree. Students learn and apply the leadership skills necessary to prepare them to become more effective leaders in diverse environments – to be team leaders, floor managers and shift captains.

### Organizational Leadership, BA [2]

This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well-versed in leadership styles, communication strategies, resource management, project management and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGEC requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

### Organizational Leadership (Project Management), BA [3]

With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership and more.

For more information, contact Gerry West at [Gerald.L.West@asu.edu](mailto:Gerald.L.West@asu.edu) [4].

### Secondary education, BAE [5]

Prepare to be an educator for youth enrolled in grades 6—12. You'll develop a strong theoretical background and gain the requisite teaching knowledge and abilities to successfully teach middle or high school students.

For more information, contact Kurt Palmer at [kwpalme1@asu.edu](mailto:kwpalme1@asu.edu) [6].

\* Up to an additional 15 hours of lower-division general studies coursework can be completed prior to transferring to ASU. Transfer up to 75 community college credits toward this degree, with 45 credits to be completed at ASU. If lower-division general studies requirements are not complete prior to transferring, the courses can be taken at Pima or ASU. All degree requirements must be met prior to graduation from ASU.

## The MyPath2ASU™ transfer process

### Create MyPath2ASU™ [7]

- Pick your ASU major
- Sign up for MyPath2ASU™
- Track progress towards transfer

### Complete your MyPath

- Apply [8] to transfer to ASU
- Become a Sun Devil



## Finish your ASU degree

- You're one step closer to achieving your academic goals

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [9]

**Source URL:** <https://admission.asu.edu/transfer/asu-pima>

### Links:

[1] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false>

[2] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false>

[3] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBBA/undergrad/false>

[4] <mailto:Gerald.L.West@asu.edu>

[5] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEDBAE/undergrad/false>

[6] <mailto:kwpalme1@asu.edu>

[7] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[8] [https://webapp4.asu.edu/uga\\_admissionsapp](https://webapp4.asu.edu/uga_admissionsapp)

[9] <https://admission.asu.edu/contact/transfer>

## ASU@Northeastern Arizona

### Earn your ASU degree at Northland Pioneer College

Earn a bachelor's degree from Arizona State University without leaving Holbrook, Show Low, Snowflake, and Winslow. ASU and Northland Pioneer College have established a partnership that allows you to complete your associate degree at NPC and then pursue your ASU bachelor's degree through classes delivered on an NPC campus or center location. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Northland Pioneer College to continue taking classes through the @Northeastern Arizona location.

### Available undergraduate programs at NPC

#### Secondary education, BAE [1]

Earn your certification and develop the knowledge and skills to successfully teach grades 6–12. While teacher candidates develop a strong theoretical background in their specific content areas, the education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. The program's professional experience component provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. Choose from concentrations in math, science, English or history.

For additional information, visit [education.asu.edu/npc](https://education.asu.edu/npc) [2] or contact Kurt Palmer, [kwpalme1@asu.edu](mailto:kwpalme1@asu.edu) [3] or 928-792-8030.

### The MyPath2ASU™ transfer process

#### Create MyPath2ASU™ [4]

- Pick your ASU major
- Sign up for MyPath2ASU™
- Track progress towards transfer

## Complete your MyPath

- Apply [5] to transfer to ASU
- Become a Sun Devil

## Finish your ASU degree

- You're one step closer to achieving your academic goals

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [6]

**Source URL:** <https://admission.asu.edu/transfer/asu-northeastern-arizona>

### Links:

[1] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEDBAE/undergrad/false>

[2] <https://education.asu.edu/npc>

[3] <mailto:kwpalme1@asu.edu>

[4] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>

[5] [https://webapp4.asu.edu/uga\\_admissionsapp](https://webapp4.asu.edu/uga_admissionsapp)

[6] <https://admission.asu.edu/contact/transfer>

## BYU-Idaho partnership

### MyPath2ASU™

MyPath2ASU™ is a set of customized tools to help transfer students from U.S. regionally accredited institutions (including international students transferring from U.S. regionally accredited institutions). MyPath2ASU™ creates a seamless transfer experience to ASU after earning credits or an associate's degree from a U.S. community college or university. Plan a path into your major of choice by taking classes that transfer to ASU—shortening your time to degree completion.

Get Started with MyPath2ASU [1]

Search MyPath2ASU majors [2]

### The Associate of Applied Science to Bachelor of Applied Science program

The AAS to BAS programs is for students who have completed an Associate of Applied Science from BYU-Idaho and want to complete a Bachelor of Applied Science in a complementary discipline at ASU.

Learn more [3]

### Your next steps to applying to ASU

As you're completing your community college coursework, if you have questions about the admission process, requirements or transcripts contact your transfer coordinator and they will be happy to help.

Or if you're ready to apply to ASU, you can begin your application for admission up to a year before you are ready to transfer.

How and when to apply [4]

Contact a transfer coordinator [5]

**Source URL:** <https://admission.asu.edu/transfer/byu-idaho>

**Links:**

- [1] <https://admission.asu.edu/transfer/MyPath2ASU>
- [2] <https://webapp4.asu.edu/transfercreditguide/app/transfermap>
- [3] <https://admission.asu.edu/aas-bas/brigham-young-university-idaho>
- [4] <https://admission.asu.edu/transfer/apply>
- [5] <https://admission.asu.edu/contact/transfer>

**AAS to BAS for Brigham Young University Idaho****Transfer simplified**

If you're pursuing an Associate of Applied Science from BYU-Idaho, then an ASU Bachelor of Applied Science degree might be the perfect fit for you. This program allows you to transfer 60 credit hours from your Associate of Applied Science degree toward a compatible Bachelor of Applied Science at ASU, with guaranteed admission if you have earned at least a 2.5 grade point average from BYU-Idaho.

Identify the AAS degree you are currently earning at BYU-Idaho and determine your preference for your BAS.

If you're interested in earning a BAS degree, please complete this interest form. [1]

- Applied Business Management [2]
- Applied Health [3]
- Applied Technology [4]
- Family History Research [5]
- Marriage and Family Studies [6]
- Professional Studies [7]

**Source URL:** <https://admission.asu.edu/aas-bas/brigham-young-university-idaho>

**Links:**

- [1] <https://transfer.asu.edu/BYUIdaho/aas-bas-interest>
- [2] <https://admission.asu.edu/content/applied-business-management?comm-college=brigham-young-university-idaho>
- [3] <https://admission.asu.edu/content/applied-health?comm-college=brigham-young-university-idaho>
- [4] <https://admission.asu.edu/content/applied-technology?comm-college=brigham-young-university-idaho>
- [5] <https://admission.asu.edu/content/family-history-research?comm-college=brigham-young-university-idaho>
- [6] <https://admission.asu.edu/content/marriage-and-family-studies?comm-college=brigham-young-university-idaho>
- [7] <https://admission.asu.edu/content/professional-studies?comm-college=brigham-young-university-idaho>

## Arizona Christian University

Earn a degree in cybersecurity at ASU

### Welcome, ACU Firestorms!

You can earn a BS in applied computing (cybersecurity) [1] from ASU while pursuing a BS in interdisciplinary studies at ACU.

ACU students who have completed 24 transferable semester hours, generally upon completion of their first year, are eligible to apply to ASU and attend classes concurrently toward their degrees.

### Program at a glance

- Earn a BS in interdisciplinary studies from Arizona Christian University.
- Earn a BS in applied computing (cybersecurity) [1] from Arizona State University.
- Attend classes concurrently on ACU's Glendale campus and (1 mile away) at ASU's West campus after completion of 24 transferable semester hours at ACU.
- Student scholarships, financial aid and tuition are processed through ACU.

### Campus locations

ACU's campus and ASU's West campus are one mile apart in a residential neighborhood environment, close to stores, restaurants, parks and public transit.

#### Arizona Christian University

1 W. Firestorm Way  
Glendale, AZ 85306 [2]

#### Arizona State University's West campus

4701 W. Thunderbird Road  
Glendale, AZ 85306 [3]

### ASU is here to help

Connect with ASU to learn more about the dual degree program and studying at ASU, and get answers to any questions you may have.

Contact ASU [4]

**Source URL:** <https://admission.asu.edu/transfer/arizona-christian-university>

#### Links:

[1] <https://newcollege.asu.edu/applied-computing-cybersecurity>

[2] <https://goo.gl/maps/6iSwNwTp5BcREpGr5>

[3] <https://goo.gl/maps/t4fySw6hdpaRq1UV6>

[4] <https://admission.asu.edu/contact/transfer>

## Acceso ASU

### The objective

To increase access to affordable higher education at ASU, to interested DREAMers and other bilingual English-Spanish students, through a partnership between ASU and select Mexican universities.

### What is it?

A program that reduces the total tuition cost for an undergraduate degree at ASU.

Acceso ASU allows students to take online courses included in ASU's Transfer Guide [1], offered by select Mexican university partners. While enrolled at a Mexican university, students pay that university's tuition cost which is lower than ASU's, and then have credits evaluated for transfer to ASU.

Acceso ASU leverages another ASU program offered in English that has a similar effect: the undergraduate Earned Admission [2].

### How does it work?

1. Apply to ASU. There are two options for gaining admission to ASU: a) direct admission to an ASU [3] degree program, and b) the Earned Admission [2] pathway.

Students who are not directly admissible to an ASU bachelor degree program or who would like to take a few courses at a reduced cost prior to application to an ASU degree program may choose the Earned Admission pathway.

Incoming students interested in Acceso ASU are encouraged to start their ASU programs via Earned Admission [4], which allows them to begin taking ASU courses for a low fee (\$25 [4]) to verify their identity. Once students complete a course and are satisfied with their grade, they can choose to pay \$400 (instead of the applicable resident or nonresident tuition cost) to receive academic credit [5] for the course on an official ASU transcript. Students choosing this route will need to submit an application for an ASU degree program and be admitted for credits from Earned Admission or any prior university work to be applied. Learn more about Earned Admission available courses here [6].

Once admitted to ASU, students have access to their school's academic advisor.

2. Students enrolled at ASU are encouraged to consult with their academic advisors to identify which courses included in ASU's Transfer Guide [1], offered by Acceso ASU's Mexican partners, are suitable for transfer to their specific program. A list of advisors is available here [7].

### Can students who have taken courses at Mexican universities transfer to ASU to complete their degrees?

Yes. ASU assists all students from domestic and international institutions transfer to ASU. However, the process of applying for admission to ASU as a transfer student is independent from Acceso ASU. Upon admission to ASU, previously earned credit from post-secondary institutions will be evaluated as part of the admissions process. Prior to transfer, students can use the Transfer Guide [1] to review how courses transfer to ASU.

### What are the potential tuition savings?

Students can lower their total tuition cost for an ASU undergraduate degree when they:

- 1) Start their programs via Earned Admission and transfer completed credits upon admission to an ASU degree program, paying \$400 per 3-credit course instead of the applicable resident or nonresident tuition rate (approximately \$1,590-\$3,900 per 3-credit course).

2) Take courses at Acceso ASU's Mexican university partners, pay the respective partner's tuition, and transfer the credits to their ASU program. Mexican partners' tuition costs start from \$138 USD per course. See the tables below for a comparison between ASU and the Mexican partners' tuition costs.

3) Transfer to ASU from Mexican institutions, having already paid the former institution's tuition, which is generally lower than ASU's, for the transferable credits.

**For the academic year 2019-20, ASU's undergraduate tuition cost is approximately as follows:**

Tuition Type	3 Credits	12 Credits
International Student	\$3,900 [8]	\$15,600 [8]
Nonresident / Out-of-state Student	\$3,600 [9]	\$14,400 [9]
Nonresident Arizona High School Graduate	\$3,441 [10]	\$8,032 [10]
Online (same for Arizona resident, nonresident, international)	\$1,590 - \$2,184 [11]	\$6,360 - \$8,736 [11]

Note: DREAMers who are not Arizona high school graduates pay the out-of-state tuition rate.

**The Mexican university partners' undergraduate tuition cost is approximately as follows:**

Partner University	3 Credits - Mexican Students	3 Credits - International Students
Universidad de Guadalajara (UdeG) Cost per semester (3 -12 credits)	\$180	\$934
Universidad Tecnológica de México (UNITEC)	\$138	\$138
Universidad Tecmilenio, online campus	\$146	\$146
Tecnológico de Monterrey (ITESM)	\$378	\$408

Note: The amounts in the tables above indicate all of the participant universities' tuition costs published online as of January 10, 2020; the figures do not include additional fees, health insurance, etc. All tuition above is listed in US dollars at the exchange rate of \$19 MXP per USD.

### **How do I search for courses offered by the participating Mexican universities?**

To search for course equivalencies, access ASU's Transfer Guide [1] and select "International" for the institution type, then enter "Mexico" for the country, and enter the name of the university partner:

- University of Guadalajara (UdeG)
- Technological University of Mexico (UNITEC)
- Universidad Tecmilenio
- Tecnológico de Monterrey (ITESM)

## What types of courses have been evaluated for the Acceso program?

The courses evaluated for the Acceso program include undergraduate online courses that transfer to ASU elective, department elective, general studies, and/or direct equivalency:

- University of Guadalajara's subjects include: organization management, educational development, cultural management, digital journalism, technologies and information, citizen security, librarianship and knowledge management.
- Technological University of Mexico (UNITEC)'s subjects include: business administration, public accounting, law (BA), marketing, pedagogy, international business, animation and digital design, psychology, industrial engineering and administration, software and network engineering.
- Universidad Tecmilenio's subjects include: administrative computing engineering, administration, law (BA), publicity and marketing, industrial and systems engineering, international business and trade, education and development, business psychology.
- Tecnológico de Monterrey (ITESM) has a number of elective course options, including two offered in English (TI2013 E-commerce and Technology and IN3043 Quality Management Strategies)

## Information about our Mexican university partners

### Universidad de Guadalajara (UdeG)

Universidad de Guadalajara (UdeG) is the second largest public Mexican university. It serves more than 280,200 students. It is a renowned university based in the state of Jalisco. UdeG's Virtual University offers undergraduate and graduate programs.

Partner will be active fall 2021.

Mabel Martinez-Hernandez - International Programs: 011 52 (33) 3134-2222 ext. 12944 mabelm@cgci.udg.mx [12]

Learn more at: [University-partner Website \[13\]](#) | [Application Guide \[14\]](#) | [Cost Information \[15\]](#)

### Tecnológico de Monterrey

Tecnológico de Monterrey (ITESM) is a private, not-for-profit, world-renowned university in Mexico. It has 26 campuses throughout Mexico, and more than 90,000 students that attend its high school, undergraduate and graduate programs.

It is a world pioneer on virtual education, which it launched in 1989.

Among other accreditations, ITESM is affiliated to the Southern Associations of Colleges and Schools (SACS), recognized by the U.S. Department of Education.

Partner will be active fall 2021.

Additional Information:

Learn more at: [University-partner Website \[16\]](#) | [Application Guide \[17\]](#) | [Cost Information \[18\]](#)

### Universidad Tecmilenio

Universidad Tecmilenio is a private university, founded in 2002, as part of the Tecnológico de Monterrey System. It currently has 29 campuses located in 18 states of Mexico and Tecmilenio Online. It offers high school programs, 28 undergraduate programs, 8 executive programs, and 7 master's programs. Tecmilenio serves over 56,000 students.

A distinctive element of Tecmilenio's education model is the emphasis on students' long-term well-being, based on Positive Psychology.

How to apply: <https://youtu.be/t9GtjSt4tlc> [19]

Adrian Zuniga Valero: 011 52 (81) 2000-4786 [adrianzvalero@tecmilenio.mx](mailto:adrianzvalero@tecmilenio.mx) [20]

Learn more at: [University-partner Website \[21\]](#) | [Application Guide \[22\]](#) | [Cost Information \[23\]](#)

### **The Universidad Tecnológica de México (UNITEC)**

The Universidad Tecnológica de México (UNITEC) is a private university owned by Laureate located in Mexico City, and in the states of Guanajuato, Jalisco, México and Querétaro. UNITEC has more than 50 years of experience delivering high school and higher education. UNITEC serves over 90,000 students.

How to apply: [https://youtu.be/FQwMLlo\\_TTw](https://youtu.be/FQwMLlo_TTw) [24]

Mauricio Monroy Eligio: 011 52 (55) 23450500 ext. 47196 [mmonroye@mail.unitec.mx](mailto:mmonroye@mail.unitec.mx) [25]

Learn more at: [University-partner Website \[26\]](#) | [Application Guide \[27\]](#) | [Cost Information \[28\]](#)

### **Spanish language resources**

Our university-partners offer most of their courses in Spanish. Interested students are encouraged to take Spanish language courses and identify tutoring resources to ensure academic success as part of this transfer program. Below are some available resources.

- ASU Online, Spanish classes [29]
- ASU School of International Letters and Cultures [30]
- Maricopa Community Colleges, Spanish and Spanish Culture [31]
- University of Guadalajara Foundation, in Los Angeles, CA Programa de Español y Cultura Mexicana [32]
- Mobile apps such as Mondly [33], Babbel [34], etc.
- Spain's Instituto Cervantes [35] in Albuquerque, NM offers online Spanish courses, learn more here [36].

#### **For more information about Acceso ASU email:**

Flor Derat, MBA.

Executive Administrative Support Specialist

Mexico and Latin America Initiatives

ASU, Office of University Affairs

[acceso.asu@asu.edu](mailto:acceso.asu@asu.edu) [37]

ASU contact:

Paola Garcia Hidalgo, M.PAff.

Director, Mexico and Latin America Initiatives

ASU, Office of University Affairs

[pgarciah@asu.edu](mailto:pgarciah@asu.edu) [38]

Tel. (480) 965-8404

**Source URL:** <https://mexico.asu.edu/scholarships>

#### **Links:**

[1] <https://webapp4.asu.edu/transfercreditguide/app/searchcourses?init=false&nopassive=true>

[2] <https://ea.asu.edu>

[3] <https://admission.asu.edu/apply>

[4] <https://ea.asu.edu/how-it-works>

[5] <https://asu.secure.force.com/kb/articles/FAQ/How-do-I-convert-my-Earned-Admission-course-for-credit>

[6] <https://ea.asu.edu/courses>

[7] <https://students.asu.edu/advising/directory>



- [8] [https://students.asu.edu/tuition/results?acad\\_year=2020&include\\_summer=0&residency=INTL&acad\\_career=UGRD&campus=TEMPE&acad\\_prog=UGES&admit\\_term=&admit\\_level=&honors=0&program\\_fee=UP4005](https://students.asu.edu/tuition/results?acad_year=2020&include_summer=0&residency=INTL&acad_career=UGRD&campus=TEMPE&acad_prog=UGES&admit_term=&admit_level=&honors=0&program_fee=UP4005)
- [9] [https://students.asu.edu/tuition/results?acad\\_year=2020&include\\_summer=0&residency=NORES&acad\\_career=UGRD&campus=TEMPE&acad\\_prog=UGES&admit\\_term=&admit\\_level=&honors=0&program\\_fee=UP4005](https://students.asu.edu/tuition/results?acad_year=2020&include_summer=0&residency=NORES&acad_career=UGRD&campus=TEMPE&acad_prog=UGES&admit_term=&admit_level=&honors=0&program_fee=UP4005)
- [10] [https://students.asu.edu/tuition/results?acad\\_year=2020&include\\_summer=0&residency=AZHS&acad\\_career=UGRD&campus=TEMPE&acad\\_prog=UGES&admit\\_term=&admit\\_level=&honors=0&program\\_fee=UP4006](https://students.asu.edu/tuition/results?acad_year=2020&include_summer=0&residency=AZHS&acad_career=UGRD&campus=TEMPE&acad_prog=UGES&admit_term=&admit_level=&honors=0&program_fee=UP4006)
- [11] <https://asuonline.asu.edu/what-it-costs/>
- [12] <mailto:mabelm@cgci.udg.mx>
- [13] <https://www.udg.mx/en/welcome-university-guadalajara>
- [14] <http://biblioteca.udgvirtual.udg.mx/jspui/bitstream/123456789/119/4/Gu%c3%ada%20del%20aspirante%20de%20pregrado.pdf>
- [15] <https://www.udgvirtual.udg.mx/costos>
- [16] <https://tec.mx/en>
- [17] <https://tec.mx/es/profesional/proceso-de-admision>
- [18] <http://tesoreria.mty.itesm.mx/cuotas.aspx>
- [19] <https://youtu.be/t9GtjSt4tlc>
- [20] <mailto:adrianzvalero@tecmilenio.mx>
- [21] <https://tecmilenio.mx/en>
- [22] <https://tecmilenio.mx/es/proceso-de-admisiones/pasos>
- [23] <https://tecmilenio.mx/es/calculadora-de-costos>
- [24] [https://youtu.be/FQwMLlo\\_TTw](https://youtu.be/FQwMLlo_TTw)
- [25] <mailto:mmonroye@mail.unitec.mx>
- [26] <https://www.unitec.mx/>
- [27] <https://www.unitec.mx/admision-unitec/>
- [28] <https://www.unitec.mx/calcula-tu-beca/>
- [29] [https://go.asuonline.asu.edu/lpppc-language/?utm\\_source=google&utm\\_medium=cpc&utm\\_campaign=LANG-BRAND-P&utm\\_term=%2Basu%2Bspanish%2Bclasses&utm\\_content=ASU-Span-Classes-MBM&utm\\_initiative=GoogleBrand&gclid=EAlaIqobChMlv9O\\_8KqB5wIVFcRkCh01AAhDEAAYASAAEgJ-vfD\\_BwE](https://go.asuonline.asu.edu/lpppc-language/?utm_source=google&utm_medium=cpc&utm_campaign=LANG-BRAND-P&utm_term=%2Basu%2Bspanish%2Bclasses&utm_content=ASU-Span-Classes-MBM&utm_initiative=GoogleBrand&gclid=EAlaIqobChMlv9O_8KqB5wIVFcRkCh01AAhDEAAYASAAEgJ-vfD_BwE)
- [30] <https://silc.asu.edu/content/spanish>
- [31] <https://www.maricopa.edu/degrees-certificates/culture-society/spanish-spanish-culture-6243n-ac>
- [32] <http://udgusa.org/programa-de-espanol-y-cultura-mexicana-en-estados-unidos-y-jalisco/>
- [33] <https://app.mondly.com/>
- [34] <https://www.babbel.com/>
- [35] [https://albuquerque.cervantes.es/es/sobre\\_nosotros\\_espanol.htm](https://albuquerque.cervantes.es/es/sobre_nosotros_espanol.htm)
- [36] [https://albuquerque.cervantes.es/es/cursos\\_espanol/cursos\\_espanol.htm](https://albuquerque.cervantes.es/es/cursos_espanol/cursos_espanol.htm)
- [37] <mailto:acceso.asu@asu.edu>
- [38] <mailto:pgarciah@asu.edu>

## Transferring credits to ASU

### How credits transfer to ASU

When you transfer to ASU from another college or university, the following general standards for transfer credits apply. You can use ASU transfer tools to learn how credits will transfer and begin creating your roadmap to graduation.

### Accepted credits

ASU accepts college-level (not remedial) courses in which transfer students have earned a grade of “C” (4.00 = “A”) or better from regionally accredited colleges and universities.

## Applicability

The applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU.

## Credit hours

A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college, with the exception of some special programs. An unlimited number of credits hours will be accepted from four-year institutions. Upon admission to the university, you will work with an ASU academic advisor to determine how your transferable credits apply toward your selected major.

## Credit conversion

Acceptable academic credits earned at other institutions that are based on a different unit of credit than the one prescribed by the Arizona Board of Regents are subject to conversion before being transferred to ASU. All ASU students must meet graduation requirements (university, college, major and general studies requirements) to earn a four-year degree.

## Degree requirements

The ASU college of your major determines how transfer courses fulfill the degree requirements of your ASU major. You should review the degree requirements of the program into which you intend to transfer and talk with an academic advisor about your transfer credits and how they will apply to your degree program.

## Determining GPA

Grades and honor points that you earned at other colleges and universities are considered for admission, but your ASU cumulative grade point average is based solely on coursework taken at ASU.

## Types of transfer credits not accepted by ASU:

- courses in which you earned below “C-” as your final grade
- credit awarded by postsecondary schools in the United States that lack candidate status or are not accredited by a regional accrediting association
- credit awarded by postsecondary schools for life experience
- credit awarded by postsecondary schools for courses taken at noncollegiate institutions (e.g., governmental agencies, corporations, industrial firms, etc.)
- credit awarded by postsecondary schools for noncredit courses, workshops and seminars offered by other postsecondary schools as part of continuing education programs

Students wishing to transfer to ASU and who feel they have been unjustly denied credit for transfer courses may appeal to the appropriate committee.

## Transfer Guide

ASU's Transfer Guide is a helpful online tool to assist you in your transfer planning process. Manage your Transfer Pathways, requested course evaluations, saved courses searches, saved exam searches and more.

View the Transfer Guide [1]

## Military credits

ASU is proud to welcome transfer student veterans of the Army, Navy, Air Force, Marines, Coast Guard and National Guard to our undergraduate student community.

## Evaluation of military transcripts

ASU uses the American Council on Education's Guide to the Evaluation of Educational Experiences in the Armed Services [2] to assess how to transfer military credits to ASU. In general, a military course must be similar to an ASU undergraduate course to transfer to ASU.

Military credits that transfer to ASU through educational experiences in the armed services are not applicable toward completing ASU's general studies requirements [3] for graduation, but do count for total credits toward completion. No transfer credit is awarded for vocational certificate category ACE recommendations.

The JST is reviewed for potential transfer credit in accordance with VA guidelines and Arizona statutes related to awarding credit for military training and education. Credits are evaluated at the time of JST submission to ASU. It is recommended the JST be sent to ASU upon application to ensure timely processing and evaluation.

### **Military transcripts accepted by ASU**

**ASU accepts the following military transcripts to transfer credits:**

- JST [4] (Joint Services Transcript)
- Air University Transcript (formerly Community College of the Air Force) [5]

The CCAF is a regionally accredited community college. This transcript must be submitted as part of a student veteran's admission package for anyone who served in the United States Air Force, Air Force Reserve or Air Guard.

### **Veterans exception**

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception may be used only one time and applies only to veterans who:

- are honorably discharged
- have served in the armed forces of the United States for a minimum of two years
- have previously enrolled at a university or community college in Arizona

Military service records must be submitted, including form DD 214.

### **Air University's Associate to Baccalaureate cooperative**

Arizona State University is working in collaboration with Air University to recognize the military education of incoming Air Force personnel. Learn more about this exclusive partnership.

Air University [6]

### **Credit by exam**

You may earn no more than 60 hours of credit by exam for any degree program, including ASU comprehensive and proficiency exams.

ASU's credit by exam policy [7]

### **Frequently asked questions about transferring credits**

#### **How do I transfer credits to ASU?**

You can transfer credits to ASU by requesting your transcripts from all colleges you have attended and have them sent directly to ASU. Then, when you have completed the admission application, paid the application fee and are admitted to ASU, your qualifying credits will automatically be added to your ASU Degree Audit.

#### **How many credits can be transferred to ASU?**

You can transfer a maximum of 64 credits from a regionally accredited community, junior or two-year college for courses in which you have earned a "C" (4.00 = "A") or better.

#### **What is the ASU Transfer Guide?**

ASU's Transfer Guide [8] is a useful tool that shows how college courses you've already taken will transfer to ASU. If you don't see a particular course in the Transfer Guide, you can request a course evaluation.

View more FAQs [9]

**Source URL:** <https://admission.asu.edu/transfer/transferring-credits>

**Links:**

[1] <https://webapp4.asu.edu/transfercreditguide/app/home?init=false&nopassive=true>

[2] <http://www.acenet.edu/news-room/Pages/Military-Guide-Online.aspx>

[3] [https://catalog.asu.edu/ug\\_gsr](https://catalog.asu.edu/ug_gsr)

[4] <https://jst.doded.mil/smart/signIn.do>

[5] <https://www.airuniversity.af.edu/Barnes/CCAF/Display/article/803247/community-college-of-the-air-force-transcripts/>

[6] <https://admission.asu.edu/transfer/air-university>

[7] [https://catalog.asu.edu/credit\\_exam](https://catalog.asu.edu/credit_exam)

[8] <https://webapp4.asu.edu/transfercreditguide/app/home>

[9] <https://admission.asu.edu/contact/faqs#transfer>

## Admitted transfer student next steps

### Welcome to Arizona State University.

You're now on your way to becoming part of the most innovative and forward-thinking university in the nation. And by choosing ASU, you will become a part of a community of master learners and doers who will support you during your journey at ASU.

We've gathered your next steps to help you prepare for your transition to ASU — plus we've added some extras for you to enjoy. You'll be getting a lot of information about ASU in the coming months. This guide highlights the most important things to know so you'll be prepared for your new Sun Devil status.

### Next steps for admitted students

They say the longest journey begins with a single step. Well, enrolling at ASU isn't really a "long journey," but it does begin with one step, followed by a few more. Start taking your steps and checking them off as you complete them so you can be on your way to becoming a Sun Devil.

#### 1. Activate your ASURITE User ID and ASU email.

Your ASURITE User ID grants you access to My ASU and university services. See your admission letter for details if you haven't activated your ASURITE User ID yet. Set up your ASU email while you're activating your ASURITE User ID. [asu.edu/asurite](https://asu.edu/asurite) [1]

Need help? You can find your activation code in an email from [computer.accounts@asu.edu](mailto:computer.accounts@asu.edu) [2] with the subject line "ASU Account Activation." If you need assistance, call 1-855-278-5080 or 480-965-6500.

[Activate ASURITE](#) [3]

#### 2. Register for classes.

You must meet with an academic advisor before you can register for classes. You can find your advisor's contact information in My ASU [4] under the Academic Support Team box. You may want to review the Transfer Guide [5] to view course equivalencies before meeting with your academic advisor.

[My ASU](#) [4]

#### 3. Submit your FAFSA.

The 2020–2021 Free Application for Federal Student Aid is available now. Submit your completed FAFSA as soon as possible. ASU's Federal School Code is 001081.

Submit FAFSA [6]

#### **4. Apply for scholarships.**

Transfer scholarships are available to help pay for tuition, housing, books and other costs when you transfer to ASU.

Apply [7]

#### **5. Submit your MMR immunization verification form.**

You must submit your measles (rubeola), mumps and rubella immunization form before you can register for classes. You can fax, email or mail your records to ASU Health Services.

Submit MMR [8]

#### **6. Explore housing options.**

On-campus housing is limited for transfer students. You are encouraged to submit your housing application as soon as possible.

Learn more [9]

#### **7. Request final transcripts.**

As soon as you graduate or complete your current semester or term, request an official final transcript be sent from your college or university to ASU's Admission Services.

Learn more [10]

#### **8. Review parking and transportation**

Cars are not the only way to get to ASU. The bus and light rail are affordable options too, and students walk, bike or skateboard on campus.

[11] Review options

#### **9. Transfer Student Experience**

Make sure you're prepared for your first day of classes by attending the Transfer Student Experience. By familiarizing yourself with resources and services ASU offers, you'll be set up for success during your academic journey. Fall dates will be released summer 2021.

#### **10. Visit campus.**

If you haven't toured campus already, visiting is the best way to get an idea of what life is like as a Sun Devil. To schedule a socially distanced tour (one tour guide per family), please call 928-854-9705. If you can't make it in person, take a virtual tour [12] — or if you'd rather explore campus on your own, take a self-guided audio tour [13] to hear about every major campus attraction.

Visit campus [14]

#### **11. Attend welcome events.**

Get to know campus and meet other transfer students at ASU's free welcome events. Explore the event schedule to discover which ones to attend.

Attend [15]

### **Countdown to ASU**

As you prepare to attend Arizona State University, you might have some questions. Use this Countdown to ASU website as your go-to resource for everything you need to know about getting ready for college, and register for some helpful events to get all your questions answered.

Countdown to ASU [16]

## Need help?

### We're here for you.

ASU admission specialists can answer your questions and guide you through each step of the enrollment process between now and the time you get here. Get to know yours. We're here for you.

Find my rep [17]

## Enrollment dates

### Enrolling for spring 2021

Classes begin  
Jan. 11, 2021

### Enrolling for fall 2021

Classes begin  
Aug. 19, 2021

## Fall 2021 virtual admit packet

### This download includes:

Fall admit Transfer: Next steps brochure

Fall My ASU insert

Download [18]

**Source URL:** <https://admission.asu.edu/transfer/admitted>

### Links:

[1] <https://asu.edu/asurite>

[2] <mailto:computer.accounts@asu.edu>

[3] <https://weblogin.asu.edu/password/activation>

[4] <https://my.asu.edu>

[5] <http://tcg.asu.edu>

[6] <https://students.asu.edu/financialaid>

[7] <https://admission.asu.edu/cost-aid>

[8] <https://eoss.asu.edu/health/contact>

[9] <https://housing.asu.edu/>

[10] <https://admission.asu.edu/transcripts>

[11] <https://cfo.asu.edu/transportation>

[12] <https://tours.asu.edu>

[13] [https://tours.asu.edu/sites/default/files/asu\\_mobile\\_app\\_tours\\_instructions.pdf](https://tours.asu.edu/sites/default/files/asu_mobile_app_tours_instructions.pdf)

[14] <https://visit.asu.edu>

[15] <https://eoss.asu.edu/welcome/events>

[16] <https://yourfuture.asu.edu/transfer/countdown>

[17] <https://admission.asu.edu/contact/transfer>

[18] [https://admission.asu.edu/sites/default/files/trnadmitpacket\\_fall\\_download.pdf](https://admission.asu.edu/sites/default/files/trnadmitpacket_fall_download.pdf)

## International first-year student admission

Review the requirements and follow the steps below to apply to become an international first-year student at ASU.

### Applying to ASU as an international student

#### Academic requirements

First-year students must have a 3.00 grade point average (GPA) (a "B" or better where "A" = 4.00) from a secondary school.

Some ASU programs may have higher admission or English proficiency requirements and may require a minimum ACT or SAT score.

Must have three years of high school work (If you are currently in high school, ASU needs to see 9–11 grade work. If you have completed high school then ASU needs to see 10–12 grade work).

Must have and present a completed high school diploma or certificate.

#### Conditional admission

ASU may offer conditional undergraduate admission to international applicants to an on-campus program who meet the academic (aptitude) requirements but who are not proficient in English. This offer of conditional admission will give you time to improve your English proficiency before you start classes at ASU. Your conditional admission offer is good for up to three semesters, during which time you must meet one of these requirements [1] to begin your ASU experience.

#### Competency requirements

International students who completed high school outside the U.S. are required to meet the competency requirements.

- Math: four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).
- Laboratory science: three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences, and physics).

International students who attended four years of high school in the U.S. are required to meet the following competency requirements [2].

#### Comparable degree requirements in different countries and territories

Arizona State University recognizes that educational systems are different across the world. To help you determine if your academic credentials are comparable to a U.S. high school degree and to understand the documents that need to be submitted for admission, please review the requirements for the country from which your credential was earned.

[Archivist's Note: In-page by-country requirements tool unable to be captured.]

#### U.S. citizen?

If you are a U.S. citizen and completed all of your coursework in the U.S., visit our domestic first-year admission web page [2].

#### Find an international first-year ASU representative

Find my rep [3]

## How to apply to ASU

**Step 01:** Complete the undergraduate application for admission.

Apply online with ASU's Application for Admission [4], the Common Application [5] or the Coalition Application [6]. We have no preference between the ASU application, the Common Application or the Coalition Application. If two applications are submitted, one will be canceled in our system. Application fees are nonrefundable.

ASU's Application for Admission [7]

Common Application [5]

Coalition Application [6]

For more information about sending transcripts, please visit [admission.asu.edu/transcripts](https://admission.asu.edu/transcripts) [8]

**Step 02:** Submit the nonrefundable application fee.

International nonresidents: \$85 (\$70 for ASU online programs)

You can pay using a credit card (Visa or Mastercard) at the time you submit your application or when you log in to My ASU [9]. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

### Admission Services Applicant Processing

Arizona State University

PO Box 871004

Tempe, AZ 85287-1004

If you applied for admission through the Common Application [5] or Coalition Application [6], pay the application fee through those applications.

**Step 03:** Have official transcript(s) and examination results sent directly from your school(s) or exam board to Admission Services. Provide English translations of all documents not issued in English.

Official transcripts are certified copies of official documents from each secondary school, college, university or technical school attended. Records must include courses completed, grades or marks earned, and certificates or degrees awarded. Include a certified English translation of all documents not issued in English.

For more detailed information on submission of international transcripts and English translations, please visit our transcripts [10] page.

**Step 04:** Provide evidence of English language proficiency.

Have your TOEFL, IELTS, PTE, or DuoLingo English test score, sent directly to ASU, or provide proof of completion from Global Launch.

### TOEFL

The official TOEFL score report can be sent directly to ASU from the Educational Testing Service. ASU's TOEFL institutional code is 4007. For information about this test and registration procedures, contact ETS at PO Box 6151, Princeton, NJ 08541-6151, USA or visit [www.toefl.org](http://www.toefl.org) [11].

### IELTS

For information about this test and registration procedures, contact the IELTS Office, University of Cambridge Local Examination Syndicate, 1 Hills Road, Cambridge/CB1 2EU, UK or visit [www.ielts.org](http://www.ielts.org) [12].

### PTE

For information about the Pearson Test of English, visit [www.pearsonpte.com](http://www.pearsonpte.com) [13].

### Global Launch

ASU accepts completion of the Global Launch **English Language program** or **English for Undergraduate Admission and Achievement** online self-paced course. Learn more about Global Launch. [14].



## Duolingo English test (accepted for students seeking degree admission for 2020 and 2021 semesters)

Learn more about the Duolingo test [15]

Undergraduate English proficiency [1]

### Step 05: American university admission reminders

#### Documentation

All documents must be an original or an attested copy with an original institutional seal and/or signature. Photocopies, notarized copies, faxes or scans are not considered original documents. All documents must be translated into English if the original is not issued in English.

**Note:** Before mailing or sending any documentation, you must fill out an ASU application. Sending documents before doing so will delay the processing of your application. It is also recommended that you include your ASU EMPLID on the envelope of any documents being mailed to ASU.

#### Do you have any college credits?

- All college work must be reported at the time of filling out your application.
- We must see all transcripts/academic records from all institutions that you have ever attended (regardless if you have finished the program at that institution or not).
- All documents not issued in English must be accompanied by an English translation.
- Access the transfer credit guide [16] to check your college credits.

#### Professional third-party evaluations

ASU provides in-house credential evaluations of your secondary and postsecondary academic records at no extra cost. However, if you have already had your academic credentials evaluated, ASU will consider course-by-course evaluations from the three agencies below:

- Educational Credential Evaluators [17]
- Foreign Credentials Service of America [18]
- Academic Credentials Evaluation Institute [19]

**Note:** Official evaluations do not take the place of official academic records. The evaluation is in addition to the official academic record. If the evaluation agency includes academic records they used to complete their evaluation and indicates that the evaluation was based on official or authenticated records, we may accept those documents as official.

### Step 06: Submit your ACT or SAT scores (optional).

ACT or SAT scores are not required for admission, but may be submitted for ASU course placement or as supplemental information. Have your scores sent to ASU from ACT or College Board [20] when you register for the test. Learn more about sending your test scores to ASU in our FAQ section [21].

### Step 07: Check application status.

Once you've completed all these steps, ASU will review your application. To see if you have any missing items, and to review your admission status and I-20 status, sign in at My ASU using your ASURITE UserID, which is sent to you after you apply for admission.

#### Activate My ASU and your ASURITE UserID

You will receive your ASURITE UserID and activation code via email within one to three business days of submitting your application. If you have previously applied to ASU, your ASURITE UserID will remain the same. You'll use your ASURITE UserID to login to My ASU. If you have previously applied to ASU, your ASURITE UserID will remain the same. If you have not previously activated My ASU, have your activation code sent to you [22] by submitting your

ASU ID number and last name. If you have trouble logging in with your ASURITE UserID, contact the ASU Help Desk at 855-278-5080 or [contact.asu.edu](mailto:contact.asu.edu) [23].

Check application status [9]

**Step 08:** Submit your student visa application.

All international students planning to attend Arizona State University will need to first apply for an I-20 in order to apply for an F-1 or J-1 student visa.

Student visa info [24]

## Application deadlines

You must submit your application for admission to ASU, along with the application fee, by the deadline specified for each semester. To expedite the evaluation of your application, please remember to submit official transcripts, test scores and supporting credentials along with your application.

### Spring 2021

**Nov. 1, 2020**

Application priority deadline

**Dec. 1, 2020**

Enrollment deposit date  
(first-year students only)

**Jan. 11, 2021**

First day of classes

### Fall 2021

**May 1, 2021**

Application priority deadline

**May 1, 2021**

Enrollment deposit date  
(first-year students only)

**Aug. 19, 2021**

First day of classes

**Note:** Applications for summer that are not completed in time for the start of the summer sessions will be reviewed for admission for the fall semester.

**Note:** International students who have been admitted for the fall semester who would like to begin attending classes during the summer must contact Admission Services [25] by May 1. Otherwise, I-20s will be created for the fall semester.

Make sure to apply as early as possible to allow time for all documentation and processes to be completed.

## Frequently asked questions about international first-year admissions

### How do I apply to an American university as an international student?

To apply to ASU as an international student, you must meet certain academic requirements, as well as demonstrate proof of English proficiency. Review this page for admission and English proficiency requirements, application procedures and deadlines for undergraduate students.

## Do I have to know English to study at ASU?

Yes. ASU requires proof of English proficiency from all international student applicants, or applicants whose native language is not English. ASU accepts TOEFL, PTE, IELTS or DuoLingo English test scores or completion of ASU's Global Launch English and academic preparation courses as proof of English proficiency.

## What is Global Launch?

Global Launch is Arizona State University's English language and academic preparation unit, providing face-to-face and online English and Pathways programs for international students seeking admission to the university.

View more FAQs [26]

**Source URL:** <https://admission.asu.edu/international/first-year-apply>

### Links:

- [1] <https://admission.asu.edu/international/undergrad/english-proficiency>
- [2] <https://admission.asu.edu/first-year/apply>
- [3] <https://admission.asu.edu/findmyrep>
- [4] <https://www.asu.edu/ugapp>
- [5] <https://apply.commonapp.org/Login?ma=901>
- [6] <https://www.mycoalition.org/public/info/asu>
- [7] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)
- [8] <https://admission.asu.edu/transcripts>
- [9] <https://my.asu.edu/>
- [10] <https://admission.asu.edu/transcripts>
- [11] <http://www.ets.org/toefl>
- [12] <https://www.ielts.org/en-us/>
- [13] <https://www.pearsonpte.com/>
- [14] <https://globallaunch.asu.edu/learn-english/asu-admission>
- [15] <https://testcenter.zendesk.com/hc/en-us/sections/360001819272-Preparing-for-the-Duolingo-English-Test>
- [16] <https://webapp4.asu.edu/transfercreditguide/app/home?init=false&nopassive=true>
- [17] <https://www.ece.org/ECE>
- [18] <https://foreigncredentials.org/>
- [19] <https://www.acei-global.org/>
- [20] <https://collegereadiness.collegeboard.org/sat/scores/sending-scores/how-to-send>
- [21] <https://admission.asu.edu/contact/faqs#general>
- [22] <https://weblogin.asu.edu/password/activation?step=resendCode>
- [23] <https://contact.asu.edu>
- [24] <https://admission.asu.edu/international/student-vis>
- [25] <https://admission.asu.edu/contact/international>
- [26] <https://admission.asu.edu/contact/faqs#international>

## International transfer student admission

### How to transfer colleges as an international student

#### Comparable requirements to a high school diploma

Arizona State University recognizes that educational systems are different across the world. To help you determine if your academic credentials are comparable to a U.S. high school degree and to understand the documents that need to be submitted for admission, please review the requirements for the country from which your credential was earned.

[Archivist's Note: In-page by-country requirements tool unable to be captured.]

### International transfer student admission requirements

#### Academic requirements

Transfer students with 12 or more transferable credits must have a minimum 2.50 cumulative GPA (a "C+" or better where "A"=4.00). Some majors have higher admission requirements. To find the requirements for your specific program, please visit ASU's Degree Search [1].

Some ASU programs may have higher admission and English proficiency requirements and may consider a minimum ACT or SAT score.

Must have and present a completed high school diploma or certificate.

You must submit an official transcripts from every high school, college and university you attended, regardless if a degree was earned.

**Note:** Transfer applicants with 24 or more transferable credit hours from a recognized college or university, and who will be 22 or older by the start of the requested semester of admission, may not be required to submit a high school transcript for admission. Once all prior college or university transcripts and outstanding admission items are received and verified, the high school transcript requirement will be waived. Transfer applicants are required to have graduated from an approved high school (or equivalent) prior to the semester of requested admission at ASU, and to include this information on the application for admission.

#### Competency requirements

International students who attended four years of high school in the U.S. are required to meet the competency requirements.

- **English:** four years (composition/literature based).
- **Math:** four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).
- **Laboratory science:** three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences, and physics).
- **Social science:** two years (including one year American history).
- **Foreign language:** two years (same language).
- **Fine arts:** one year.

International students who completed high school outside the U.S. are required to meet the following competency requirements:

- **Math:** four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).
- **Laboratory science:** three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences and physics).

## Application deadlines

### Spring 2021

**Nov. 1, 2020**

Application priority deadline

**Jan. 11, 2021**

First day of classes

### Fall 2021

**May 1, 2021**

Application priority deadline

**Aug. 19, 2021**

First day of classes

**Note:** Applications for summer that are not completed in time for the start of the summer sessions will be reviewed for admission for the fall semester.

**Note:** International students who have been admitted for the fall semester who would like to begin attending classes during the summer must contact Admission Services [2] by May 1. Otherwise, I-20s will be created for the fall semester.

Make sure to apply as early as possible to allow time for all documentation and processes to be completed.

## How to apply to ASU

**Step 01:** Complete the undergraduate application for admission.

Apply online with ASU's Application for Admission [3], the Common Application [4] or the Coalition Application [5]. We have no preference between the ASU application, the Common Application or the Coalition Application. If two applications are submitted, one will be canceled in our system. The application fee is \$85 (U.S. Dollars) and is nonrefundable.

ASU's Application for Admission [6]

Common Application [4]

Coalition Application [5]

**Step 02:** Check application status.

Once you've completed all these steps, ASU will review your application. To see if you have any missing items, and to review your admission status and I-20 status, sign in at My ASU [7] using your ASURITE UserID, which is sent to you after you apply for admission.

### Activate My ASU and your ASURITE UserID

You will receive your ASURITE UserID and activation code via email within one to three business days of submitting your application. If you have previously applied to ASU, your ASURITE UserID will remain the same. You'll use your ASURITE UserID to login to My ASU. If you have previously applied to ASU, your ASURITE UserID will remain the same. If you have not previously activated My ASU, have your activation code sent to you [8] by submitting your ASU ID number and last name. If you have trouble logging in with your ASURITE UserID, contact the ASU Help Desk at 855-278-5080 or [contact.asu.edu](mailto:contact.asu.edu) [9].

Check application status [7]

**Step 03:** Have official transcript(s) and examination results sent directly from your school(s) or exam board to Admission Services. Provide English translations of all documents not issued in English.

Official transcripts are certified copies of official documents from each secondary school, college, university or technical school attended. Records must include courses completed, grades or marks earned, and certificates or degrees awarded. Include a certified English translation of all documents not issued in English.

For more detailed information on submission of international transcripts and English translations, please visit our transcripts [10] page.

**Step 04:** Provide evidence of English language proficiency.

Have your TOEFL, IELTS, PTE, or DuoLingo English test score, sent directly to ASU, or provide proof of completion from Global Launch.

**TOEFL**

The official TOEFL score report can be sent directly to ASU from the Educational Testing Service. ASU's TOEFL institutional code is 4007. For information about this test and registration procedures, contact ETS at PO Box 6151, Princeton, NJ 08541-6151, USA or visit [www.toefl.org](http://www.toefl.org) [11].

**IELTS**

For information about this test and registration procedures, contact the IELTS Office, University of Cambridge Local Examination Syndicate, 1 Hills Road, Cambridge/CB1 2EU, UK or visit [www.ielts.org](http://www.ielts.org) [12].

**PTE**

For information about the Pearson Test of English, visit [www.pearsonpte.com](http://www.pearsonpte.com) [13].

**Global Launch**

ASU accepts completion of the Global Launch **English Language program** or **English for Undergraduate Admission and Achievement** online self-paced course. Learn more about Global Launch. [14].

**Duolingo English test (accepted for students seeking degree admission for 2020 and 2021 semesters)**

Learn more about the Duolingo test [15]

Undergraduate English proficiency [16]

**Step 05:** American university admission reminders

**Documentation**

All documents must be an original or an attested copy with an original institutional seal and/or signature. Photocopies, notarized copies, faxes or scans are not considered original documents. All documents must be translated into English if the original is not issued in English.

**Note:** Before mailing or sending any documentation, you must fill out an ASU application. Sending documents before doing so will delay the processing of your application. It is also recommended that you include your ASU EMPLID on the envelope of any documents being mailed to ASU.

**Do you have any college credits?**

- All college work must be reported at the time of filling out your application.
- We must see all transcripts/academic records from all institutions that you have ever attended (regardless if you have finished the program at that institution or not).
- All documents not issued in English must be accompanied by an English translation.
- Access the transfer credit guide [17] to check your college credits.

### Professional third-party evaluations

ASU provides in-house credential evaluations of your secondary and postsecondary academic records at no extra cost. However, if you have already had your academic credentials evaluated, ASU will consider course-by-course evaluations from the three agencies below:

- Educational Credential Evaluators [18]
- Foreign Credentials Service of America [19]
- Academic Credentials Evaluation Institute [20]

**Note:** Official evaluations do not take the place of official academic records. The evaluation is in addition to the official academic record. If the evaluation agency includes academic records they used to complete their evaluation and indicates that the evaluation was based on official or authenticated records, we may accept those documents as official.

#### Step 06: Submit your ACT or SAT scores (optional).

ACT or SAT scores are not required for admission, but may be submitted for ASU course placement or as supplemental information. Have your scores sent to ASU from ACT or College Board [21] when you register for the test. Learn more about sending your test scores to ASU in our FAQ section [22].

#### Step 07: Submit your student visa application.

All international students planning to attend Arizona State University will need to first apply for an I-20 in order to apply for an F-1 or J-1 student visa.

Student visa info [23]

### Schedule a transfer appointment

Contact our international transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact us [24]

**Source URL:** <https://admission.asu.edu/international/transfer-apply>

#### Links:

- [1] <https://asu.edu/degrees>
- [2] <https://admission.asu.edu/contact/international>
- [3] <https://www.asu.edu/ugapp>
- [4] <https://apply.commonapp.org/Login?ma=901>
- [5] <https://www.mycoalition.org/public/info/asu>
- [6] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)
- [7] <https://my.asu.edu>
- [8] <https://weblogin.asu.edu/password/activation?step=resetCode>
- [9] <https://contact.asu.edu>
- [10] <https://admission.asu.edu/transcripts>
- [11] <http://www.ets.org/toefl>
- [12] <https://www.ielts.org/en-us/>
- [13] <https://www.pearsonpte.com/>
- [14] <https://globallaunch.asu.edu/learn-english/asu-admission>
- [15] <https://testcenter.zendesk.com/hc/en-us/sections/360001819272-Preparing-for-the-Duolingo-English-Test>
- [16] <https://admission.asu.edu/international/undergrad/english-proficiency>
- [17] <https://webapp4.asu.edu/transfercreditguide/app/home?init=false&nopassive=true>
- [18] <https://www.ece.org/ECE>
- [19] <https://foreigncredentials.org/>
- [20] <https://www.acei-global.org/>

[21] <https://collegereadiness.collegeboard.org/sat/scores/sending-scores/how-to-send>

[22] <https://admission.asu.edu/contact/faqs#general>

[23] <https://admission.asu.edu/international/student-visa>

[24] <https://admission.asu.edu/contact/international>

## English proficiency for international undergraduate applicants

### English proficiency exam update

#### For students affected by center closures

For international students affected by testing centers closures due to the coronavirus (COVID-19), Arizona State University has temporarily approved the use of the Duolingo English test in addition to the in-person TOEFL, IELTS and PTE English proficiency exams.

The exam cost \$49 (USD) and may be taken from any computer that has a camera, audio and reliable internet. The exam portion of the Duolingo English test contains a series of speaking, reading, writing and listening exercises. Following the exam, there will be an interview portion that will ask you to respond to various prompts in 30 to 90 seconds. The exam will take about 45 minutes to complete and you will need either a passport, driver license, or national or state ID to show the camera. The score results are generally received within a few days of exam completion.

**Should you choose to take the Duolingo English test, the access information is below.**

Information on preparing for the exam [1] | Take the exam or practice exam [2]

A verification email will be sent to you a few days after completing the exam containing a link to send your score to ASU.

For additional information, please review the frequently asked questions [3].

An applicant who is not a U.S. Citizen or is not a permanent resident of the U.S., or a citizen of a country listed on the "English Speaking Country" list must demonstrate English proficiency.

### English language proficiency requirements

You must meet one of the following English language proficiency requirements.

#### Pass the TOEFL, IELTS or PTE\* or Duolingo English test

##### Test of English as a Foreign Language (TOEFL)

###### TOEFL iBT (internet-based test)

For the general requirement programs, the minimum score is 61 (iBT). ASU's institutional code is 4007. ASU accepts only electronic copies of the TOEFL score report.

Bachelor of Science in Nursing: minimum score of 76.

Ira. A Fulton Schools of Engineering (higher admission requirement programs only): minimum score of 79.

Walter Cronkite School of Journalism and Mass Communication: minimum score of 100.

Learn more about the TOEFL [4]



### **TOEFL pBT (paper-based test)**

For the general requirement programs, the TOEFL paper-based tests (pBT) minimum score is 57.

Bachelor of Science in Nursing is minimum score is 63.

Ira A. Fulton Schools of Engineering (higher admission requirement programs only) minimum score is 63.

Walter Cronkite School of Journalism and Mass Communication minimum score is 72.

### **International English Language Testing System (IELTS)**

The overall band score requirement for the academic test is at least 6.0. The general training exam is not accepted. No institutional code is needed.

Bachelor of Science in Nursing: minimum score of 6.5.

Ira. A Fulton Schools of Engineering (higher admission requirement programs only): minimum score of 6.5.

Walter Cronkite School of Journalism and Mass Communication: minimum score of 7.0.

Learn more about IELTS [5]

### **Pearson Test of English (PTE)**

ASU requires a score of at least 53.

This test is not accepted for admission to the Bachelor of Science in Nursing program.

Ira. A Fulton Schools of Engineering (higher admission requirement programs only): minimum score of 58.

Walter Cronkite School of Journalism and Mass Communication: minimum score of 73.

Learn more about PTE [6]

### **Duolingo English test**

General requirement programs: minimum score of 95.

Bachelor of Science in Nursing: minimum score of 100.

Ira. A Fulton Schools of Engineering (higher admission requirement programs only): minimum score of 105.

Walter Cronkite School of Journalism and Mass Communication: minimum score of 120.

Learn more about the Duolingo English test [1]

An IELTS, PTE or TOEFL must have been taken no longer than two years prior to the student's start date at ASU. Applicants who have scores that are more than two years old (or will be more than two years old by the time of ASU's start date) may be requested to submit updated test scores or demonstrate English proficiency through one of the other listed options.

### **Complete Global Launch courses at ASU\***

#### **English Language program**

Complete the highest level of the Campus or Online Immersion English language program with a passing grade of B- (80%) or better.

## Online English course

Complete the English for Undergraduate Admission and Achievement online course with a passing score.

Learn more about Global Launch [7]

\*Individual academic units may have higher requirements for English proficiency. Review your degree program of interest for details. Visit ASU's degree search to find your program.

## Other ways to demonstrate English proficiency

- U.S. citizens or U.S. permanent residents.
- Citizen of an English-speaking country or territory [8].
- Junior and senior year of high school completed in the U.S. AND ACT English score of 23 or higher or SAT EBRW score of 580 or higher, AND two years English.
- Four years of high school in the U.S. with four years of English.
- 48 transferable credits from a regionally accredited U.S. college or university with a GPA of 2.50 or higher, of which six credits are in first-year English (comparable to ASU ENG 107 and 108).
- Undergraduate applicants who have earned a secondary or high school degree or higher from an international institution that is officially recognized by that country, and whose sole medium of instruction for the degree program was in English. If the transcript does not indicate language of instruction, the applicant should email [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [9] to request exemption and include a letter from the institution on letterhead indicating language of instruction or provide information on the institution website to verify language of instruction.

**Note:** English as a Second Language (ESL) courses are not accepted as proof of English proficiency.

**Source URL:** <https://admission.asu.edu/international/undergrad/english-proficiency>

### Links:

[1] <https://testcenter.zendesk.com/hc/en-us/sections/360001819272-Preparing-for-the-Duolingo-English-Test>

[2] <https://englishtest.duolingo.com/applicants>

[3] <https://testcenter.zendesk.com/hc/en-us>

[4] <http://www.ets.org/toefl>

[5] <https://www.ielts.org/>

[6] <https://pearsonpte.com/>

[7] <https://globallaunch.asu.edu/learn-english/asu-admission>

[8] <https://admission.asu.edu/international/english-speaking-countries>

[9] <mailto:asuinternational@asu.edu>

## Student visas

### I-20 updates for summer and fall 2021 semester

We look forward to your summer or fall arrival and have been hard at work making plans to welcome our new international students to campus.

We know there may still be disruptions to the I-20 and visa process, including consulate and bank closures, visa interview delays and flight interruptions. ASU is here to help you through, and will be flexible with your arrival to campus.

### What we want you to know

1. **Do not delay in submitting your documents required for issuance of your I-20 to us.** Upload what you have to My ASU [1] as soon as you have them. If you are waiting for other documents, submit what you have so far, then upload your final documents once you have them.

2. **As soon as you receive your visa and are ready to travel, contact ASUinternational@asu.edu [2] or +1 480-965-2437.** We will work with you to schedule your arrival date to ASU.
3. **If you are unable to submit your documentation needed to receive an I-20 from ASU or are unable to obtain your F1 visa in time to arrive by the start of the semester of your admission,** contact ASUinternational@asu.edu [2] and we can advise you on your options.
4. **If you have any questions, please contact our International Admission Services team at ASUinternational@asu.edu [2] or +1 480-965-2437.** We will work with you to keep you on track.

### Helpful reminder

Be sure to check wait times for your local embassy [3], as some areas may be experiencing wait times longer than 30 days. Complete these steps as soon as possible so that when your local embassy can take your appointment, you will be ready to proceed with your next steps.

## Types of international student visas

As an international student at Arizona State University, you will need to obtain an F-1 or J-1 student visa.

### F-1 student visa

The F-1 visa is the most common student visa and is issued to full-time students enrolled in an academic or language program at a U.S. institution. Any student who is funded either by personal or outside funds, or a combination of the two, is eligible for F-1 status. If you are a student applying for an F-1 visa, you must request the SEVIS Form I-20 from the appropriate ASU admission office once admitted to ASU.

### J-1 student visa

The J-1 visa is an exchange visitor visa issued to students at all academic levels. Students must have a substantial portion of their funding coming from a source other than their personal finances (e.g., their home institution or government). If you are a student applying for a J-1 visa, you must request Form DS-2019 from the appropriate ASU admission office once admitted to ASU.

### F-2 dependent visa (undergraduate)

The F-2 visa is a nonimmigrant visa that allows dependent spouses and children of F-1 student visa holders to enter the U.S. and enroll in an educational institution. As a student with F-2 visa status, you can attend ASU only as a part-time student. For the undergraduate level, this means you may register for up to 11 credit hours for the spring and fall terms.

More F-2 information [4]

### F-2 dependent visa (graduate)

The F-2 visa is a nonimmigrant visa that allows dependent spouses and children of F-1 student visa holders to enter the U.S. and enroll in an educational institution. As a student with F-2 visa status, you can attend ASU only as a part-time student. For the graduate level, this means you may register for up to eight credit hours for the spring and fall terms. Some graduate programs do not allow students to attend part time. For additional information, please contact your program of interest.

More F-2 information [4]

## SEVIS Form I-20

An initial I-20 is issued for students with a new SEVIS record. A transfer I-20 is issued for students who have an active SEVIS record at a U.S. high school or higher education institution, and are transferring their records to ASU.

### Initial I-20

If you have not been issued an I-20 in the past, or if you have but the SEVIS record affiliated with that I-20 was terminated or completed, you should request an initial I-20.

Once you have uploaded all required documents in My ASU [1] for the I-20, ASU Admission Services will begin the process of creating your initial I-20.

### Transfer I-20

If you have an active SEVIS record at another U.S. school (high school or higher education institution) and are requesting an I-20 through ASU, you should follow the Request Transfer SEVIS Form I-20 [5] section below. Once you have uploaded all required documents in My ASU [1] for the I-20, ASU Admission Services will begin the process of creating your transfer I-20.

Go to the Transfer Sevis section [6]

### Getting an I-20

An I-20 is an important immigration document that F-1 students need in order to obtain their student visa and enter the U.S. ASU guides each student through the process of obtaining their I-20. **Priority Tasks** on My ASU [1] alerts students to the steps they need to take. The process of obtaining an I-20 can take some time, so it is important not to wait until the last minute to begin gathering the necessary documents and uploading them.

For sponsored students, the steps to obtaining an I-20 are slightly different than for nonsponsored students. Students should use the descriptions below to determine whether or not they are a sponsored student.

#### Sponsored student

A sponsored student's school and living expenses are paid by a sponsoring agency recognized by ASU.

Some examples of sponsoring agencies are ADNOC, ARAMCO, Dubai Electricity & Water Authority, Kuwait Cultural Office, Oman Cultural Division, Qatar Airways, Qatar Defense Attaché, Qatar Higher Education Institute, Qatar Petroleum, RasGas, Saudi Arabian Cultural Mission, Sidra, UAE Cultural Division and the UAE Scholarship Coordination Office.

Most of ASU's sponsored students come from Saudi Arabia, Kuwait, UAE, Qatar and Oman.

Note: Students receiving an ASU scholarship or TA/RA position are not considered sponsored students.

#### Nonsponsored student

A non-sponsored student's school and living expenses are paid for through personal or family funds, loans or through other means not associated with an ASU-recognized sponsoring agency.

Students who are unsure if they are a sponsored student should contact ASU Admission Services at ASUinternational@asu.edu [2] or +1 480-965-2437.

### How to request an I-20

#### Step 01: Fill out the Financial Guarantee form

In compliance with the Department of Homeland Security and SEVIS regulations, all international applicants on the F-1 student visa must provide evidence of sufficient funds available for their studies in the U.S. For this purpose, a Financial Guarantee form [7] must be completed and submitted along with bank statements dated within the past 12 months and signed or wet stamped by an authorized bank or representative, or by a recognized sponsoring agency in the U.S. Please submit your Financial Guarantee form along with your bank statements or sponsor letter from an authorized sponsoring agency. ASU will not be able to process your SEVIS Form I -20 without receipt of your Financial Guarantee.

Please refer to the Financial Guarantee form to determine the amount of funds required for your specific program and campus. You can access the form here [7].

Students with dependents (a spouse and/or child) who will be joining them in the U.S. during their time on an F-1 or J-1 visa will need to provide proof of the following additional funds:

### **Additional financial support needed for dependents**

Spouse – \$7,000

Each child – \$5,000

Financial Guarantee form [7]

### **Step 02: Provide bank statements**

The **Financial Guarantee** form is separate from the financial documentation that you will need to provide. Examples of **financial documents** valid for I-20 processing are listed below.

**Bank statements** that show liquid funds (funds that can be immediately accessed and used). These can be one statement covering the entire amount displayed on the financial guarantee form for one year of attendance at the university, or a collection of bank statements from the people listed on the financial guarantee as sponsors. Note that the summary of available balances on these statements will still need to total the amount listed on the financial guarantee form for one year of attendance at the university. These statements need to be dated within the last 12 months. Please note that an Affidavit of Support cannot be used in lieu of a bank statement.

For sponsored students, a **sponsor letter** produced by a sponsoring agency recognized by ASU stating the applicant's full name, academic program in ASU, term of the sponsorship and amounts covered by it. Some of the agencies are: ADNOC, ARAMCO, Dubai Electricity & Water Authority, Kuwait Cultural Office, Oman Cultural Division, Qatar Airways, Qatar Defense Attaché, Qatar Higher Education Institute, Qatar Petroleum, RasGas, Saudi Arabian Cultural Mission, Sidra, UAE Cultural Division and the UAE Scholarship Coordination Office. You can read more about this in the sponsored student section.

### **Step 03: Upload a copy of your passport**

You may take a clear photo or scan of the biographic page of your passport and upload it to the link on My ASU [1]. The bio page is the page that shows your picture and personal details. Your passport must be valid for at least six months after your proposed date of entry into the U.S. If it is not valid, the I-20 will not be processed.

### **Step 04: Request initial SEVIS Form I-20 or Form DS-2019**

#### **Undergraduate students**

Once you are admitted to ASU and submit your financial guarantee, you will need to complete two steps for us to create and send your SEVIS Form I-20 or Form DS-2019. The tasks will appear in your Priority Tasks list on My ASU [1]. Upload the following items through My ASU, then request Form I-20 or Form DS-2019:

- Financial Guarantee form [7]
- Proof of finances (bank statement)
- Passport

Click on Priority Tasks to notify us if you are in the U.S. and to request the delivery option for your SEVIS Form I-20.

If you are already studying in the U.S. on a SEVIS Form I-20, you will need to have your records transferred to ASU by following the Transfer SEVIS Form I-20 steps (see Step 03 below).

#### **Graduate students**

Once you are admitted to a graduate program at ASU, you will see new items on your My ASU [1] Priority Tasks list. The items include:

- Financial Guarantee form
- Proof of finances
- Passport
- "Request I-20" or "Request DS-2019"

When you click on the items in your Priority Tasks, a pop-up box will provide you with additional information and directions for what you need to do.

You will also see two Graduate Admission Services holds, which will be removed only when your SEVIS Form I-20 or Form DS-2019 is issued.

When you submit your Financial Guarantee form and proof of finances, allow three business days for the items to be processed and removed from your Priority Tasks list. When the documentation has been added to your electronic file, you will be assigned to a student services assistant who will process your SEVIS Form I-20 or DS-2019, and who will contact you if there is a problem. Processing a SEVIS Form I-20 or Form DS-2019 usually takes three to seven business days.

## **OR**

Request Transfer SEVIS Form I-20 or Form DS-2019

### **Undergraduate students**

Print the ASU Undergraduate SEVIS Transfer Request form [8] and submit it to your current school informing your intent to enroll at ASU.

Pick up the new ASU SEVIS Form I-20 in ASU's Office of Undergraduate Admission Services when you arrive at ASU, then report to the International Students and Scholars Office.

If you are going to travel outside the U.S. before your studies at ASU, you will need to re-enter the U.S. with the ASU SEVIS Form I-20. Contact ASU International Admission Services [9] to make arrangements to receive the ASU SEVIS Form I-20 before leaving the U.S. ASU will not mail the SEVIS Form I-20 unless you request it. If you need your SEVIS Form I-20 sent to your home country, ASU can send it through FedEx if you provide a credit card number and expiration date to charge the FedEx fee. Present the ASU SEVIS Form I-20 at the U.S. Port of Entry.

If you have any questions, please contact the international student advisor at the school that you are now attending or contact:

Admission Services  
1151 S Forest Avenue  
Tempe, AZ 85287-0112  
Phone: 480-965-2437  
Email: [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [2]

### **Graduate students**

Print the ASU SEVIS Transfer Request form [10]. Fill out the top part of the form and submit it to your current school to inform them of your intent to transfer to ASU. They need to fill out the bottom portion indicating a specific transfer date.

Your SEVIS Form I-20 or Form DS-2019 will be mailed to you or will be available for pick up according to the information you provided when you submitted the "Request I-20" or "Request DS-2019."

If you will travel outside the U.S. before your studies at ASU, contact Admission Services at 480-965-6113 or [gograd@asu.edu](mailto:gograd@asu.edu) [11] to provide details about your travel plans.

### **Step 05: Review SEVIS Form I-20 or Form DS-2019**

It is important to understand your SEVIS document; each page contains important information that you must read. You must ensure that all information is correct (spelling, dates, etc.). If there are any mistakes, please contact the admission office as soon as possible to have the information corrected. You will need the SEVIS Form I-20 or Form DS-2019, your ASU notification of admission, the Financial Guarantee form and your passport in order to obtain your student visa at the U.S. consulate nearest you [12].

#### **Understanding the SEVIS Form I-20**

The SEVIS Form I-20 is a three-page government document used for students to obtain an F-1 visa.

- Page 1 contains program and biographical information.
  - Your SEVIS Identification Number is on the top right side of the form. You will need this number for your visa application and to pay the SEVIS fee.
  - F-1 students will be permitted to enter the U.S. 30 days prior to their report date, which is No. 5 on their SEVIS Form I-20. Please note that if you enter the U.S. after the report date, you may encounter difficulty with immigration officials at the Port of Entry. By signing the Student Certification No. 11 on the SEVIS Form I-20, you are acknowledging that you have read and understand the terms and conditions of F-1 status.
- Page 2 contains instructions for the school and student. It is important that you read Page 2 of your SEVIS Form I-20, which has important immigration information for maintaining your F-1 status while pursuing your studies as ASU.
- Page 3 contains spaces for future travel authorization. You will not need a signature on this page when you travel to the U.S. using your SEVIS Form I-20 for the first time.

Note: Dependents accompanying the F-1 student in F-2 status must have their own SEVIS Form I-20, issued in the name of the dependent.

#### **Understanding the SEVIS Form DS-2019**

The SEVIS Form DS-2019 is a two-page government document used for students and scholars to obtain a J-1 visa.

- Page 1 contains program and biographical information.
  - Your SEVIS Identification Number is on the top right side of the form. You will need this number for your visa application and to pay for the SEVIS fee.
  - This page also contains spaces for future travel authorization. You will not need a signature on this page when you travel to the U.S. using your SEVIS Form DS-2019 for the first time.
- Page 2 contains instructions for the school and student. It is important that you read Page 2 of your SEVIS Form DS-2019, which has important immigration information for maintaining your J-1 status while pursuing your studies at ASU.

Note: Dependents accompanying the J-1 student in J-2 status must have their own SEVIS Form DS-2019, issued in the name of the dependent.

### **Step 06: Process SEVIS Form I-901 and payment**

Upon receipt of SEVIS Form I-20 or Form DS-2019, you will have the information needed to pay the SEVIS fee and the SEVIS Form I-901 [13] fee. You must pay the SEVIS fee and have a receipt prior to applying for a student visa.

The SEVIS Form I-901 [13] fee is mandated by the U.S. Congress to support the program office and the automated system that keeps track of students and exchange visitors, and ensures that they maintain their status while in the U.S.

#### **I-20 and DS-2019 issuance timeline**

The U.S. government has strict regulations on the issuance of I-20 and DS-2019 documents to international students who wish to attend an educational institution in the U.S. The dates below are for issuance of an I-20 or DS-2019, the latest date to report to the appropriate international student office, and the final day to be enrolled full time. Any noncompliance

with these dates may preclude you from registering for classes. International students not enrolled full time will have their SEVIS record terminated and become subject to detainment and deportation.

### **Fall 2021 semester**

#### **Jan 11, 2021**

First day to issue I-20/DS-2019

#### **July 19, 2021**

Final day to ship I-20/DS-2019 outside the U.S.

#### **July 19 — August 19, 2021**

MANDATORY SEVIS check-in with ISSC

### **Spring 2022 semester**

#### **Sep 1, 2021**

First day to issue I-20/DS-2019

#### **Dec 10, 2021**

Final day to issue I-20/DS-2019 outside the U.S.

#### **Jan 10, 2022**

Final day to issue I-20/DS-2019 for SEVIS transfer students within the U.S.

### **Summer 2022 semester**

#### **Feb 1, 2022**

First day to issue I-20/DS-2019

#### **Apr 15, 2022**

Final day to issue I-20/DS-2019 outside the U.S.

#### **May 16, 2022**

Final day to issue I-20/DS-2019 for SEVIS transfer students within the U.S.

#### **Aug 9, 2021**

Final day to ship I-20/DS-2019 for SEVIS transfer students within the U.S.

#### **Aug 19, 2021**

Final day for SEVIS transfer students in the U.S. to pick-up I20 at ASU.

#### **Aug 19, 2021**

First day of classes and deadline to check-in with ISSC

#### **Dec 11, 2021 — Jan 10, 2022**

MANDATORY SEVIS check-in with ISSC

#### **Jan 10, 2022**

First day of classes and deadline to check-in with ISSC

#### **Apr 17, 2022 — May 16, 2022**

MANDATORY SEVIS check-in with ISSC

#### **May 16, 2022**

First day of classes and deadline to check-in with ISSC



## The student visa application process

### Step 01: Apply for nonimmigrant visa, DS-160

As a visa applicant, you must submit a completed DS-160, Online Nonimmigrant Visa Application [14] for all nonimmigrant visa categories. Read complete details about student visas [15].

**Note:** After you have completed the DS-160, you will need to print and keep the DS-160 barcode page.

### Step 02: Schedule visa interview

To schedule your interview, locate your local U.S. Embassy or Consulate [12]. Each consulate sets its own timeline for accepting and processing [3] student visa applications. If the consulate says apply “at least” 60 days before your program departure, this means no fewer than 60 days. To avoid problems, submit your visa application at the earliest date the consulate will accept it.

### Step 03: Pay visa application fee

Please read information about nonimmigrant visa application fees [16]. Applicants must pay these fees as directed prior to their visa interview, and they must bring the receipt to their interview.

If the visa is issued, please note that a visa issuance reciprocity fee may be applicable based on your country of citizenship. Please refer to the Visa Reciprocity Table [17] to see if this fee applies to you.

### Step 04: Prepare for visa interview

Start gathering the required documents for your student visa application the moment you apply to your program. Read through all information provided online by the U.S. Embassy or Consulate [12] that you will be visiting. At your interview, you will need to provide:

- SEVIS Form I-20 or Form DS-2019 with your SEVIS record number issued by ASU
- a receipt of your SEVIS Form I-901 fee
- confirmation page for application form DS-160
- passport valid for at least six months after your proposed date of entry into the U.S.
- one 2x2 inch photograph of yourself
- a receipt of your visa application fee(s) — pay before your appointment
- financial evidence showing you, your parents, or your sponsor have sufficient funds to cover your tuition and living expenses during your studies
- transcripts or diplomas from previous schools attended
- scores from standardized tests required by the college, such as the TOEFL

Tips on preparing for your interview [18]

### Step 05: Prepare documents for travel

As you get ready to arrive in Arizona, be sure to prepare your documents for travel. Here are some items you should carry with you. It is advisable to keep a copy in your checked luggage and one with your family at home. Make sure you have these original documents available at all times while traveling to and within the U.S.:

- I-20 or DS-2019
- valid passport
- current visa
- copy of immunization records
- original supporting financial documents
- dependents' I-20 or DS-2019 and passports if your spouse and children will be traveling with you
- international travel coverage documents, if you purchased this coverage.

## Frequently asked questions about student visa

### How do I get a student visa?

To get a student visa, you must first apply and be admitted to ASU. Once admitted, you must apply for an I-20 through ASU by uploading the required documentation. Once you receive your SEVIS number from the I-20 created by ASU, you'll apply for your student visa through your country's embassy. The visa process includes some paperwork and an in-person interview with an immigration officer at your local embassy. The embassy then creates the student visa with your passport and will indicate the dates you can arrive in the U.S. for your studies.

### What is SEVIS?

SEVIS stands for Student and Exchange Visitor Information System. You must complete a SEVIS form I-20 to get an F-1 student visa or a SEVIS form DS-2019 to get a J-1 student visa.

### Can I get a job while in the U.S. as a student?

Yes, you may work as a student, though ASU recommends you work no more than 20 hours per week. Many international students work for ASU, as the university employs more than 10,000 students. You may also work off campus, but if you do, it's important that your employer understands that you are an ASU student and that your education is one of your top priorities.

View more FAQs [19]

**Source URL:** <https://admission.asu.edu/international/student-visa>

### Links:

[1] <https://my.asu.edu/>

[2] <mailto:ASUinternational@asu.edu>

[3] <https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/wait-times.html>

[4] [https://admission.asu.edu/sites/default/files/33056\\_f-2dependentsintous\\_handout\\_v8.pdf](https://admission.asu.edu/sites/default/files/33056_f-2dependentsintous_handout_v8.pdf)

[5] <https://students.asu.edu/forms/admission>

[6] <https://admission.asu.edu/international/student-visa#transfer>

[7] <https://students.asu.edu/forms/FinancialGuarantee>

[8] <https://students.asu.edu/forms/undergraduate-sevis-transfer-form>

[9] <https://admission.asu.edu/contact/international>

[10] <https://students.asu.edu/graduate-sevis-transfer-request-form>

[11] <mailto:gograd@asu.edu>

[12] <http://www.usembassy.gov/>

[13] <https://www.fmjfee.com/>

[14] <https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/forms/ds-160-online-nonimmigrant-visa-application.html>

[15] <https://travel.state.gov/content/travel/en/us-visas/study/student-visa.html>

[16] <https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/fees/fees-visa-services.html>

[17] <http://travel.state.gov/content/visas/en/fees/reciprocity-by-country.html>

[18] <http://travel.state.gov/content/visas/en/immigrate/immigrant-process/interview/prepare.html>

[19] <https://admission.asu.edu/contact/faqs#international>

## Next steps for admitted international students

Congratulations on your admission to ASU. It is our pleasure to welcome you.

We are excited that you have chosen to pursue your degree at Arizona State University.

This is your guide you through the important steps you need to take to enroll for classes and prepare for the beginning of your academic year. Here you will find information about the visa application process, preparing for travel, arriving at ASU, registering for courses and much more.

Be sure to check My ASU [1] regularly and complete any pending items under your **Priority Tasks**. We wish you a successful academic year and look forward to seeing you in Arizona soon.

### 1. Request your I-20 and apply for your visa

International students who wish to pursue their studies at ASU must obtain an F-1 or J-1 visa. To obtain a visa, students must first receive a SEVIS number and I-20 document from ASU. Learn more about the SEVIS and student visa steps.

Learn more about requesting your I-20 [2]

**Once you have received your SEVIS and I-20 from ASU, make sure you complete the steps on the student visa checklist [3].**

### 2. Activate your ASU ID and email account

After you applied to ASU, you were issued an ASURITE UserID in an email. This ID gives you access to ASU's online student services through My ASU [1]. You must activate your ASURITE UserID online.

- While activating your ASURITE UserID [4] you can set up your ASU (@asu.edu) email account. This email is the official address to which the university sends email communications and is recorded in ASU's electronic directories.
- If you do not have an ASURITE UserID and activation code, call 480-965-2437. If you need help with the activation process, contact the University Technology Office Help Desk at 1-855-278-5080.
- Review computer security guidelines [5].

### 3. Complete tasks in My ASU

#### Enrollment deposit (freshmen only)

Pay your enrollment deposit on My ASU [1] to confirm you will attend.

#### MMR immunization

Check My ASU [1] and click on the MMR Immunization hold for detailed instructions.

#### Math placement test (undergraduates only)

Students who are required to take the test will see the item "Take Math Placement Test" under **Priority Tasks** in My ASU [1].

#### Complete pre-orientation on My ASU

All international students are encouraged to complete the digital orientation available on My ASU [1] prior to arrival to ASU.

### 4. Transfer credit

If you are a transfer student bringing college credit with you, Admission Services initially awards transfer credit. However, your academic advisor in your major will determine how the credit applies to your degree. Call 480-965-2437 or email [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [6] if you have any questions.

## 5. Review housing and dining options

To apply to live on campus, please visit My ASU [1] to choose your housing preferences. If you intend to live elsewhere, please notify the university by choosing that option on your **Priority Tasks** in My ASU. If you are a transfer or graduate student not planning to live on campus and need assistance with your housing transition, please contact Off Campus Housing [7].

ASU offers several meal plan options for students living on and off campus. Review meal plan options [8] and visit [housing.asu.edu](http://housing.asu.edu) [9] for information on housing and dining options.

## 6. Schedule academic advising appointment and register for classes

Register for classes by going to the Academic Support Team box in My ASU [1] and clicking on **Academic Advising** to schedule an advising appointment.

All freshman students are required to pay the enrollment deposit [10] prior to registering for courses.  
Learn more [10]

Transfer students in Ira A. Fulton Schools of Engineering and W. P. Carey School of Business will receive additional information by email from their college about the next steps to take to receive advising and register for classes.

If you are a graduate student, you will need to contact your academic department about steps to take to select and register for courses. You can view your academic unit contact information in the My Programs and Degree Progress box in My ASU [1]. Note that you may have holds on your enrollment that you need to complete before you can register for classes.

- **Fall admits:** Class registration typically becomes available mid-spring.
- **Spring admits:** Class registration typically becomes available mid-October. Take some time now to review and complete any outstanding holds you may have under Priority Tasks in My ASU so you can be ready for registration.

Class registration [1]

## 7. Learn about tuition and fees

Tuition charges will be billed to your student account and may be viewed online through My ASU [1]. By registering for classes, you agree to pay all applicable tuition and registration fees. If you decide not to attend, you must completely withdraw from all classes before the semester begins.

If tuition is not paid by the applicable due date, you will automatically be enrolled in the tuition installment plan and charged a nonrefundable enrollment fee. Visit the Tuition and Billing website [11] for more information.

You can access online billing through My ASU [1]. Click on **My Finances**, then **Make a Payment**. Students are responsible for reviewing their ASU email account for notification of billing statements and reviewing their student account on My ASU [1] for current information. Billing statements are not mailed to your home.

## 8. Make travel arrangements

You are expected to arrive in the U.S. for International Student Orientation [12]. You may not enter the U.S. more than 30 days before the start date listed on your SEVIS I-20 Form or DS-2019. If you are not able to arrive by the first day of classes due to visa delays, you must contact International Admission Services at [ASUinternational@asu.edu](mailto:ASUinternational@asu.edu) [6]. Admission Services will provide you with further instructions. Do not attempt to enter the U.S. after the school start date indicated on your I-20 or DS-2019, as you will be denied entry. See the academic calendar for important dates for the upcoming semester.

Learn more about orientation [12]

Learn more about traveling to the U.S. [13]

Review CDC testing requirements [14]

## Entering the U.S. and arriving in Phoenix

Most students will arrive in the U.S. at an airport other than Phoenix Sky Harbor (PHX). If you will arrive at PHX on an international flight, please see the international information on the Sky Harbor website [15].

Regardless of your Port of Entry (POE), at the first entry point into the U.S. as a legal nonimmigrant, you will be required to complete the items below. For more explanation of what to expect at a POE, visit the U.S. Immigration and Customs website [16].

### Visa/I-20 checkpoint

At your point of entry, U.S. Customs and Border Protection will check your documents. This is where you will need to present your passport, visa and I-20 to the Customs and Border Protection officer.

The passport must be stamped by the port of entry official notating F-1 D/S or J-1 D/S (Duration of Status), date, and location of arrival in the U.S. If this is incomplete or the stamped date or visa classification is incorrect, please bring it to the attention of the port of entry official so they can make the correct annotation. Errors noticed after you leave the airport should be brought to the attention of the International Students and Scholars Center.

While a CBP officer inspects your immigration documents, you may be asked some general questions. Don't get agitated or nervous; it's just a routine procedure. Always answer clearly, honestly and politely. If there is a problem, suggest that they contact the International Students and Scholars Center at 480-727-4776. We are open during office hours, Monday through Friday, from 8 a.m. to 5 p.m.

There is no cause for alarm if you are asked to step into a side room. They may need to ask you some questions or verify some information. You are allowed to ask the officer what the issue is — just do so respectfully.

### Customs checkpoint

After checking your documents and clearing you to enter the U.S., you will proceed to the baggage claim area to collect your luggage. You will then need to enter a line with U.S. Customs (or Agricultural Dept.) officials where they may ask about the contents of your bags or ask to open them. Students should follow their instructions and answer their questions honestly and politely. Please bear in mind that the penalty for carrying contraband is very high and may result in deportation.

After you collect your luggage, you will go through the customs checkpoint. This is where you turn in the form you were given on the airplane. On this form, you must declare if you have funds exceeding \$10,000 (in any currency) and any items that need to be declared. Please visit [cbp.gov](http://cbp.gov) [17] for detailed information on what you are allowed to bring and what items you need to declare.

List of documents for new students to travel with:

- Valid passport (must be valid for at least six months past the date of intended arrival in the U.S.)
- Valid I-20 (Initial or Transfer-Pending)
- Valid F-1 or J-1 visa (Canadians are exempt)
- ASU Admissions Letter
- Financial Guarantee documents
- SEVIS I-901 Fee Payment Receipt
- ASU's 3 letters of support

In addition to asking for these documents, the Customs and Border Protection Officer may ask the following questions to determine several pieces of information:

- The purpose of your visit to the United States
- How long you plan to visit
- Where you will be staying
- If you have the means to support yourself financially in the United States

- If the documents you are presenting are compatible with the purpose and intent of your visit

### Airport transportation and connecting flights

Once you have cleared the customs checkpoint, you will exit into the international arrivals area of the airport. If you need to catch a connecting flight (to get to PHX), you will need to take your bags with you to the proper terminal or check-in counter for your domestic flight. At many airports, you will need to take a free inter-terminal shuttle to get to the proper location. We highly recommend visiting the website of your international destination airport to become familiar with what you will need to do.

Additionally, each U.S. airline has separate policies regarding charges for checked luggage and weight requirements. We strongly recommend researching your airline's domestic flight baggage policies so that you know if you will incur charges at check-in for your domestic flight. Finally, the U.S. Transportation Security Administration (TSA) has detailed information about what you can carry on and things to consider when traveling within the U.S.

### Post-arrival checklist

#### Step 01: Obtain I-94 form

An I-94 is a form denoting the arrival or departure record of particular foreigners (including students on an F-1 or J-1 visa) used by U.S. Customs and Border Protection.

All arrival and departure information will be gathered electronically at a customizable website [18], where visitors can print a paper copy of their I-94 record or verify immigration status or employment authorization, as well as record number and admission information.

Prior to completing your SEVIS check-in, you will need to obtain a copy of your I-94 [19].

Get a copy of your I-94 [19]

#### Step 02: Complete your online SEVIS check-in

SEVIS check-in is a mandatory process per U.S. immigration policies. In order to stay in compliance, all international students are required to report to the International Students and Scholars Center, including:

- students who are entering the U.S. for the first time on an ASU I-20 or DS-2019
- students who have been in the U.S. on an I-20 or DS-2019 from another school and are transferring to ASU
- students who have attended ASU's Intensive English Program through the Global Launch English Program

After you arrive in the U.S., you can use your smartphone or computer to complete the SEVIS check-in by following these three simple steps to report your arrival before the start date listed on your I-20 or DS-2019:

1. Upload copies of your immigration documents by logging in to My ASU and clicking on **Complete New Student Check-in** under your **Priority Tasks**.
2. Update your local address and SEVIS address in My ASU [1].
  - Local address must be a residential address in the U.S. and must contain street number, street name, city, state and postal code.
  - SEVIS address must be a residential address in your home country.
  - PO boxes, company addresses or school addresses are **not** valid addresses.
3. Learn how to maintain your visa status [20].

During International Student Orientation [12], you will be guided through the process of SEVIS registration and receive important information about F-1/J-1 immigration compliance, enrollment and other essential matters to facilitate a smooth transition to the university and to successfully begin your ASU experience.

Please email [issc@asu.edu](mailto:issc@asu.edu) [21] if you have any questions.

**Step 03: Get your ASU ID card**

You have the option to obtain the Sun Card [22] or the Pitchfork Card [23] when you arrive at ASU. The Sun Card is the official ASU student photo ID that allows you to complete in-person transactions and gain access to ASU Libraries and other services. The Pitchfork Card is two cards in one — an ASU student ID card and a MasterCard® check card.

Learn more about the main differences between the Sun Card and the Pitchfork Card.

Learn more [24]

Get your Sun Card [22] or the Pitchfork Card [23] as soon as you arrive at ASU. It is also highly recommended that you obtain an Arizona state ID card. If you want to drive in the U.S., you need to get an Arizona driver license [25] (instead of an Arizona state ID card).

**Step 04: Get a cell phone and set up a bank account**

Review the International Student Guide for advice on getting a cell phone, setting up a bank account and other items to support your transition to the U.S. and ASU.

Review guide [26]

**Step 05: Attend International Student Orientation**

Incoming international students are required to attend orientation. You will learn important information about the university and how to prepare for a successful academic year. For specific information and to register, go to the orientation website [12].

Register now [12]

**Step 06: Get involved at ASU**

Explore ASU's international student organizations [27], and meet other ASU international students when you arrive. ASU has more than 1,000 student clubs and organizations, giving you many opportunities to make connections and pursue activities that you are passionate about.

Get involved [27]

**Useful resources for international students****Visa next steps**

View next steps [28]

**Admitted student checklist**

Review checklist [29]

**My ASU**

Visit My ASU [1]

**Deferred student information**

Undergrad [30]

Grad [31]

**Virtual campus tours**

Take a virtual tour [32]

**Engagement events**

View events [32]

**International Student Orientation**

See schedule [12]

**Digital downloads**

View downloads [33]

**Speak with a current student**

Meet ambassadors [34]

**Graduate student resources**

View resources [35]

**Culture and diversity**

Learn more [36]

## Countdown to ASU

As you prepare to attend Arizona State University, you might have some questions. Use this Countdown to ASU website as your go-to resource for everything you need to know about getting ready for college, and register for some helpful events to get all your questions answered.

Countdown to ASU [37]

### Enrollment dates

Enrolling for spring 2021  
(Classes begin Jan. 11, 2021)

Enrolling for fall 2021  
(Classes begin Aug. 19, 2021)

### Additional resources

Guide to My ASU  
Download [38]

Guide to living on Campus (First-year students only)  
Download [39]

Safety brochure  
Download [29]

**Source URL:** <https://admission.asu.edu/international/admitted>

### Links:

- [1] <https://my.asu.edu/>
- [2] <https://admission.asu.edu/international/student-visa>
- [3] <https://admission.asu.edu/international/admitted#student-visa-checklist>
- [4] <https://weblogin.asu.edu/password/activation>
- [5] <https://getprotected.asu.edu/>
- [6] <mailto:asuinternational@asu.edu>
- [7] <https://eoss.asu.edu/offcampushousing>
- [8] <https://sundevildining.asu.edu/meal-plans>
- [9] <https://housing.asu.edu/>
- [10] <https://admission.asu.edu/first-year/deposit>
- [11] <https://students.asu.edu/tuitionandbilling>
- [12] <https://admission.asu.edu/international/orientation>
- [13] <https://issc.asu.edu/students/traveling>
- [14] [https://www.cdc.gov/coronavirus/2019-ncov/travelers/testing-international-air-travelers.html?CDC\\_AA\\_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Ftravelers%2Ftesting-air-travel.html](https://www.cdc.gov/coronavirus/2019-ncov/travelers/testing-international-air-travelers.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Ftravelers%2Ftesting-air-travel.html)
- [15] <https://www.skyharbor.com/BeforeTraveling/InternationalTravel>
- [16] <https://www.ice.gov/>
- [17] <https://www.cbp.gov/>
- [18] <https://www.cbp.gov/travel/international-visitors/i-94>
- [19] <https://i94.cbp.dhs.gov/>
- [20] <https://issc.asu.edu/status/students/guidelines>
- [21] <mailto:issc@asu.edu>
- [22] <https://cfo.asu.edu/suncard-get>



- [23] <https://cfo.asu.edu/cardservices-pitchfork>
- [24] <https://cfo.asu.edu/cardservices>
- [25] <https://azdot.gov/motor-vehicles/driver-services/driver-license-information>
- [26] <https://eoss.asu.edu/student-engagement/international/student-guide>
- [27] <https://issc.asu.edu/support-services/students-f-j/student-organizations>
- [28] <https://admission.asu.edu/international/student-visa#visa-application>
- [29] <https://admission.asu.edu/international/admitted>
- [30] <https://admission.asu.edu/undergrad/cancel-defer>
- [31] <https://admission.asu.edu/graduate/cancel-defer>
- [32] <https://visit.asu.edu>
- [33] <https://students.asu.edu/futuresundevil/backgrounds>
- [34] <https://admission.asu.edu/international/student-ambassadors>
- [35] <https://admission.asu.edu/graduate/admitted>
- [36] <https://admission.asu.edu/campus-life/diversity>
- [37] <https://yourfuture.asu.edu/international/countdown-to-asu>
- [38] <https://students.asu.edu/guidetomyasu>
- [39] <https://admission.asu.edu/sites/default/files/firstyearadmitpackethousing.pdf>

## Military and veterans at ASU

### Benefits

Are you ready to enroll for your education benefits? Are you looking for the right forms to fill out? Are you a dependent and not sure what to do next?

Check out these steps [1] for getting your benefits started.

For additional assistance, contact ASU's veteran and military admissions specialist.

Contact us [2]

### Pat Tillman Veterans Center

ASU's Pat Tillman Veterans Center is one of the reasons ASU is a top university for veteran, military and dependent students. The center's mission is to empower and engage our ASU military and veteran community with their academic and personal success here at ASU and beyond.

Pat Tillman Veterans Center [3]

### Campuses and ASU Online

ASU options let you choose the best learning environment for you, from a location known for outdoor adventures and one-on-one attention (ASU@Lake Havasu) to highly ranked ASU Online with the same degrees and professors as our on-campus programs to a large traditional campus (Tempe campus) — and everything in between (Downtown Phoenix, Polytechnic and West campuses).

Find your campus fit [4].

### Are you looking for a veteran application to ASU?

We make it easy — there's no separate application for veteran and military applicants. Just submit the application for your student level.

Undergraduate freshman [5] Transfer [6] Graduate [7]

Connect with a veteran and military admissions specialist [8] in the Pat Tillman Veterans Center if you have any questions about applying to ASU.

## Why so many veteran and military students choose ASU

ASU and the Pat Tillman Veterans Center [3] welcome you to your next adventure — accomplishing your education and career goals. Student veterans and active duty service members are a valuable part of the ASU community and our academic environment. Whether you're planning to earn your degree online or on campus, you can:

- continue serving as a leader by getting involved
- take advantage of job and career opportunities
- attend virtual or in-person career fairs
- earn your service honor stole to wear at graduation

You've already proven you can succeed in one world-class organization. We believe in you and know you can succeed here as well. ASU's Pat Tillman Veterans Center team is here to help you every step of the way. It's why ASU is consistently included among the best schools for veterans and military students.

## LIA 294: Student Success for Veterans

Have you registered for ASU's veteran-specific introductory course? Designed for the student veteran, LIA 294: Student Success for Veterans provides you with support systems, academic resources and transitional aid. Meet other student veterans and learn about how ASU, the state of Arizona, and the VA can assist you throughout your college experience. There are only 19 seats per class on each campus, so secure your spot today.

[Read more \[9\]](#)

## Transcripts

### Undergraduate applicants:

Admission Services  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

### Graduate applicants:

Graduate Admission Services  
Arizona State University  
PO Box 871004  
Tempe, AZ 85287-1004

### Military transcripts

ASU accepts the following military transcripts:

- CCAF Transcript [10] (Community College of the Air Force Transcript)
- JST [11] (Joint Services Transcript)

The CCAF is a regionally accredited community college. If you received credit for courses taken through the CCAF while serving in the Air Force, submit this transcript as part of your undergraduate application. The JST will be reviewed for possible transfer credit but is not evaluated for admission. Submit your JST as early as possible for timely evaluation, but it will not delay your admission decision.

[More about transferring military credits \[12\]](#)

## Frequently asked questions about being a veteran at ASU

### What's it like to be a veteran or military student at ASU?

There are more than 7,200 veterans and military students on campus and online. You'll receive support from the Pat Tillman Veterans Center, the VA VetSuccess on Campus counselor, and ASU's faculty and staff to succeed in your goals — from applying to ASU, getting your benefits set up, making sure you are using your benefits to your best advantage, and getting connected to events and opportunities for veterans and military students.

### Is ASU a military friendly school?

ASU is consistently recognized as one of the best schools in the country, both on campus and online, for veterans and the military community. We want veteran and military students and their families to succeed, achieve their goals and move on to the next chapter in their lives, and we're here to help you get there. Learn more [13].

### What are the steps to getting admitted as a student veteran?

We understand the admission process can be complicated, so we've created a checklist to help guide you through it. Start your application [5] and refer to this checklist [14] throughout the admission process for helpful tips about applying and succeeding as an active veteran or military student at ASU.

### Are there any degree programs just for veterans or military students?

ASU does not yet offer exclusive degree programs for veteran or military students. However, we encourage you to take advantage of two courses specifically designed to connect you with other veteran and military students on campus and online, and introduce you to various resources available through the university, the state of Arizona and the Department of Veteran Affairs. Learn more [9] about these programs.

View more FAQs [15]

**Source URL:** <https://admission.asu.edu/veterans>

#### Links:

[1] <https://veterans.asu.edu/benefits/start>

[2] <https://admission.asu.edu/contact/veterans>

[3] <https://veterans.asu.edu/>

[4] <https://yourfuture.asu.edu/content/find-asu-fits-you>

[5] <https://admission.asu.edu/apply>

[6] <https://admission.asu.edu/transfer/apply>

[7] <https://webapp4.asu.edu/dgsadmissions/>

[8] <https://veterans.asu.edu/student-services/military-advocate#advocate>

[9] <https://veterans.asu.edu/student-services/veteran-student-success-class>

[10] <http://www.airuniversity.af.mil/Barnes/CCAF/>

[11] <https://jst.doded.mil/smart/signIn.do>

[12] <https://admission.asu.edu/transfer/transferring-credits>

[13] <https://asunow.asu.edu/20180411-asu-news-military-friendly-school-ranking-victory-media>

[14] <https://veterans.asu.edu/veteran-checklist>

[15] <https://admission.asu.edu/contact/faqs#veterans>

## Veteran benefits

### Getting benefits started

If you are active military, a veteran or a dependent and have not used VA education benefits before at any institution of higher education, this is where you start. The Pat Tillman Veterans Center wants to help you in any way you may need.

Check out our new guides to applying for GI Bill education benefits: videos made specially for veteran [1], spouse and dependent [2], and active duty [3] students. Each of them walk you through the process of getting your education funded.

**If you're not sure which benefit you're eligible for or have any other questions about VA benefits, eligibility or processing timelines, feel free to contact Troy Rundle, ASU's VA VetSuccess on Campus counselor, at [troy.rundle@asu.edu](mailto:troy.rundle@asu.edu) [4] or 480-727-5627 (office) or 602-318-0406 (cell).**

**First, apply for benefits in three easy steps**

1. Complete a VA application.

VA benefit type	Use this VA application
Chapter 30, 33, 1606 and 1607	Form 22-1990 [5]
Chapter 35	Form 22-5490 [6]
Chapter 31	Eligibility/Application is determined by the Department of Veteran Affairs, Vocational Rehabilitation Office

2. Locate your additional supporting document.

VA benefit type	Include this supporting document
All types, except Chapter 1606	DD-214 Military Discharge Document — Copy Member 4
Chapter 1606	DD-2384 NOBE — Notice of Basic Eligibility

3. Submit your application and document directly to the VA using one of these methods.

- online at <https://www.va.gov/education/how-to-apply/> [7] (easy to do and fastest processing)
- mail to Department of Veterans Affairs, PO Box 8888, Muskogee, OK 74402-8888
- Troy Rundle, your direct link to the VA from ASU, can submit your application for you. Contact Troy at [troy.rundle@asu.edu](mailto:troy.rundle@asu.edu) [4] or 480-727-5627 (office) or 602-318-0406 (cell) for assistance.

If you apply online, you will receive your Certificate of Eligibility from the VA in four to eight weeks.

**Next, apply to ASU**

You can apply to ASU as a first-year [8], transfer [9] or graduate [10] student **before** receiving your Certificate of Eligibility from or submitting your 1905 form to the VA.

Search undergraduate degrees [11] Search graduate degrees [12]

**If you have questions about applying to ASU or how ASU resources and the Pat Tillman Veterans Center staff can help you succeed, contact us at [ASUVeterans@asu.edu](mailto:ASUVeterans@asu.edu) [13] or 480-965-7723.**

Once you've been admitted to ASU, go to steps for newly admitted students [14] to start your benefits file with the Pat Tillman Veterans Center.

## **New student veteran and dependent checklist**

Thinking of applying to ASU? Are you recently admitted? Here's what you need to know.

Checklist [15]

## **Looking for Tuition Assistance?**

Tuition Assistance is a benefit that current military students pursuing their degree online, and a few who are on campus, can access to help cover tuition and other costs.

Learn more about tuition assistance [16]

## **Pat Tillman Veterans Centers**

### **Downtown Phoenix campus**

University Center Building, Room 130  
602-496-0152  
480-522-3058 Fax  
Hours of operation  
Mon.–Fri.: 8 a.m.–5 p.m.

### **Polytechnic campus**

Administration Building, Suite 110  
480-727-2773  
480-522-3058 Fax  
Hours of operation  
Mon.–Fri.: 8 a.m.–5 p.m.

### **Tempe campus**

Memorial Union, Lower Level, Room 75  
480-965-7723  
480-522-3058 Fax  
Hours of operation  
Mon.–Fri.: 8 a.m.–5 p.m.

### **West campus**

University Center Building, Room 101  
602-543-8220  
480-522-3058 Fax  
Hours of operation  
Mon.–Fri.: 8 a.m.–5 p.m.

### **ASU@Lake Havasu City**

Military Student Support  
480-965-7723  
480-522-3058 Fax

### **ASU Online**

Military Student Support  
militaryonline@asu.edu [17]  
480-884-1537  
480-522-3058 Fax

Senior military advocate [18]    Assistant military advocate [19]    VetSuccess on Campus [20]

**Source URL:** <https://veterans.asu.edu/benefits/start>

### **Links:**

- [1] <https://www.youtube.com/watch?v=b4pNYHE5e34>
- [2] [https://www.youtube.com/watch?v=A\\_DyLKfjJJo](https://www.youtube.com/watch?v=A_DyLKfjJJo)
- [3] <https://www.youtube.com/watch?v=47pZBbyeJpg>
- [4] <mailto:troy.rundle@asu.edu>
- [5] <https://veterans.asu.edu/22-1990>
- [6] <https://veterans.asu.edu/22-5490>
- [7] <https://www.va.gov/education/how-to-apply/>
- [8] <https://students.asu.edu/admission/steps>
- [9] <http://transfer.asu.edu/steps>
- [10] <https://students.asu.edu/graduate/enrollment>

- [11] <https://webapp4.asu.edu/programs/t5/?init=false&nopassive=true>
- [12] <https://webapp4.asu.edu/programs/t5/graduate/false>
- [13] <mailto:ASUVeterans@asu.edu>
- [14] <https://veterans.asu.edu/benefits/admitted>
- [15] <https://veterans.asu.edu/student-veteran-dependents-checklist>
- [16] <https://veterans.asu.edu/node/166513>
- [17] <mailto:militaryonline@asu.edu>
- [18] <https://veterans.asu.edu/student-services/military-advocate#recruitmentsp>
- [19] <https://veterans.asu.edu/student-services/military-advocate#advocate>
- [20] <https://veterans.asu.edu/student-services/military-advocate#vetsuccess>

## Admitted veteran student next steps

### Welcome to Arizona State University!

You've already learned how to succeed in a world-class organization, and you're moving on to another one: ASU. We're glad you're joining us.

Student veterans and members of the military are a valuable part of the ASU community and our academic environment. We encourage you to continue serving as a leader and stay connected through student clubs and organizations, virtual career fairs, research positions, and other internship and career opportunities, whether you're an online or on-campus student.

### Next steps for on-campus veteran students

1. Apply for benefits.

Activating your ASURITE User ID will give you access to My ASU and important online transactions. During activation, be sure to set up your asu.edu email address information.

[Get started \[1\]](#)

2. Receive academic advising and register for classes

You must meet with an academic advisor before you can register for your classes. You can find your advisor's contact information in My ASU under the **Academic Support Team** box.

[My ASU \[2\]](#)

3. Complete ASU's documentation for VA benefits processing.

We can process these forms in approximately one to two business days. Contact [ASUVeterans@asu.edu](mailto:ASUVeterans@asu.edu) [3] with questions.

4. Check your residency status.

Most veterans and military members are eligible for in-state residency for tuition purposes. Check the Residency Navigator.

[Learn more \[4\]](#)

### Next steps for online veteran students

1. Explore Tuition Assistance options.

You can find veteran and military-specific financial aid options, including the Military Active Duty and Reservist Commitment Scholarship.

Contact [militaryonline@asu.edu](mailto:militaryonline@asu.edu) [5] to learn more.

[Find out more \[5\]](#)

2. Connect with your success coach.

Meet with your military affiliated success coach.

Success Coach contact [6]

3. Connect with the Pat Tillman Veterans Center.

The Pat Tillman Veterans Center provides support for student veterans and dependents, and can assist you in learning more about your GI Bill® benefits and advocacy resources.

Meet the veterans center [7]

4. Make an appointment to receive academic advising.

You must meet with an academic advisor before you can register for your classes.

Learn more [8]

## Upcoming live-hosted virtual events

Learn more about the ASU academic and student experience with this event.

### Admitted student events

Incoming students admitted for fall 2021 are invited to attend specially designed live-hosted virtual events presented by current students and the university community to learn more about your major, next steps, financial aid and scholarships, and the ASU experience. These sessions will help ensure you are ready for success in becoming a Sun Devil.

### March 3–April 15

First-year student events [9]

Transfer student events [10]

## Enrollment dates

### Enrolling for spring 2021

Classes begin

Jan. 11, 2021

### Enrolling for fall 2021

Classes begin

Aug. 19, 2021

## Welcome packet

Military and veteran welcome

Download [11]

## Veterans welcome event handout

Download [12]

## Tilman 42 handout

Download [13].

## Visit the following links for more information on the enrollment process.

ASU admission specialists can answer your questions and guide you through each step of the enrollment process between now and the time you get here. Get to know yours. We're here for you.

First-year student [14]

Transfer student [15]

ASU@Lake Havasu student [16]

"GI Bill®" is a registered trademark of the U.S. Department of Veteran Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill) [17].

**Source URL:** <https://admission.asu.edu/veteran/admitted>

#### **Links:**

[1] <https://veterans.asu.edu/benefits/start>

[2] <http://my.asu.edu>

[3] <mailto:ASUVeterans@asu.edu>

[4] <https://students.asu.edu/residency>

[5] <mailto:militaryonline@asu.edu>

[6] <https://goto.asuonline.asu.edu/success/coach.html>

[7] <https://veterans.asu.edu>

[8] <https://asuonline.asu.edu/admission/military>

[9] <https://visit.asu.edu/admitted/first-year>

[10] <https://visit.asu.edu/admitted/transfer>

[11] <https://admission.asu.edu/sites/default/files/ptvcadmitwelcomepacket2020-2021.pdf>

[12] <https://admission.asu.edu/sites/default/files/ptvcadmitwelcomepacket2020-2021insert.pdf>

[13] <https://admission.asu.edu/sites/default/files/veteranadmitpacket42handout.pdf>

[14] <https://admission.asu.edu/first-year>

[15] <https://admission.asu.edu/transfer>

[16] <https://havasus.asu.edu>

[17] <https://www.benefits.va.gov/gibill/>

## **FAQs**

You've got questions, and we've got answers. If your question isn't included below, please let us know. Connect with your advocate using the buttons below or email us at [PTVC@asu.edu](mailto:PTVC@asu.edu) [1].

### **I MAY BE ELIGIBLE TO ATTEND ASU USING VA BENEFITS. WHO DO I CONTACT FOR THIS INFORMATION?**

The Pat Tillman Veterans Center locations on all four campuses has been tasked by ASU to serve veterans who are using Veterans Administration (VA) educational benefits to pursue college degrees.

### **WHAT DO I NEED TO DO TO GET MY EDUCATIONAL BENEFITS STARTED AT ASU?**

The first step would be to apply for admission to the university. Once you are accepted, contact the appropriate ASU program advisor (check My ASU [2] for your advisor information). After you have enrolled in your courses, see Next steps for newly admitted students.

### **HOW DO I START A FILE FOR VETERAN BENEFITS?**

To start a file and initiate benefits for the term, sign a VA Benefits Responsibility Form, complete a Prior Credit Evaluation with your academic advisor, and fill out a VA Enrollment Activity Form. These forms are submitted directly to the Pat Tillman Veterans Center. For the Post-9/11 GI Bill®, please include your latest letter from the VA that details your benefit level and months/days of benefits remaining (Certificate of Eligibility). See Next steps for newly admitted students.



## **DO I NEED TO BRING ANY PAPERWORK WITH ME TO THE OFFICE?**

If you are a veteran and eligible for Ch. 30, Montgomery G.I. Bill, bring your member 4 copy of the DD-214.

If you are eligible for Ch. 33, Post-9/11 GI Bill® benefits, provide a copy of your Certificate of Eligibility to a Pat Tillman Veterans Center.

If you are eligible for Ch. 1606, Montgomery G. I. Bill - Reservists/National Guardsmen, provide a Notice of Basic Eligibility (NOBE), DD-2384 form, which is available from your unit's Educational Officer.

If you are eligible for 1607: Reserve Educational Assistance Program, provide your orders calling you to active duty and your DD214 (member 4 copy) when released from active duty.

## **HOW DO I FIND OUT IF I HAVE ANY BENEFITS LEFT?**

Contact the Department of Veterans Affairs at 1-800-827-1000.

## **CAN I APPLY FOR FINANCIAL AID IN ADDITION TO USING MY VA BENEFITS?**

Yes. According to legislation passed in June 2009, effective July 2009, VA benefits are no longer considered when determining financial aid eligibility.

## **WHAT EXTRA BENEFITS DO I GET FOR APPLYING AS A VETERAN?**

We very much want all veterans to self-identify when applying to ASU, whether using benefits or not. By identifying as a veteran, you will receive veteran specific communications and content during the period from application through enrollment. Then, while completing your degree program at ASU, we will help make sure you are connected with other veteran and military student career, networking, professional development and social opportunities.

Stay Connected!

## **WHAT FEES ARE COVERED UNDER MY GI BILL?**

Any fee that is universally charged by the university is covered by the GI bill. If the fee is one that is optional your benefit will not cover it. To verify if the fee is covered, please email [ptvc@asu.edu](mailto:ptvc@asu.edu) [1].

"GI Bill®" is a registered trademark of the U.S. Department of Veteran Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill) [3]

## **DOES MY GI BILL COVER THE \$300 ENROLLMENT FEE?**

No, since the enrollment fees are not attached to a course of study these fees cannot be covered under your benefits.

## **IS THERE A WAIVER OR REDUCTION IN THE APPLICATION FEE FOR VETERANS?**

The application fee applies to all students and there is not a veteran exception.

## **WHERE SHOULD I SEND MY TRANSCRIPTS?**

Official transcripts should be sent to Admission Services from the issuing institution to the address below.

Admission Services  
Arizona State University  
PO Box 870112  
Tempe, AZ 85287-0112

## **HOW DOES THE JOINT SERVICE TRANSCRIPT (JST) WORK AT ASU?**

ASU awards credit at the undergraduate level in accordance with the American Council on Education recommendations. JST credit cannot be used for completion of General Studies requirements.

JSTs received at ASU will be automatically reviewed for all transferable credit. These credits will be reflected on each student's degree audit report. Academic advisors will evaluate transferable credit for applicability to each student's program of study.

Because of the sequence involved in this process, typically a student must be admitted to a program of study in order to determine how their JST will affect degree completion.

Your JST is available at: <https://jst.doded.mil/smart/dodMandatoryBannerForm/submit.do> [4]

### **WHAT DO I DO WITH MY CCAF (COMMUNITY COLLEGE OF THE AIR FORCE) TRANSCRIPT?**

Go to <http://www.airuniversity.af.mil/Barnes/CCAF/Display/Article/803247/> [5] and have it sent to ASU like a traditional transcript.

### **CAN I START CLASSES ONLINE AND SWITCH TO RESIDENT COURSES AFTER I MOVE THERE?**

You can start at ASU Online but will have to change majors if you want to take resident courses after relocating.

### **I HEARD THAT VETERAN AND MILITARY STUDENTS RECEIVE AN HONOR STOLE WHEN THEY'RE READY TO GRADUATE. IS THAT TRUE?**

Yes! Veteran and military students are awarded an honor stole.

### **IF I GET DEPLOYED DURING THE SEMESTER, WHAT SHOULD I DO?**

As soon as possible let your instructors and advisors know, then contact the military advocate at [militaryadvocate@asu.edu](mailto:militaryadvocate@asu.edu) [6] to ask them what your options are.

"GI Bill®" is a registered trademark of the U.S. Department of Veteran Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill) [7]

**Source URL:** <https://veterans.asu.edu/benefits/faqs>

#### **Links:**

[1] <mailto:PTVC@asu.edu>

[2] <https://my.asu.edu/>

[3] <http://www.benefits.va.gov/gibill/>

[4] <https://jst.doded.mil/smart/dodMandatoryBannerForm/submit.do>

[5] <http://www.airuniversity.af.mil/Barnes/CCAF/Display/Article/803247/>

[6] <mailto:militaryadvocate@asu.edu>

[7] <http://www.benefits.va.gov/gibill/>

[8] <https://www.youtube.com/watch?v=47pZBbyeJpg>

[9] <https://www.youtube.com/watch?v=b4pNYHE5e34>

[10] [https://www.youtube.com/watch?v=A\\_DyLKfjJJo&feature=emb\\_title](https://www.youtube.com/watch?v=A_DyLKfjJJo&feature=emb_title)

# Barrett, The Honors College Admission

## Your future at Barrett

Barrett, The Honors College, is a community of high-achieving scholars within Arizona State University who enjoy the considerable resources of a premier [1] Research I university combined with the close, personal attention provided by the staff, faculty, and deans of the highest ranked honors college in the nation.

Barrett students benefit from being part of a fully developed four-year residential community [2] and enjoy distinctive honors-only internship [3], research [4], and travel [5] opportunities. The unique honors curriculum [6] integrates seamlessly into their ASU degree requirements, while a three-pronged advising system [7] and a dedicated core of honors faculty [8] are in place to ensure a deeply supportive environment.

After graduation [9], Barrett students attend the best graduate schools, have tremendous success in national fellowship competitions, and accept positions with prominent non-profit and Fortune 500 companies.

Welcome to Barrett, the Honors College video on YouTube [10]

## How and when to apply:

First-Year Students [11] Current ASU [12] Transfer [13]  
National Scholar [14] International [15]

Request Information [16]

Visit Barrett [17]

Costs and Financial Assistance [18]

Explore Honors Housing [19]

Frequently Asked Questions [20]

**Source URL:** <https://barretthonors.asu.edu/admissions>

## Links:

[1] <https://www.asu.edu/rankings>

[2] <https://barretthonors.asu.edu/student-life/housing/residential-college-experience>

[3] <https://barretthonors.asu.edu/student-life/development/internships>

[4] <https://barretthonors.asu.edu/student-life/development/research>

[5] <https://barretthonors.asu.edu/global/travel-abroad>

[6] <https://barretthonors.asu.edu/academics/advising-and-requirements/lower-upper-division-requirements>

[7] <https://barretthonors.asu.edu/academics/advising-and-requirements>

[8] <https://barretthonors.asu.edu/honors-faculty-at-barrett?dept=306464&id=1>

[9] [https://barretthonors.asu.edu/sites/default/files/graduate\\_outcomes\\_sp19.pdf](https://barretthonors.asu.edu/sites/default/files/graduate_outcomes_sp19.pdf)

[10] <https://youtu.be/2ZOC1vBw3ek>

[11] <https://barretthonors.asu.edu/admissions/freshman>

[12] <https://barretthonors.asu.edu/admissions/current-asu>

[13] <https://barretthonors.asu.edu/admissions/transfer>

[14] <https://barretthonors.asu.edu/admissions/national-scholar>

[15] <https://barretthonors.asu.edu/admissions/international>

[16] <https://barretthonors.asu.edu/about/contact-us>

[17] <https://barretthonors.asu.edu/visit-and-digital-resources>

[18] <https://barretthonors.asu.edu/admissions/costs-and-financial-assistance>

[19] <https://barretthonors.asu.edu/student-life/housing/residential-college-experience>

[20] <https://barretthonors.asu.edu/admissions/frequently-asked-questions>

## Nondegree admission

### Nondegree student admission

Some individuals may be interested in studying in a nondegree status, either through pre-college summer programs or for their own personal learning experience. A nondegree student is one who has not attended ASU as a degree-seeking student, has not earned a bachelor's degree, is not attending full time, and is not, at this time, applying to a degree program.

If you are a **visiting university student** interested in taking summer courses in the 2020-21 academic year, see this information on how to apply and enroll in classes [1].

Once admitted to a degree program, a student is not permitted to register in a nondegree status.

Nondegree students may enroll in eight credit hours each fall or spring semester, seven credit hours for each six-week summer session, and nine credit hours for the eight-week summer session.

Nondegree students may apply up to 15 hours taken in nondegree status to a degree program if they choose to pursue an undergraduate degree in the future.

Nondegree students are not eligible for financial aid.

Nondegree students may not be eligible for academic advising.

### Nondegree admission requirements

To be admitted to ASU as a nondegree student, you must be a high school graduate. If you're currently enrolled in high school or under the age of 18, you may be admitted as a nondegree student by submitting an official high school transcript and a letter of approval from a high school counselor or principal. You must have a 3.00 cumulative GPA in Arizona Board of Regents competency courses to be considered for admission.

Apply now [2]

### Application procedures

**Step 1:** Complete an undergraduate admission application.

Apply now [3]

**Step 2:** Submit the non-refundable application fee.

- AZ residents - \$50
- Nonresidents and online - \$70

**Step 3:** If needed, have your transcripts sent directly to ASU.

ASU will review your application for admission once all materials are on file. To see if your file is complete, sign in to My ASU using your ASURITE UserID provided to you after you submit your application.

### Mailing address (all materials, all campuses)

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe AZ 85287-1004

Undergraduate admission contact information and office locations [4]

## Frequently asked questions about nondegree admission

### Can I apply to ASU as a nondegree-seeking student?

Yes, ASU accepts nondegree-seeking students. To be admitted as a nondegree-seeking student [5] you must meet certain requirements and follow certain guidelines. See if you qualify for nondegree admission.

### Can I get financial aid as a nondegree-seeking student?

Nondegree-seeking students are not eligible for financial aid.

### Will I need transcripts to apply as a nondegree-seeking student?

If you are currently enrolled in high school and under 18 years old, you are required to submit official high school transcripts and a letter of approval from a high school counselor or principal. If you are a high school graduate, you may be admitted as a nondegree-seeking student without submitting transcripts.

View more FAQs [6]

**Source URL:** <https://admission.asu.edu/undergrad/nondegree>

#### Links:

- [1] <https://admission.asu.edu/visiting>
- [2] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)
- [3] <https://admission.asu.edu/apply>
- [4] <https://admission.asu.edu/contact>
- [5] <https://students.asu.edu/admission/nondegree>
- [7] <https://admission.asu.edu/contact/faqs>

## Undergraduate readmission

### Quick re-entry

If you are an undergraduate degree-seeking student who previously attended ASU but who has not been enrolled at ASU for up to seven consecutive fall or spring semesters, you may be eligible to return through Quick Re-entry. You do not need to submit a new application or application fee. You may sign in to My ASU and register for classes. You may have a hold or Priority Tasks that you need to complete before you are able to register for classes. International students are still responsible for all SEVIS requirements and should check with the International Students and Scholars Office at ASU.

If your absence is due to military deployment, service on an official church missions or with a foreign aid service of the Federal government, or a permanent disability, you should submit a Leave of Absence [1].

**Note:** You must submit official transcript(s) from all institutions you attended during your absence from ASU. Official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institutions. Please check our contact page for the mailing address [2]. ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax.

### Readmission requirements

If you are not eligible for Quick Re-entry (because you have not been enrolled at ASU for eight or more semesters, have completed your academic program or were academically disqualified), you must apply for readmission and submit applicable fees. An applicant for readmission must have an ASU GPA of 2.00 or higher, depending on the ASU school or college. Students who do not meet this GPA requirement may appeal. In these cases, the completed application for readmission may be subject to a due date that is earlier than the application deadline.

**Note:** You must submit official transcripts from all institutions you attended during your absence from ASU. Official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institutions. ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. Please go to our contact page for the mailing address [2].

## Priority readmission application deadlines

### Fall semester

The priority readmission application deadline for fall semester is June 1. Readmission applications received after June 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

### Spring semester

The priority readmission application deadline for spring semester is Dec. 1. Readmission applications received after Dec. 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

### Summer sessions

The priority readmission application deadline is May 1.

### What needs to be submitted by the deadline?

You must submit the application for undergraduate admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.

### I was previously admitted to ASU but did not attend. Am I a readmission student?

If you have previously been admitted to ASU but did not attend, you will be considered a freshman student or a transfer student.

## Steps to apply for readmission

### Step 01: Complete the undergraduate admission application

ASU prefers that you apply online.

Apply now [3]

### Step 02: Submit the nonrefundable application fee

**Arizona residents:** \$50

**Nonresidents:** \$70

**International:** \$85

If you're applying to an ASU Online degree program, a nonrefundable application fee of \$70 will be charged regardless of residency classification.

### Step 03: Request that an official transcript be sent directly from your school(s) to Admission Services

Upon completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status. If you do not meet readmission requirements for your selected major, you must submit complete transcripts before an admission decision is made. You need only submit transcripts from institutions other than ASU.

**Note:** Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes.

Find out more about transferring credits to ASU [4].

#### **Step 04: All applicants on F-1 or J-1 visas must provide a financial guarantee to show evidence of sufficient funds available for their studies before the application can be processed**

In addition, U.S. Citizenship and Immigration Services (USCIS) requires ASU to obtain additional information prior to processing your visa application. Go to My ASU [5] and then update address information showing your local and SEVIS addresses (list your current U.S. address as Local Address; add your home country address as SEVIS Address). Please note that if you are readmitted, you must still meet all deadlines associated with the issuance of an I-20 to attend ASU. These deadlines are dependent upon your current location. Contact International Admission Services at [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [6] or 480-965-2437.

**Note:** Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes.

#### **Admission before receipt of final transcript**

Applicants enrolled in other colleges and universities may be considered for readmission on the basis of meeting all readmission requirements, except for a final transcript of work in progress. This final transcript must be sent to Admission Services directly from the issuing institution immediately after the work in progress has been completed. Transcripts carried by hand are not accepted.

Admission is official only after the final transcript has been received showing that the applicant has met the university readmission requirements. In the event the applicant does not qualify or has falsified application documents, readmission and registration are canceled, and any registration fees paid are returned according to university refund policies.

#### **Veterans exception**

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception applies only to veterans who fulfill these three criteria:

- are honorably discharged
- have served in the armed forces of the United States for a minimum of two years
- have previously enrolled at a university or community college in Arizona

Military service records must be submitted, including form DD 214.

#### **Academic renewal**

Academic renewal is a university policy administered to recalculate the cumulative ASU GPA of an undergraduate student who fulfill these three criteria.

- is pursuing their first undergraduate degree and has not previously received an academic renewal
- has a cumulative ASU GPA below 2.00 (individual colleges may elect to consider applications for students whose GPA is a 2.00 or higher)
- is readmitted to a degree program after an absence of at least five continuous calendar years (including summer sessions)

Courses (including transfer credits) completed before the five-year absence with a grade of “C” (2.00) or higher are treated in the same manner as if all the credits were transfer credits, up to a maximum of 60 credit hours.

The cumulative GPA is based only on credits earned subsequent to the student's re-entry. Graduation requirements for resident credit hours and GPA must be fulfilled after the academic renewal. Graduation requirements for academic recognition (resident credit hours and GPA) must also be fulfilled after the academic renewal.

Courses completed before and after the academic renewal remain on the transcript and may be considered when students apply for undergraduate professional or graduate programs.

A request for academic renewal follows this procedure:

1. Students interested in academic renewal must fill out the Application for Academic Renewal and submit the form to the Dean's Office in the college of their major.
2. The Application for Academic Renewal may be submitted immediately upon readmission but must be submitted no later than the start of the third semester after readmission.
3. The Dean's Office specifies in advance a minimum of 12 semester hours required for completion.
4. When the approved credits are completed with a cumulative GPA of 2.50 or higher, and no grade lower than "C" (2.00) in each course, the Dean's Office will forward the Application for Academic Renewal to the University Registrar's Office for processing.

Only readmission students working toward their first undergraduate degree are eligible to apply for academic renewal, which may be implemented only once during a student's academic career.

Academic renewal is transferable among colleges.

All students with a cumulative ASU GPA below 2.00 and who have been absent from ASU for five consecutive calendar years or more are eligible to petition for academic renewal. Individual colleges may elect to entertain petitions for academic renewal from students with ASU GPAs above 2.00. College standards committees have final authorization on academic renewal petitions.

## Undergraduate readmission contact information and office locations

Phone: 480-965-7788

Fax: 480-965-3610

Location: Student Services Building [7], room 112, Tempe campus.

## Frequently asked questions about readmission

### Am I eligible for quick re-entry?

If you're an undergraduate degree-seeking student who has attended ASU before but have not been enrolled for up to seven consecutive fall or spring semesters, you are eligible for quick re-entry. If you haven't been enrolled at ASU for eight or more semesters, you are not eligible for quick re-entry and must apply for readmission.

### How do I know if I have to reapply for admission?

If you have not been enrolled at ASU for eight or more semesters, you have to apply for readmission and submit all applicable fees. If you have not been enrolled at ASU for one or two fall or spring semesters, you are eligible to return through quick re-entry.

### Are readmission requirements different than when I was first admitted?

They may be, depending on when you were first admitted. ASU admission requirements change from time to time, so the admission standards you met previously may be different than they are currently.

View more FAQs [8]

**Source URL:** <https://admission.asu.edu/undergrad/readmission>

### Links:

[1] <https://students.asu.edu/leave-absence>

[2] <https://admission.asu.edu/contact>

[3] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)



[4] <https://admission.asu.edu/transfer/transferring-credits>

[5] <https://my.asu.edu/>

[6] <mailto:asuinternational@asu.edu>

[7] <https://maps.asu.edu/?id=120&mrklid=63156>

[8] <https://admission.asu.edu/contact/faqs>

## Visiting university students

### Make progress on your degree as a visiting university student

We know there's a lot of uncertainty about the future right now. During this challenging time, ASU is proud to provide students enrolled in other colleges and universities with opportunities to stay on track academically and advance toward your goals. **Welcome, visiting university students!**

As a national leader in online and remote learning, **ASU's robust catalog of classes is available wherever you are.** ASU has the class you need to get back on track or get ahead on progress toward your degree.

\* The links below help you search and sort classes by academic discipline. **The vast majority of in-person fall classes will be offered through live, remote technology-enhanced classes via ASU Sync, which will allow you to take classes wherever you are located.** Please visit the ASU Sync website to learn more. Visiting University Students can also enroll in iCourses and ASU Online classes, both fully online course modalities. iCourses can be found by filtering by "Location". ASU Online courses can be searched by clicking "ASU Online Classes" in the search form.

#### Humanities courses

Literature, history, film studies, Shakespeare and more offered online (self-paced) or through live, digital classes.

Search courses [1]

#### Science courses

Geography, marine biology, software engineering and more offered online (self-paced) or through live, digital classes.

Search courses [2]

#### Art & Design courses

Architecture, art history, animation, dance and more offered online (self-paced) or through live, digital classes.

Search courses [3]

#### Social Science courses

Criminal justice, forensic anthropology, counseling and more offered online (self-paced) or through live, digital classes.

Search courses [4]

#### Health courses

Biostatistics, health care management, psychopharmacology and more offered online (self-paced) or through live, digital classes.

Search courses [5]

#### Business courses

Accounting, data analytics, information systems and more offered online (self-paced) or through live, digital classes.

Search courses [6]

#### Engineering courses

Aviation, civil engineering, computer science, digital design and more offered online (self-paced) or through live, digital classes.

Search courses [7]

#### Search for courses

Browse the Class Search tool for classes available for Visiting University students, including courses offered in-person and via ASU Sync, as well fully online iCourses and classes offered through ASU Online.

Search courses [8]

**Step 01: Find a course [9] you want to take.**

Search the entire catalog of ASU fall semester classes – find those available to help Visiting University Students catch up, stay on track or accelerate your degree.

**Step 02: Submit your application [10]**

Our Visiting University Student application is streamlined, taking only 10—15 minutes to complete. Decisions are made within 24—48 hours.

**Step 03: Get an ASU email and activate your account [11].**

Check your email for ASURITE credentials to activate your My ASU portal.

**Step 04: Register [12] for classes and pay your bill [13]**

Though financial aid is not available for Visiting University Students, affordable tuition rates have been set to support any students interested in advancing their degree through ASU credits.

**We recommend checking the course number and name with your advisor before you register to make sure it transfers back to your home institution.**

Tuition for Visiting University Students is set at our **ASU Online tuition rates [14]** regardless of course modality.

**Step 05: Take the class.**

Classes will be offered fully online via ASU Online or iCourses, as well as through live, remote instruction via ASU Sync for all on-campus classes. Your My ASU class schedule will list these classes as "In-Person / ASU Sync" or "ASU Sync Only".

**Step 06: Order your ASU transcript [15].**

Use this official document to submit to your home institution and apply toward your degree.

## Frequently asked questions

**Are all classes taught online?**

All classes are offered remotely. Pardon the ASU jargon and technicalities, but some are offered as our traditional ASU Online courses, some are iCourses and some are taught remotely through ASU Sync.

**What is an ASU Online class?**

ASU Online courses are part of our industry-leading online education platform and most are delivered asynchronously, meaning they do not have specific dates and times that the class meets. These classes are listed in ASU's course search as "ASU Online Classes".

**What is an iCourse?**

iCourses are online classes and may be offered asynchronously or they may be taught in live, digital sessions, or other synchronous methods. If an iCourse has a day and time listed, you will meet remotely during that time. If there is no specific time listed, this means that the class is asynchronous, meaning they do not have specific dates and times that the class meets. These classes are listed in ASU's course search as "In-Person & iCourses".

**What is ASU Sync?**

ASU Sync allows any student to attend a live-taught, on-campus class via Zoom during its regularly scheduled day and time. These classes include a live lecture or class presentation by a faculty member alongside other virtual learners in Zoom and students in the classroom. The vast majority of in-person classes will offer ASU Sync.

**How much does a class cost?**

ASU is committed to providing our high quality instruction at an affordable tuition rate. Tuition for Visiting University Students is set at our ASU Online tuition rates [14] regardless of course modality.

### **When do classes start?**

Some ASU classes begin six times a year. ASU regularly offers classes in the fall, spring and summer terms. Follow this link to review the start dates for upcoming terms: <https://students.asu.edu/academic-calendar> [16]

### **Is there a credit limit that Visiting University Students can take?**

Yes. Visiting University Students can take a maximum of 24 credit hours over the course of the 2020-2021 academic year.

### **Can students who already have a bachelor's degree take undergraduate or graduate-level classes as a Visiting University Student?**

While we do not have a visiting university student application for those with a bachelor degree already completed, students who already have a bachelor's and are looking to enroll in courses at the undergraduate or graduate level are welcome to apply as a Graduate Non-Degree applicant.

### **Do I have to pay a fee to apply?**

No. ASU has waived the application fee for Visiting University Students. You pay only the cost of tuition.

**Source URL:** <https://admission.asu.edu/visiting>

### **Links:**

- [1] <https://webapp4.asu.edu/catalog/classlist?g=HU&hon=F&promod=F&e=open&page=1>
- [2] <https://webapp4.asu.edu/catalog/classlist?&k=science&l=undergrad&hon=F&promod=F&e=open&page=1>
- [3] <https://webapp4.asu.edu/catalog/classlist?&college=HI&hon=F&promod=F&e=open&page=1>
- [4] <https://webapp4.asu.edu/catalog/classlist?&g=SB&hon=F&promod=F&e=open&page=1>
- [5] <https://webapp4.asu.edu/catalog/classlist?&k=health&hon=F&promod=F&e=open&page=1>
- [6] <https://webapp4.asu.edu/catalog/classlist?&college=BA&hon=F&promod=F&e=open&page=1>
- [7] <https://webapp4.asu.edu/catalog/classlist?&college=ES&l=undergrad&hon=F&promod=F&e=open&page=1>
- [8] <https://webapp4.asu.edu/catalog>
- [9] <https://webapp4.asu.edu/catalog?t=2207>
- [10] [https://webapp4.asu.edu/uga\\_admissionsapp/?visiting2020](https://webapp4.asu.edu/uga_admissionsapp/?visiting2020)
- [11] <https://weblogin.asu.edu/password/activation>
- [12] <https://students.asu.edu/drop-add>
- [13] <https://students.asu.edu/tuitionandbilling>
- [14] <https://asuonline.asu.edu/what-it-costs/>
- [15] <https://students.asu.edu/transcripts>
- [16] <https://students.asu.edu/academic-calendar>

## Western Undergraduate Exchange (WUE)

### Reduced tuition at ASU — it's the neighborly thing to do

The Western Undergraduate Exchange (WUE) is a program coordinated by the Western Interstate Commission for Higher Education. Residents of western states (other than Arizona) may enroll in the ASU WUE program at a tuition rate of 150 percent of Arizona base resident tuition plus all applicable fees for fall and spring terms only. WUE programs are limited to select majors at ASU's Downtown Phoenix, Polytechnic and West campuses.

Explore WUE majors [1]

Nonresident tuition

\$28,800

**Nonresident WUE tuition**

\$16,064

### WUE enrollment and eligibility information

#### General eligibility requirements

- Students must be a permanent resident of **Alaska, California, Colorado, Guam, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming or the Commonwealth of the Northern Mariana Islands.**
- Students must apply to one of the ASU WUE-eligible majors or programs [1].
- To maintain WUE eligibility, you must follow certain requirements including remaining enrolled in your WUE-eligible major and campus. See all the requirements for maintaining WUE eligibility [2].
- Any currently enrolled ASU student who does not meet initial eligibility requirements as a first-year student or a transfer student, can be re-evaluated after completing 12 credit hours at ASU with a minimum 2.50 ASU cumulative GPA. Students can email [WUE@asu.edu](mailto:WUE@asu.edu) [3] to be reviewed once final grades have been posted.

#### First-year student requirements

- First-year students must have a high school GPA of 3.00 or higher in competency courses [4] (this is known as the ABOR GPA), or have an SAT of 1180 or ACT of 24 (not including the writing portion of these exams) or higher.
- First-year students are expected to live in an ASU residence hall during their first year. Please see [asu.edu/housing](http://asu.edu/housing) [5] for more information.
- WUE first-year students may be eligible for an ASU nonresident merit-based WUE scholarship [6]. ASU will notify qualified admitted first-year students in writing of this award.

#### Transfer student requirements

- Transfer students must have an overall GPA of 2.50 or higher on a 4.00 scale in all transferable coursework.
- Transfer students must have less than 120 transferable semester credits.
- Community college transfer students must have a minimum of an associate degree or 60 transferable semester credits (90 quarter credits are needed for students transferring from a community college on the quarter system).
- BAS degree programs are only open to students who have an AAS or equivalent degree
- All final transcripts must be filed two weeks prior to the start of your first semester at ASU in order to be evaluated for WUE.
- No individual review is conducted for transfer students.

#### Individual review

Students who don't meet the above standards will be considered for the WUE program through individual review. Through this process, Admission Services will review all available information about a student's application, carefully considering

all aspects of a student's academic background and accomplishments. Submission of an ACT or SAT score is highly recommended. In some cases, additional information might be requested.

## Application procedures

No separate application is required. All applicants meeting eligibility requirements will automatically receive the WUE rate.

### Applicants must:

- Submit an application for admission [7] including all required supporting documents to Admission Services by the preferential application date (First-year student [8], Transfer [9]). After the published dates, some ASU colleges and schools may limit admission to their program. ASU encourages you to submit your application and all supporting materials well before these dates.
- Indicate an intended major or program that is one of the ASU WUE-eligible programs [1] on the application.
- Meet all other applicable ASU admission requirements.

ASU will notify you in writing if you are eligible for and placed into WUE. This process occurs after your admission to ASU.

## Financial aid

Once placed into WUE, the student's financial aid budget will be adjusted to reflect the cost of attendance calculated with the WUE tuition rate. WUE students are not eligible for ASU nonresident merit-based scholarships or grants. (The only exception is the WUE merit scholarship for first-year students.)

## More information about WUE

If you have questions about WUE, please contact your ASU admission representative or visit the Western Undergraduate Exchange website [10].

Contact my rep [11]

Current students with questions on maintaining eligibility, should contact the University Registrar Services at [WUE@asu.edu](mailto:WUE@asu.edu) [3].

## Frequently asked questions about WUE

### What is WUE?

WUE, or the Western Undergraduate Exchange program, is a program in which residents of western states (other than Arizona) can enroll in specific ASU degree programs at a rate of 150 percent of resident base tuition. There are more than 100 ASU WUE degrees you can choose from on ASU's Downtown Phoenix, Polytechnic and West campuses.

### What states are considered WUE eligible?

Students from the following states are eligible to participate in the Western Undergraduate Exchange program at ASU: Alaska, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington and Wyoming.

### Once I'm considered eligible for WUE, do I stay eligible?

To stay eligible for WUE, you must follow certain guidelines including remaining a resident of your home state, remaining in your WUE-eligible major or switching to another WUE-eligible major, maintaining a cumulative GPA of at least 2.50, maintaining continuous enrollment in the fall and spring semesters, earning at least 24 credits per year, and completing your program within eight semesters. See all the requirements for maintaining WUE eligibility [12].

View more FAQs [13]

**Source URL:** <https://admission.asu.edu/wue>

**Links:**

- [1] <https://webapp4.asu.edu/programs/t5/programs/Keyword/wue/undergrad/false>
- [2] <https://admission.asu.edu/wue/wue-maintaining-eligibility>
- [3] <mailto:WUE@asu.edu>
- [4] <https://admission.asu.edu/first-year/competency-requirements>
- [5] <https://housing.asu.edu/>
- [6] <https://scholarships.asu.edu/scholarship/1733>
- [7] [https://webapp4.asu.edu/uga\\_admissionsapp/](https://webapp4.asu.edu/uga_admissionsapp/)
- [8] <https://admission.asu.edu/first-year/apply>
- [9] <https://admission.asu.edu/transfer/apply>
- [10] <https://www.wiche.edu/wue>
- [11] <https://admission.asu.edu/findmyrep>
- [12] <https://admission.asu.edu/wue/wue-maintaining-eligibility>
- [13] <https://admission.asu.edu/contact/faqs#freshman>

## Maintaining WUE eligibility

### WUE requirements for maintaining eligibility

- Western Undergraduate Exchange status is available for new first-time freshmen for up to eight semesters, for new community college transfer students for up to five semesters and for new transfer students from four year institutions for up to 120 credit hours (including all transfer credits).
- Students must maintain continuous enrollment defined as enrollment in both fall and spring semesters. Students must earn a minimum of 24 credits during this time period. Students not continually enrolled will no longer be eligible for WUE tuition status.
- A cumulative institutional GPA of 2.50 or higher is required.
- The following do not satisfy full-time credit-hour requirements for maintaining eligibility; however, they may be used toward your overall credits for degree completion:
  - Summer sessions and consortium agreement courses, repeating a course, a grade of incomplete or auditing a course.
  - Any credits received by examination, including Advanced Placement, CLEP, IB and other tests
- **Effective spring 2018**, students may take courses in any other WUE program at the Polytechnic, Downtown Phoenix, or West campus, as well as any additional non-WUE courses required for their WUE degree completion, e.g., specific courses on your major map or courses which meet a General Studies or elective requirement. If necessary, class exception requests should be submitted via email directly to [wue@asu.edu](mailto:wue@asu.edu) [1] for consideration.
- Students may take iCourses without requesting a class exception.
- Students may take special courses offered only at Tempe, such as Marching Band, Dance, ROTC, Foreign Language, Internships, Public Service and Community Solutions courses.
- Students in Study Abroad and off-campus internships will maintain their WUE status.
- Concurrent majors: students that are in a WUE major and also in a major that is not WUE at the Tempe campus must take at least 12 hours at the WUE campuses. Any credits over 12 hours may be at Tempe. This policy also applies to minors and certificates.
- Students must maintain enrollment in an ASU declared WUE-eligible major/program. Students who change majors to a non-WUE major/program will be charged out-of-state tuition.
- Students must remain residents of their home state.
- Students cannot apply time accrued while participating in the WUE program to establish Arizona residency.
- Violation of the ABOR Student Code of Conduct [2] may result in loss of a student's WUE eligibility.

**Source URL:** <https://admission.asu.edu/wue/wue-maintaining-eligibility>

**Links:**

- [1] <mailto:wue@asu.edu>

## Contact ASU admission services

### We're here to help

While adhering to current public health guidance from the Centers for Disease Control related to the novel coronavirus (COVID-19), ASU Admission Services remains dedicated to helping you successfully navigate the admission and enrollment processes. We have a dedicated team working remotely to help students and ensure the safety of our ASU community. Please reach out to your personal admission representative by email or phone.

First-year representative [1]

Transfer representative [2]

International representative [3]

Graduate representative [4]

### Admission Services mailing address

**Have your test scores (e.g., ACT, SAT, TOEFL) and official high school or college transcripts sent from the issuing institution to the address below. Any written inquiries should be sent to this address as well.**

Admission Services Applicant Processing  
Arizona State University  
PO Box 871004  
Tempe AZ 85287-1004

#### **If sending by FedEx, DHL or UPS (Recommended method for international students):**

Arizona State University  
Admission Services Applicant Processing  
1150 East University Drive Building C, Room 226  
Tempe, AZ 85281

### Contact ASU Admission Services by email or by phone

#### **Undergraduate admission (first-year students and transfer students)**

##### **Downtown Phoenix campus**

University Center Building, Suite 130 [5]

Monday — Friday 8 a.m. – 5 p.m.

**Phone number:** 480-965-7788

**Fax:** 480-965-3610

**Email:** First-year students [1] | Transfer [2] | International [3]

**Street address:** 411 N. Central Ave. Phoenix, AZ 85004

##### **Polytechnic campus**

Administration Building [6]

Monday — Friday 8 a.m. – 5 p.m.

**Phone number:** 480-965-7788

**Fax:** 480-965-3610

**Email:** First-year students [1] | Transfer [2] | International [3]

**Street address:** 5990 S Sterling Mall Mesa, Arizona 85212

## **ASU@Lake Havasu**

Santiago Hall [7]

Monday — Friday 8 a.m. – 5 p.m.

**Phone number:** 928-854-9745

**Email:** First-year students [1] | Transfer [2] | International [3]

**Street address:** 100 University Way, Lake Havasu City, AZ 86403

## **Tempe campus**

Student Services Building, room 110 [8]

Monday: 8 a.m. – 4 p.m.

Tuesday — Friday: 8 a.m. — 5 p.m.

**Phone number:** 480-965-7788

**Fax:** 480-965-3610

**Email:** First-year students [1] | Transfer [2] | International [3]

**Street address:** 1151 S. Forest Ave. Tempe, AZ 85281

## **West campus**

University Center, Room 120 [9]

Monday — Friday 8 a.m. – 5 p.m.

**Phone number:** 480-965-7788

**Fax:** 480-965-3610

**Email:** First-year students [1] | Transfer [2] | International [3]

**Street address:** 13590 N. 47th Ave. Phoenix, AZ 85306

## **Graduate admission**

### **Graduate Admission Services**

Student Services Building (SSV), Room 140 [10]

Monday 8 a.m. – 4 p.m.

Tuesday — Friday 8 a.m. – 5 p.m.

**Phone number:** 480-965-6113

**Fax:** 480-965-5158

**Email:** [gograd@asu.edu](mailto:gograd@asu.edu) [11]

**Street address:** 1151 S. Forest Ave. Tempe, AZ 85281

## **International Admission**

### **International Admission Services**

**Phone number:** 480-965-2437

**Fax:** 480-727-6453

**Email:** [asuinternational@asu.edu](mailto:asuinternational@asu.edu) [12]

[Apply](#) [13]

[Visit](#) [14]

[Request Info](#) [15]

**Source URL:** <https://admission.asu.edu/contact>

### **Links:**

[1] <https://admission.asu.edu/findmyrep>

[2] <https://admission.asu.edu/contact/transfer>

[3] <https://admission.asu.edu/contact/international>

[4] <https://admission.asu.edu/contact/graduate>

[5] <https://www.asu.edu/map/interactive/?campus=downtown&building=UCENT>



- [6] <https://www.asu.edu/map/interactive/?id=120&mrklid=62667>
- [7] <https://www.asu.edu/map/interactive/?id=120&mrklid=62663>
- [8] <https://www.asu.edu/map/interactive/?campus=tempe&building=SSV>
- [9] <https://www.asu.edu/map/interactive/?campus=west&building=UCB>
- [10] <https://www.asu.edu/map/interactive/?id=120&mrklid=63156>
- [11] <mailto:gograd@asu.edu>
- [12] <mailto:asuinternational@asu.edu>
- [13] <https://admission.asu.edu/apply>
- [14] <https://visit.asu.edu>
- [15] <https://admission.asu.edu/contact/what-type-student-are-you>

## Arizona General Education Curriculum (AGEC)

The Arizona public community colleges and universities have agreed upon a common structure for a general education core. This curriculum provides students attending any Arizona public community college with the opportunity to build a general education program that is transferable to any other state institution without loss of credit. This common agreement is called the Arizona General Education Curriculum or AGEC.

The AGEC is composed of 35 to 37 credit hours of lower-division general education coursework in which a student may prepare for transfer.

The AGEC has three forms: AGEC-A, AGEC-B and AGEC-S. A detailed description of each AGEC is available at <https://aztransfer.com/generaleducation/> [1].

Community colleges are responsible for certifying the date of completion of the AGEC on the official institutional transcripts.

Completion of the appropriate AGEC will fulfill university lower-division general education requirements of the baccalaureate degree with which the AGEC articulates. Students completing the AGEC will still be required to fulfill lower-division program requirements and prerequisites within their college and major and minor areas of study. To complete a degree program most efficiently, students should select courses that concurrently satisfy AGEC and major requirements.

Completion of any AGEC from an Arizona community college guarantees admission to the university provided that a cumulative GPA of 2.50 or higher has been achieved. AGEC completion, however, does not guarantee admission to any specific university program. Many majors (e.g., architecture, engineering, business, the fine and creative arts, or health professions) have significant prerequisites or program requirements that must be completed before a student may be admitted to upper-division coursework. Community college students who are undecided about which of the universities they plan to attend or what program of study they intend to pursue are advised to explore educational options while they complete the AGEC. In all cases, students have the responsibility for selecting general education coursework that is relevant to the requirements of their intended major and degree.

Students who complete both the AGEC and an approved associate degree will be assigned junior class standing by the state universities. Junior class standing is based on the number of credit hours a student has earned and does not necessarily indicate the remaining number of credit hours needed to complete degree requirements. Course prerequisites, major requirements and upper-division requirements continue to be specified by each university. Appropriate sequencing of courses and timely completion of course prerequisites are essential to ensure efficient progress toward a baccalaureate degree. Students who have identified the university they plan to attend or a major area of study are advised to fulfill requirements and prerequisites identified by these programs through ASU's MyPath2ASU™ [2]. The AGEC does not replace articulation agreements developed to enhance the transfer process between specific institutions, nor does the AGEC eliminate the possibility that students who have identified the university they plan to attend and a major area of study will follow transfer guides provided by the state universities.

**Source URL:** <https://catalog.asu.edu/agec>

### Links:

[1] <https://aztransfer.com/generaleducation/>

[2] <https://admission.asu.edu/transfer/pathway-programs>

## Course load and concurrent enrollment

### Course

A minimum full-time course load for an undergraduate student is 12 credit hours.

The maximum course load for which a student may register is 18 credit hours (it is 19 credit hours for students enrolled in the Ira A. Fulton Schools of Engineering), with a maximum of nine credit hours in each A or B session. A student wishing to register for more than the maximum must petition the standards committee of the college in which the student is enrolled and must obtain an approved overload before registration.

### Summer session credit hour load

The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed 14 credit hours for any combination of sessions.

### Graduate credits earned by undergraduate students

ASU undergraduate students who have achieved senior status (cannot be postbaccalaureate) with a cumulative GPA of 3.00 or higher may count up to 12 credit hours of graduate-level coursework toward their graduate degree at ASU (preadmission credit hours). Only graduate courses with a grade of "B" (3.00) or higher may be included on a graduate plan of study. Preadmission graduate courses cannot be used to meet any baccalaureate graduation requirements. Before registering for these courses, students are advised to check with their academic advisor to ensure the correct internal academic unit or college process is followed. Permission to take a preadmission graduate course does not guarantee admission to a graduate degree program or that the course may be used toward graduate degree requirements.

### Use of graduate course credit by undergraduates

Graduate course credit earned by an undergraduate student that is used to fulfill requirements for an undergraduate degree program cannot also be used in a graduate degree program unless the student is enrolled in an approved accelerated program. Students must contact their advisor before enrolling in a graduate course they wish to use toward a future graduate program at ASU.

### Concurrent enrollment

Provided that the other institution's regulations concerning enrollment, graduation requirements and transfer of credits are not violated, a student may enroll in classes at other institutions or in independent learning courses while enrolled at ASU. However, the student is urged to seek advising before concurrent enrollment to assure orderly progress toward a degree. If total credit hours exceed the maximum course load, prior permission must be granted by the college standards committee.

### Enrollment verification guidelines

The registrar is responsible for verifying enrollment, according to general guidelines; students should review the enrollment verification [1] page.

**Source URL:** [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load)

**Links:**

[1] <https://students.asu.edu/enrollment-verification>

## Credit by examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Some exams may be taken prior to admission to ASU. Information is provided below for each type of exam, the courses that are equivalent and other conditions that may apply to credit being awarded.

- A student may earn no more than 60 hours of credit by examination for any or all programs, including ASU comprehensive and proficiency exams.
- Credit will not be awarded for any course in which the student has been given credit from any educational institution.
- Credit will not be granted for a course taken at an educational institution after credit by examination has been awarded.
- Exception: Students who take the advanced placement exams may choose either to have the credit earned by advanced placement kept in their cumulative university hours or to complete the ASU course and have the credit and grade instead, regardless in which order the test or course is taken. Students should see the advanced placement section, below, for additional details on the exam and its equivalent scores.
- Credit may not be received for a lower-level or prerequisite course when credit has already been received in a higher-level course within the same field.
- Only credit earned by comprehensive examination will count toward the resident credit requirement for graduation.
- Credit by exam is awarded based on the date the exam was taken. Students who take the exam during the current catalog year (August 2021–July 2022) will earn credit based on the credit equivalency found in the current catalog. **If the test was taken in a prior academic year, the student should refer to the catalog of that year or search the Transfer Guide [1] for more information.**

### Types of examinations

College-level Examination Program (CLEP) [2] can be taken before or during enrollment at ASU.

Advanced Placement (AP) [3] is taken during secondary school or before enrollment at ASU.

DANTES or DSST (Defense Activity for Nontraditional Education Support Subject Standardized Test) [4] is taken by military or approved government personnel before or during enrollment at ASU.

International Baccalaureate (IB) exam [5] credit is earned by students of an International Baccalaureate®-approved school before enrollment at ASU.

Cambridge International Exam [6] is taken by students who have completed a Cambridge course in their secondary school.

Comprehensive examinations [7] can be taken by current ASU students.

Proficiency examinations [8] can be taken by current ASU students.

For information about placement testing for mathematics and English classes prior to orientation, students should refer to the placement and testing requirements [9] in the ASU Catalog.

## College-Level Examination Program (CLEP)

Students who have taken a College-Level Examination of the College Entrance Examination Board may receive university credit. The table of CLEP credit applies to all students enrolled in the university for the first time in August 1975 and any student enrolling thereafter. CLEP examination credit is not given where it duplicates credit previously earned by the student at the university or accepted by the university for work done elsewhere. All examinations are given monthly by University Testing and Scanning Services [10].

The General Studies requirements in natural science (SQ and SG) and literacy and critical inquiry (L) are not satisfied by CLEP. There is no limit to the number of CLEP credits that can be used to fulfill the other parts of the General Studies requirement. A student who has received ASU credit for a course due to special programs credit may not duplicate the credit by enrolling in the same class for credit at ASU or transferring it to another institution.

### Subject examinations

To obtain credit or placement for all subject exams except English, History, French, German, and Spanish, a student must receive a score of 50 (computer-based testing [CBT] scale) or higher. To obtain credit for College Composition, a student must receive a standard score of 610 (1978 scale), 500 (1986 scale), or 50 (CBT scale). Test scores for French, German, History and Spanish are shown below in the CLEP credit table.

All equivalency is subject to future review and possible catalog change. Students should refer to the Transfer Credit Guide for equivalencies of exams taken outside of the current catalog year. For more information on registering for CLEP testing, students should contact University Testing and Scanning Services [10] at 480-965-7146 or visit the office at 1130 E. University Dr., Suite 204, Tempe, Ariz.

\*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. **Students should see their advisor to determine how these courses may apply to their major.**

Examination	Credit Hours	Equivalency
American Government	3	POS 110
American Literature	3	ENG DEC* (Students must score 55 or higher.)
Analyzing and Interpreting Literature	3	ENG DEC*
Biology	3	BIO DEC*
Calculus	3	MAT 265
	4	MAT 270
Chemistry	4	CHM 113
College Algebra	3	MAT 117

College Composition	3	Placement into ENG 105 and Elective credit (3) Transfer students who have credit for ENG 102 and who completed the exam (with a score of 50 or higher) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam.
College Composition - Modular	0	No credit
College Mathematics	0	No credit
English Literature	3	ENG DEC* (Students must score 55 or higher.)
Financial Accounting	3	Elective credit
French Language	4 8 12 16	FRE 101 (Students must score 50–54.) FRE 101, 102 (Students must score 55–61.) FRE 101, 102, 201 (Students must score 62–65.) FRE 101, 102, 201, 202 (Students must score 66 or higher.)
German Language	4 8 12 16	GER 101 (Students must score 39–45.) GER 101, 102 (Students must score 46–50.) GER 101, 102, 201 (Students must score 51–59.) GER 101, 102, 201, 202 (Students must score 60 or higher.)
History of the United States I — Early Colonization to 1877	3	HST 109 (Students must score 56 or higher.)
History of the United States II — 1865 to the Present	3	HST 110 (Students must score 56 or higher.)
Human Growth and Development	3	CDE 232
Humanities	3	Elective credit
Information Systems and Computer Applications	3	CIS DEC*
Introduction to Educational Psychology	0	No credit
Introductory Business Law	3	LAW 210
Introductory Psychology	3	PGS 101 or PSY 101
Introductory Sociology	3	SOC 101

Natural Sciences	3	Elective credit (Students must score 53-55.)
	6	Elective credit (Students must score 56 or higher.)
Precalculus (replaces College Algebra/Trigonometry)	3	MAT 170
Principles of Macroeconomics	3	ECN 211
Principles of Management	0	No credit
Principles of Marketing	0	No credit
Principles of Microeconomics	3	ECN 212
Social Sciences and History	6	Elective credit (Students must score 56 or higher.)
Spanish Language	4	SPA 101 (Students must score 50-54.)
	8	SPA 101, 102 (Students must score 55-65.)
	12	SPA 101, 102, 201 (Students must score 66-67.)
	16	SPA 101, 102, 201, 202 (Students must score 68 or higher.)
Spanish with Writing	8	SPA 101, 102 (Students must score 50–59.)
	16	SPA 101, 102, 201, 202 (Students must score 60 or higher.)
Western Civilization I — Ancient Near East to 1648	3	HST 102 (Students must score 56 or higher.)
Western Civilization II — 1648 to the Present	3	HST 104 (Students must score 56 or higher.)

## Advanced Placement

Students who have taken an advanced placement course of the College Entrance Examination Board in their secondary school and who have taken an AP examination of the CEEB may receive university credit. No credit is given for any examination with a score of two or one. There is no limit to the number of AP credits that can be used to meet the General Studies requirement, including the requirements in natural sciences (SQ and SG) and literacy and critical inquiry (L).

When the scores are received by the university directly from the CEEB, credit is awarded as shown in the Advanced Placement Credit table below.

Examination	Score	Credit Hours	Equivalency
2-D Art and Design	5 or 4	3	ART 112
3-D Art and Design	5 or 4	3	ART 115
Art History	5 or 4	6	ARS 101, 102
	3	3	ARS 101 or 102
Biology	5 or 4	8	BIO 181, 182
	3	4	BIO 100
Calculus AB	5, 4 or 3	4	MAT 270
Calculus BC	5 or 4	8	MAT 270, 271
	3	4	MAT 270
Capstone Research	5, 4 or 3	3	Elective
Capstone Seminar	5, 4 or 3	3	Elective
Chemistry	5	8	CHM 113, 116
	4	4	CHM 113
Chinese Language and Culture	5	20	CHI 101, 102, 201, 202
	4	15	CHI 101, 102, 201
	3	10	CHI 101, 102
Comparative Government and Politics	5 or 4	3	POS 150
Computer Science A	5 or 4	3	CSE 110 or ACO 101



Computer Science Principles	5, 4 or 3	3	IFT 101
Drawing	5 or 4	3	ART 111
English Language & Composition	5 or 4	3	Placement into ENG 105 and Elective credit (3) Transfer students who have credit for ENG 102 and who completed the exam (with a score of 4 or 5) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam.
English Literature & Composition	5 or 4	3	Placement into ENG 105 and Elective credit (3) Transfer students who have credit for ENG 102 and who completed the exam (with a score of 4 or 5) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam.
Environmental Science	5 or 4	3	SOS 110
European History	5 or 4	6	HST 103 and 104
French Language and Culture	5	14	FRE 201, 202, 311, 312
	4	11	FRE 201, 202, 311
	3	8	FRE 201, 202
German Language and Culture	5	14	GER 201, 202, 311, 312
	4	11	GER 201, 202, 311
	3	8	GER 201, 202
Human Geography	5 or 4	3	GCU 102
Italian Language and Culture	5	16	ITA 101, 102, 201, 202
	4	12	ITA 101, 102, 201
	3	8	ITA 101, 102
Japanese Language and Culture	5	20	JPN 101, 102, 201, 202
	4	15	JPN 101, 102, 201
	3	10	JPN 101, 102
Latin	5	16	LAT 101, 102, 201, 202
	4	12	LAT 101, 102, 201
	3	8	LAT 101, 102
Macroeconomics	5 or 4	3	ECN 211
Microeconomics	5 or 4	3	ECN 212

Music Theory	5 or 4	3	MTC 125
Physics – AP 1 Mechanics	5 or 4	4	PHY 111, 113
Physics – AP 2 Electricity and Magnetism	5 or 4	4	PHY 112, 114
Physics — AP Mechanics C	5, 4 or 3	4	PHY 111, 113
Physics — AP Electricity and Magnetism C	5, 4 or 3	4	PHY 112, 114
Psychology	5 or 4	3	PGS 101 or PSY 101
Spanish — Language and Culture	5	14	SPA 201, 202, 294 and 313
	4	11	SPA 201, 202 and 294
	3	8	SPA 201, 202
Spanish — Literature and Culture	5	12	SPA 201, 202, 313 and 394
	4	11	SPA 201, 202 and 313
	3	8	SPA 201, 202
Statistics	5, 4 or 3	3	STP 226
U.S. Government and Politics	5 or 4	3	POS 110
U.S. History	5 or 4	6	HST 109 and 110
World History: Modern	5 or 4	3	HST 101

## DANTES/DSST

Students who have taken a DSST (DANTES [Defense Activity for Nontraditional Education Support] Subject Standardized Test) may receive university credit. Credit is awarded for score results at or above the American Council on Education's recommended score if the subject examination is applicable to a program of study at ASU, or credit may be assigned as elective. To receive credit, a transcript showing the DSST results must be received by ASU directly from the Educational Testing Service.

\*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. **Students should see their advisor to determine how these courses may apply to their major.**

Students should refer to the Transfer Credit Guide for equivalencies of exams taken outside of the current catalog year. To register for the exam or for more information about exam fees, students should contact University Testing and Scanning Services [11] at 480-965-7146 or visit the office at 1130 E. University Dr., Suite 204, Tempe, Ariz.

<b>DSST Exam</b>	<b>ASU Credit</b>	<b>Score</b>	<b>Credit Hours</b>
A History of the Vietnam War	Elective credit	400	3
Art of the Western World	ARS 101 or 102	400	3
Astronomy	No credit		
Business Ethics and Society	Elective credit	400	3
Business Mathematics	No credit		
Computing and Information Technology	No credit		
Criminal Justice	CRJ 100	400	3
Environmental Science	Elective credit	400	3
Ethics in America	No credit		
Ethics in Technology	Elective credit	400	3
Foundations of Education	TEL DEC*	400	3
Fundamentals of College Algebra	No credit		
Fundamentals of Counseling	Elective credit	400	3
Fundamentals of Cybersecurity	Elective credit	400	3
General Anthropology	No credit		
Health and Human Development (formerly Here's to Your Health)	No credit		
History of the Soviet Union	HST DEC*	400	3
Human Resource Management	No credit		
Introduction to Business	Elective credit	400	3

Introduction to Geography (formerly Human/Cultural Geography)	GCU 102	400	3
Introduction to Geology	GLG 101	400	3
Introduction to Law Enforcement	CRJ DEC*	400	3
Introduction to World Religions	No credit		
Lifespan Developmental Psychology	Elective credit	400	3
Management Information Systems	Elective credit	400	3
Math for Liberal Arts	MAT 142	400	3
Money and Banking	No credit		
Organizational Behavior	Elective credit	400	3
Personal Finance	Elective credit	400	3
Physical Geology	No credit		
Principles of Advanced English Composition	No credit		
Principles of Finance	Elective credit	400	3
Principles of Public Speaking	Elective credit	400	3
Principles of Statistics	STP 226	400	3
Principles of Supervision	Elective credit	400	3
Substance Abuse	No credit		
Technical Writing	ENG DEC*	400	3
The Civil War and Reconstruction	HST DEC*	400	3

## International Baccalaureate (IB) exam

Students who present an International Baccalaureate exam may qualify for university credit, depending on the level of the examination and the grade received. Arizona State University grants credit for higher-level courses and some standard-level courses. A high-level grade of five qualifies the student to receive credit for up to two introductory courses while a grade of four qualifies a student to receive credit for one introductory course. No credit is awarded for English as a second language (English B). Credit is awarded according to the International Baccalaureate diploma/certificate credit table below.

\*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. **Students should see their advisor to determine how these courses may apply to their major.**

Examination**	Score	Credit Hours	Equivalency
Art/Design High-Level	any	0	No credit
Biology Standard-Level	7, 6 or 5	4	BIO 100
	4	3	BIO DEC*
Biology High-Level	7, 6 or 5	8	BIO 181, 182
	4	4	BIO 100
Business and Management Standard-Level	7, 6, 5 or 4	3	Elective
Business and Management High-Level	7, 6 or 5	3	Elective
	4	0	No credit
Chemistry Standard-Level	any	0	No credit
Chemistry High-Level	7, 6 or 5	8	CHM 113, 116
	4	4	CHM 113
Chinese B Standard-Level	any	0	No credit
Chinese B High-Level	7	20	CHI 101, 102, 201 and 202
	6	15	CHI 101, 102 and 201
	5	10	CHI 101 and 102
	4	5	CHI 101
Classical Languages (Latin) Standard-Level	any	0	No credit
Classical Languages (Latin) High-Level	7	16	LAT 101, 102, 201 and 202
	6	12	LAT 101, 102 and 201
	5	8	LAT 101 and 102
	4	4	LAT 101

Computer Science Standard-Level	7, 6, 5 or 4	3	Elective
Computer Science High-Level	7, 6 or 5	3	ACO 101 or CSE 110
Dance Standard-Level	7, 6, 5 or 4	3	DCE 201
Dance High-Level	7, 6, 5 or 4	3	DCE 201
Design Technology Standard-Level	7, 6, 5 or 4	3	Elective
Design Technology High-Level	7, 6, 5 or 4	3	EGR 101
Economics Standard-Level	any	0	No credit
Economics High-Level	7, 6 or 5	6	ECN 211, 212
English Language A: Language and Literature Standard-Level	any	0	No credit
English Language A: Language and Literature High-Level	7, 6 or 5	3	ENG 101 or Elective
English Language A: Literature Standard-Level	any	0	No credit
English Language A: Literature High-Level	7, 6 or 5	3	ENG 101 or Elective
Environmental Systems and Societies Standard-Level	7, 6 or 5	3	SOS 110
Extended Essay	any	0	No credit
Film Standard-Level	7, 6, 5 or 4	3	FMS 100
Film High-Level	7, 6, 5 or 4	3	FMS 110 or 201
French B Standard-Level	any	0	No credit
French B High-Level	7	16	FRE 101, 102, 201 and 202
	6	12	FRE 101, 102 and 201
	5	8	FRE 101 and 102
	4	4	FRE 101
Further Mathematics High-Level	7, 6 or 5	4	MAT DEC*
Geography Standard-Level	7, 6, 5 or 4	3	GCU DEC*
Geography High-Level	7, 6 or 5	3	GCU 102
German B Standard-Level	any	0	No credit
German B High-Level	7	16	GER 101, 102, 201 and 202
	6	12	GER 101, 102 and 201
	5	8	GER 101 and 102
	4	4	GER 101

Global Politics Standard-Level	any	0	No credit
Global Politics High-Level	7, 6, 5 or 4	3	POS 160
History Standard-Level	7, 6 or 5	3	HST DEC*
History of Africa and the Middle East High-Level	7, 6 or 5 4	6 0	Elective No credit
History of the Americas High-Level	7, 6 or 5 4	6 3	HST 109 and 110 HST 109
History of Asia and Oceania High-Level	7, 6 or 5 4	6 3	HST 107 and 240 HST 107
History of Europe High-Level	7, 6 or 5 4	6 3	HST 103 and 104 HST 103
Information Technology in a Global Society Standard-Level	7, 6 or 5 4	3 0	Elective No credit
Information Technology in a Global Society High-Level	7, 6 or 5	3	Elective
Japanese B Standard-Level	any	0	No credit
Japanese B High-Level	7 6 5 4	20 15 10 5	JPN 101, 102, 201 and 202 JPN 101, 102 and 201 JPN 101 and 102 JPN 101
Language ab Initio Standard-Level	any	0	No credit
Literature and Performance Standard-Level	any	0	No credit
Mathematical Studies Standard-Level	any	0	No credit
Mathematics: Applications & Interpretations Standard-Level	7, 6 or 5 4	3 0	MAT DEC* No credit
Mathematics: Applications & Interpretations High-Level	7, 6 or 5 4	3 0	MAT 142 No credit
Mathematics: Analysis & Approaches Standard-Level	7, 6 or 5 4	3 0	MAT DEC* No credit
Mathematics: Analysis & Approaches High-Level	7, 6 or 5 4	4 0	MAT 270 No credit

Modern Languages: Chinese B High-Level	7	20	CHI 101, 102, 201 and 202
	6	15	CHI 101, 102 and 201
	5	10	CHI 101 and 102
	4	5	CHI 101
Modern Languages: French B High-Level	7	16	FRE 101, 102, 201 and 202
	6	12	FRE 101, 102 and 201
	5	8	FRE 101 and 102
	4	4	FRE 101
Modern Languages: German B High-Level	7	16	GER 101, 102, 201 and 202
	6	12	GER 101, 102 and 201
	5	8	GER 101 and 102
	4	4	GER 101
Modern Languages: Japanese B High-Level	7	20	JPN 101, 102, 201 and 202
	6	15	JPN 101, 102 and 201
	5	10	JPN 101 and 102
	4	5	JPN 101
Modern Languages: Spanish B High-Level	7	16	SPA 101, 102, 201 and 202
	6	12	SPA 101, 102 and 201
	5	8	SPA 101 and 102
	4	4	SPA 101
Music High-Level	7, 6 or 5	4	MUS DEC*
	4	0	No credit
Philosophy Standard-Level	7, 6, 5 or 4	0	No credit
Philosophy High-Level	5 or 4	0	No credit
Physics Standard-Level	7 or 6	4	PHY 111, 113
	5 or 4	0	No credit
Physics High-Level	7, 6	8	PHY 111, 112, 113, 114
	5	4	PHY 111, 113
Psychology Standard-Level	7, 6, 5 or 4	3	PSY DEC*
Psychology High-Level	7, 6, 5	3	PGS 101 or PSY 101
Social and Cultural Anthropology Standard-Level	7, 6 or 5	3	ASB DEC*
Social and Cultural Anthropology High-Level	7, 6, 5 or 4	3	ASB 102



Spanish B Standard-Level	any	0	No credit
Spanish B High-Level	7	16	SPA 101, 102, 201 and 202
	6	12	SPA 101, 102 and 201
	5	8	SPA 101 and 102
	4	4	SPA 101
Sports, Exercise and Health Science Standard-Level	7, 6 or 5	3	EXW 100
Sports, Exercise and Health Science High-Level	7, 6, 5 or 4	3	KIN 100 or EXW 100
Theory and Knowledge	7, 6, 5 or 4	0	No credit
Theatre Standard-Level	7, 6, 5 or 4	3	THE 100
Theatre High-Level	7, 6, 5 or 4	3	THE 100
Visual Arts Standard-Level	7, 6 or 5	6	ART 111 and ART DEC*
	4	3	ART 111
Visual Arts High-Level	7, 6 or 5	6	ART 111, 112
	4	3	ART 112
World Religions Standard-Level	7, 6 or 5	3	REL DEC*
	4	0	No credit

\*\* No credit is awarded if the language is the student's native language.

## Cambridge International exam

Students who have completed a Cambridge course in their secondary school and who have taken a Cambridge International AS or A level examination may receive university credit. When the scores are received by the university, credit is awarded as shown in the Cambridge International Exam table below.

\*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. **Students should see their advisor to determine how these courses may apply to their major.**

Examination	Score	ASU Score Translation	Credit Hours	Equivalency
Accounting AS-Level	E or better	1-5	3	Elective credit
Accounting A-Level	E or better	1-5	6	Elective credit

Art and Design AS-Level**	E or better	1-5	3	ART DEC*
Art and Design A-Level**	E or better	1-5	6	ART DEC*
Biology AS-Level	D or better	2-5	4	BIO 100 or BIO DEC*
	E	1	4	BIO 100
Biology A-Level	D or better	2-5	8	BIO 181, 182
	E	1	4	BIO 181
Business Studies AS-Level	E or better	1-5	3	Elective credit
Business Studies A-Level	E or better	1-5	6	Elective credit
Chemistry AS-Level	D or better	2-5	4	CHM 101
Chemistry A-Level	A	5	8	CHM 113 and CHM 116
	B or C	4 or 3	4	CHM 113
	D or E	2 or 1	4	CHM 101
Chinese Language AS-Level	C or better	3-5	5	CHI 101
Chinese A-Level	C or better	3-5	10	CHI 101 and CHI 102
Computer Science AS-Level	E or better	1-5	3	IFT 100
Computer Science A-Level	E or better	1-5	3	CSE 100 or CSE 110 or IFT 100
Design and Technology AS-Level	E or better	1-5	0	No credit
Design and Technology A-Level	E or better	1-5	0	No credit
Design and Textiles AS-Level	E or better	1-5	3	FSH 201
Design and Textiles A-Level	E or better	1-5	6	FSH 201 and FSH DEC*
Digital Media and Design AS-Level	C or better	3-5	3	ART DEC*
Digital Media and Design A-Level	E or better	1-5	3	ART 116
Drama AS-Level	C or better	3-5	3	THE 100
Drama A-Level	C or better	3-5	6	THE 100 and THE DEC*
Economics AS-Level	E or better	1-5	0	No credit
Economics A-Level	D or better	2-5	6	ECN 211 and ECN 212
English Language AS-Level	E or better	1-5	0	No credit
English Language A-Level	E or better	1-5	3	Placement into ENG 105 and elective credits (3)

English Literature AS-Level	E or better	1-5	0	No credit
English Literature A-Level	E or better	1-5	3	ENG DEC*
Environmental Management AS-Level	D or better	2-5	4	BIO 130
Food Studies AS-Level	E or better	1-5	0	No credit
French Language AS-Level	C or better	3-5	4	FRE 101
French Literature AS-Level	E or better	1-5	0	No credit
French A-Level	C or better	3-5	8	FRE 101 and FRE 102
General Paper (Writing) AS-Level	E or better	1-5	3	Placement into ENG 105 and elective credits (3)
German Language AS-Level	C or better	3-5	4	GER 101
German A-Level	C or better	3-5	8	GER 101 and GER 102
	D or E	2 or 1	0	No credit
Geography AS-Level	E or better	1-5	3	GCU DEC*
Geography A-Level	E or better	1-5	6	GCU 102 and GPH DEC*
Global Perspectives and Research AS-Level	E or better	1-5	3	Elective credit
Global Perspectives and Research A-Level	E or better	1-5	6	Elective credit
History AS-Level	E or better	1-5	3	HST DEC*
History A-Level	E or better	1-5	6	HST DEC*
Information Technology AS-Level	E or better	1-5	3	Elective credit
Information Technology A-Level	E or better	1-5	3	Elective credit
Marine Science AS-Level	E or better	1-5	0	No credit
Marine Science A-Level	E or better	1-5	0	No credit
Mathematics AS-Level	E or better	1-5	3	MAT 117
Mathematics A-Level	E or better	1-5	3 to 4	MAT 170 or 171
Mathematics-Further AS-Level	E or better	1-5	4	MAT 270
Mathematics-Further A-Level	E or better	1-5	8	MAT 270 and MAT 271
Media Studies AS-Level	E or better	1-5	0	No credit
Media Studies A-Level	E or better	1-5	3	FMP 201

Music AS-Level	E or better	1-5	3	MUS DEC*
Music A-Level	E or better	1-5	3	MUS DEC*
Physical Science AS-Level	E or better	1-5	3	Elective credit
Physics AS-Level	E or better	1-5	0	No credit
Physics A-Level	E or better	1-5	8	PHY 111, PHY 113, PHY 112 and PHY 114
Portuguese Language AS-Level	C or better	3-5	4	POR 101
Portuguese A-Level	C or better	3-5	8	POR 101 and POR 102
Psychology AS-Level	E or better	1-5	3	PSY 101
Psychology A-Level	E or better	1-5	6	PSY 101 and PSY DEC*
Sociology AS-Level	E or better	1-5	0	No credit
Sociology A-Level	E or better	1-5	0	No credit
Spanish First Language AS-Level	C or better	3-5	4	SPA 101
Spanish Language AS-Level	C or better	3-5	4	SPA 101
Spanish A-Level	C or better	3-5	8	SPA 101 and SPA 102
Thinking Skills AS-Level	E or better	1-5	3	Elective credit
Thinking Skills A-Level	E or better	1-5	6	Elective credit
Travel and Tourism AS-Level	E or better	1-5	3	TDM 205
Travel and Tourism A-Level	E or better	1-5	6	TDM 205 and TDM DEC*

\*\*Credit awarded depends on the content of the course completed; students should see an advisor once admitted.

## Comprehensive examinations

A comprehensive examination is intended to permit a student to establish academic credit in a field in which the student has gained experience or competence equivalent to an established university course. Applications are given only for courses listed in the current catalog and only for courses in which a comprehensive examination can serve as a satisfactory measure of accomplishment.

A number of restrictions apply. To be eligible to apply to take a comprehensive examination to establish undergraduate course equivalence, a student must:

1. have earned not more than 60 credit hours through comprehensive, CLEP, International Baccalaureate and Advanced Placement examinations
2. have earned no credit for a duplicate course

3. have earned no credit for a course for which this course is a prerequisite

The decision on the suitability of course material for a comprehensive examination, the development of a comprehensive examination and the administration of an examination are strictly departmental functions. An application is for one course only. The student should complete an application form with the number, title and number of credit hours for the course. When completed, the application must be approved by the student's advisor and the chairperson of the department responsible for offering the course.

The student must then pay the stated fee for such examinations at cashiering services. The receipt must be taken to the departmental office.

The examination is prepared by the instructor who normally conducts the course, and it is comprehensive in nature and scope. The instructor and other experts designated by the chairperson grade the examination, using letter grades "A+", "A", "A-", "B+", "B", "B-", "C+", "C", "D" or "E". If the grade is "C" or higher, a mark of "Y" is entered on the student's permanent record; otherwise, no entry is made. Credit by examination is indicated as such on the record. The student is notified by mail of the result of the examination. In cases of failure ("D" or "E"), the student is not given an opportunity to repeat the examination.

A student pursuing a second baccalaureate degree may not receive credit by comprehensive examination, but with prior approval of the college the student may use the examination to waive a course requirement if a grade of "C" or higher is earned.

## Proficiency examinations

Proficiency examinations and auditions are given:

1. to waive a course requirement
2. to validate certain transfer credits in professional programs
3. to determine a student's ability in a field where competence is an important consideration

Detailed information may be obtained from the dean's office of the college in which the student is registered.

**Source URL:** [https://catalog.asu.edu/credit\\_exam](https://catalog.asu.edu/credit_exam)

### Links:

- [1] <https://webapp4.asu.edu/transferecreditguide/app/home>
- [2] [https://catalog.asu.edu/credit\\_exam#CLEP](https://catalog.asu.edu/credit_exam#CLEP)
- [3] [https://catalog.asu.edu/credit\\_exam#AP](https://catalog.asu.edu/credit_exam#AP)
- [4] [https://catalog.asu.edu/credit\\_exam#DANTES](https://catalog.asu.edu/credit_exam#DANTES)
- [5] [https://catalog.asu.edu/credit\\_exam#IB](https://catalog.asu.edu/credit_exam#IB)
- [6] [https://catalog.asu.edu/credit\\_exam#cambridge](https://catalog.asu.edu/credit_exam#cambridge)
- [7] [https://catalog.asu.edu/credit\\_exam#COMP](https://catalog.asu.edu/credit_exam#COMP)
- [8] [https://catalog.asu.edu/credit\\_exam#PRO](https://catalog.asu.edu/credit_exam#PRO)
- [9] [https://catalog.asu.edu/test\\_req](https://catalog.asu.edu/test_req)
- [10] <https://uoeee.asu.edu/exam/clep>
- [11] <https://uoeee.asu.edu/exam/dsst>

## Leave of absence (undergraduate)

The Undergraduate Leave of Absence (LOA) policy assists and encourages undergraduate degree-seeking students to return and graduate after an absence due to military deployment, service on an official church mission or with a foreign aid service of the Federal government, or a permanent disability. If your absence is for any other reason, you may be eligible to return to ASU through Quick Re-entry [1], which permits undergraduate students to enroll without submitting a new application or application fee if they previously attended ASU but have not enrolled at ASU for up to seven consecutive fall or spring semesters.

### Eligibility requirements

To be eligible for an Undergraduate LOA, students must be eligible to register for classes and meet the following criteria:

1. Be a degree-seeking undergraduate student.
2. Be registered during the semester immediately prior to the beginning of the LOA.
  - a. Students who were admitted as new first semester freshmen or transfer students but did not attend will not be eligible for an LOA. Instead, they should contact the Undergraduate Admissions office.
  - b. Students who were readmitted but did not attend will not be eligible for an LOA. Instead, they should contact the Undergraduate Admissions office.
  - c. Students who are participating in an ASU-sponsored study abroad program need not apply for an LOA.
3. Be in academic good standing, warning, probation, or continuing probation with their college.
4. Have no hold (e.g., disciplinary, financial, testing, etc.) which would restrict registration. Note: Students with financial holds may be given consideration for an LOA if authorized by the Collections Office [2].
5. Have submitted any outstanding high school and/or transfer transcripts, if prior admission/readmission and continued enrollment was contingent upon receipt of those transcripts.

Download the Undergraduate Leave of Absence Request [3] form

### Leave of absence FAQ's

Information for students returning from a Leave of Absence.

#### **Q. My LOA is about to expire; what do I do now?**

A. View your registration date as well as any current registration holds and "To Do" list items on My ASU [4]. Schedule an appointment with your advisor to discuss course selection. Submit transcripts for coursework you completed during your LOA.

#### **Q. How will the university inform me regarding upcoming enrollment, deadlines and holds that may occur while on I'm on an LOA?**

A. We recommend checking your My ASU [4] page often during your LOA so that you may stay informed about registration dates, financial aid and tuition deadlines and advising holds that may occur prior to the end of your leave.

#### **Q. If I qualify for an LOA, does this defer my scholarship?**

A. No. In order to request a deferment of your scholarship, you will need to complete the Scholarship Deferment Application [5] found on the Scholarship website. To have your scholarship reinstated after the deferment period, you will need to complete the Scholarship Reinstatement Request [6] form.

#### **Q. Can I come back earlier than what my original LOA was processed for?**

A. Yes. If you wish to return to ASU prior to the end of your scheduled leave you will need to contact University Registrar Services at 480-965-3124 so that your return may be updated immediately to maximize enrollment opportunities and meet any college, financial aid, etc. deadlines.

**Q. Can I request an extension of my LOA?**

A. Yes. If you are unable to return to ASU by the term you initially identified, then you may request an extension through the college of your major. To extend your LOA, please complete the LOA form [7] and submit to your college for approval.

**Q. Am I able to view my unofficial transcripts?**

A. Yes. Student can view their unofficial transcripts through their My ASU [4] page.

**Q. Will my loans be deferred while on an LOA?**

A. No. In order to defer loans, students must be currently enrolled. While the LOA keeps student records up to date, it does not allow for deferment. Please contact your lender for more information.

**Q. Can I attend another institution while on an LOA?**

A. Yes. Once all coursework is complete and graded, please request official transcripts to be sent directly from the transfer institution to ASU at the following address:

Arizona State University  
PO Box 870112  
Tempe, AZ 85287-0112

Registration and Tuition Payment Guide [8]

Enrollment Request Forms [9]

Contact University Registrar Services [10]

**Source URL:** <https://students.asu.edu/leave-absence>

**Links:**

[1] <https://admission.asu.edu/undergrad/readmission>

[2] <https://students.asu.edu/tuitionandbillingcontact>

[3] [https://students.asu.edu/sites/default/files/undergraduate\\_leave\\_of\\_absence\\_request\\_2.11.2020.pdf](https://students.asu.edu/sites/default/files/undergraduate_leave_of_absence_request_2.11.2020.pdf)

[4] <http://my.asu.edu/>

[5] <https://students.asu.edu/forms/scholarship-deferment-application>

[6] <https://students.asu.edu/forms/scholarship-reinstatement>

[7] <https://students.asu.edu/forms/leave-absence-undergraduate>

[8] <https://students.asu.edu/registration-and-tuition-payment-guide>

[9] <https://students.asu.edu/forms/registration>

[10] <https://students.asu.edu/contact/office-university-registrar>

## Minors and undergraduate certificates

To declare a minor or pursue a certificate, please consult your academic advisor and an advisor in the unit offering the minor for more information. Search minors and certificates [1].

### Minors

A minor is an approved, coherent concentration of academic study in a single discipline, involving substantially fewer hours of credit than a corresponding major. Most ASU colleges offer undergraduate minors in addition to majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added.

Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

### Undergraduate certificates

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Source URL:** <https://catalog.asu.edu/minors>

**Links:**

[1] <https://webapp4.asu.edu/programs/t5/MinorsCertificates/undergrad/true>

## Placement and testing requirements

### English placement

All students must meet the university First-Year Composition requirement through completion of both ENG 101 and ENG 102 or ENG 105 with a grade of "C" (2.00) or higher. All incoming students will be placed in ENG 101 or appropriate first-year composition course based on submission of test scores, exam scores or transfer credit.

### Math placement

ASU requires all incoming freshmen to complete the ASU mathematics placement test [1] for mathematics prior to orientation in order to determine the appropriate math course for enrollment.

**Source URL:** [https://catalog.asu.edu/test\\_req](https://catalog.asu.edu/test_req)

**Links:**

[1] <https://students.asu.edu/math>



# Retention and academic standards

## Class standing

A student's class standing is determined by the number of credit hours earned, as shown in the table below.

Student	Credit Hours Earned
Freshman	24 or fewer credit hours earned
Sophomore	25 to 55 credit hours earned
Junior	56 to 86 credit hours earned
Senior	87 or more credit hours earned
Graduate	bachelor's degree from accredited institution

## Academic good standing

For the purpose of retention, university academic good standing [1] for degree-seeking students is defined as maintaining a minimum cumulative GPA of 2.00. This standard is in effect for all students, regardless of catalog year, beginning in fall 2013.

An ASU student who does not achieve the minimum GPA standard at the completion of the first term of study will receive an academic warning [2]. If after one term with an academic warning a student still does not achieve the minimum GPA standard, the student will be placed on probation for at least one additional term. If a student's minimum GPA first falls below the standard in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

A student with an academic warning or on academic probation is considered in conditional good standing and is permitted to enroll.

Whether a student's status is an academic warning or probation, the student must meet with an academic success specialist to discuss academic success strategies for the subsequent semester and develop a success plan for returning to university academic good standing. At the discretion of the student's college or school, that plan may require successful completion of UNI 220 Academic Refresher.

## Dean's list

Undergraduate students are eligible for the Dean's List if they earn 12 or more graded credit hours ("A+", "A", "A-", "B+", "B", "B-", "C+", "C", "D" or "E") during a semester in residence at ASU with a GPA of 3.50 or higher. A notation regarding Dean's List achievement appears on the unofficial transcript.

## Satisfactory academic progress

The university is required to publish and enforce standards of satisfactory academic progress for certain students (e.g., student athletes, students receiving financial aid and students receiving veterans benefits).

Certification of satisfactory progress for student athletes is verified by the academic advisor and the dean's designee for certifying satisfactory progress. Certification of satisfactory progress [3] for students receiving financial aid or veterans benefits is verified by the Financial Aid and Scholarship Services office or the Office for Veteran and Military Academic Engagement, respectively. Students should contact their advisors or the appropriate office for additional information on satisfactory progress requirements.

## Probation

A student's college assumes responsibility for enforcing academic standards and may place on university academic probation [4] any student who has failed to maintain good standing as previously defined. For purposes of probation and retention, an individual college may set higher GPA standards. A student on academic probation is required to observe any rules or limitations the college may impose as a condition for retention, including college-established policies regarding continuing probation.

### Co-enrolled continuing probation program

Select disqualified students may participate in the Co-enrolled Continuing Probation program at the discretion of their college or school. Under this program, the student takes UNI 220 Academic Refresher plus one ASU course selected by the student's advisor. The student co-enrolls at a Maricopa County Community College with a schedule selected in consultation with the ASU advisor. Upon completion of the term, students with a combined semester cumulative GPA of 2.50 may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

## Disqualification

A student who is placed on probation at the end of a semester is subject to disqualification [5] by the college or school at the end of the following semester if the conditions imposed for retention are not met.

Disqualification is exercised at the discretion of the college or school. A student is notified of disqualification by the dean of the college and is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled. A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible. A disqualified student may not attend as a nondegree student. If a disqualified student elects to attend another university or two-year college, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a replacement of a grade earned at ASU. Disqualified students must consult with an academic advisor to determine eligibility to attend ASU in the summer session, to raise the ASU cumulative GPA.

Select disqualified students may participate in the Co-enrolled Continuing Probation Program. Information about this is available in the Glossary of Academic Terms, at Probation [4].

## Readmission

Students not eligible for Quick Re-entry [6] (i.e., because they have not been enrolled at ASU for seven or more semesters, completed their academic program or were academically disqualified) must apply for readmission and submit applicable fees.

Candidates for readmission who are not in academic good standing are subject to college review.

A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible.

## Academic integrity

All students should be familiar with ASU's Academic Integrity policy. More information about Academic Integrity at ASU is available here: <https://provost.asu.edu/academic-integrity> [7].

**Source URL:** [https://catalog.asu.edu/retention\\_standing](https://catalog.asu.edu/retention_standing)

### Links:

[1] <https://catalog.asu.edu/glossary#goodstanding>

[2] <https://catalog.asu.edu/glossary#warning>

[3] <https://catalog.asu.edu/glossary#progress>

[4] <https://catalog.asu.edu/glossary#probation>

[5] <https://catalog.asu.edu/glossary#disqualified>

[6] <https://catalog.asu.edu/glossary#quickreentry>

[7] <https://provost.asu.edu/academic-integrity>

# University undergraduate General Studies requirement

A baccalaureate education should prepare students for a particular profession or advanced study and for constructive and satisfying personal, social and civic lives as well. In addition to depth of knowledge in a particular academic or professional discipline, students should also be broadly educated, including knowledge of transdisciplinary solutions to address interdependent economic, environmental and social challenges, and develop the general intellectual skills they need to continue learning throughout their lives. Thus, the General Studies requirement complements the undergraduate major by helping students gain mastery of critical learning skills, investigate the traditional branches of knowledge and develop the broad perspective that frees one to appreciate diversity and change across time, culture and national boundaries.

Critical learning skills include proficiency in the use of language, mathematics and quantitative methods as tools for acquiring, renewing, creating and communicating knowledge. A broad education includes an understanding of the methods and concerns of traditional branches of knowledge — the arts and humanities, the social sciences and the natural sciences. Developing perspective requires historical, global and cross-cultural examination of knowledge of all kinds.

The General Studies requirement is composed of courses in five core areas and three awareness areas. The courses are approved by the General Studies Council and are noted in the course catalog [1] for each academic term. General Studies courses are regularly reviewed and are occasionally added to and deleted from the list. Students should always consult the course catalog [1] each semester to see which courses currently meet the General Studies requirement.

A student receives the General Studies credit that a course carries during the semester in which the course is taken.

## Five core areas (General Studies)

### **L: Literacy and critical inquiry (three credit hours)**

Literacy is competence in written and oral discourse. Critical inquiry is the gathering, interpretation and evaluation of evidence. The literacy and critical inquiry requirement helps students sustain and extend their ability to reason critically and communicate clearly through language.

Students must complete three credit hours from courses designated as L. Students must have completed ENG 101, ENG 105 or ENG 107 to take an L course.

The three credit hours required to meet the General Studies L requirement are in addition to the upper-division L university graduation requirement. Students should review the university graduation requirements [3] for more information.

### **MA and CS: Mathematical studies (combined six credit hours)**

This core area has two categories. Mathematics (MA) is the acquisition of essential skills in basic mathematics. Computer/statistics/quantitative applications (CS) applies mathematical reasoning and requires students to complete a course in either the use of statistics and quantitative analysis or the use of a computer to assist in serious analytical math work.

This requirement has two parts: At least three credit hours must be selected from courses designated MA and at least three credit hours must be selected from courses designated CS, and all students are expected to fulfill the MA requirement by the time they accumulate 30 credit hours in residence at ASU. Any student who has more than 30 hours of resident ASU credit and has not fulfilled the MA requirement must enroll in an MA course or an appropriate prerequisite and continue to do so every semester until the mathematics requirement is met. College officers may grant waivers to the immediate and continual enrollment requirement only when there are scheduling conflicts detrimental to the student's academic progress.

## **HU: Humanities, arts and design and SB: Social-behavioral sciences (combined 12 credit hours)**

The study of the humanities and the disciplines of art and design deepen awareness of the complexities of the human condition and its diverse histories and cultures. Courses in the humanities are devoted to the productions of human thought and imagination, particularly in philosophical, historical, religious and artistic traditions. Courses with an emphasis in arts and design comprise the study of aesthetic experiences and the processes of artistic creation. They also may feature a design emphasis in which material culture is studied as a product of human thought and imagination.

The social-behavioral sciences provide scientific methods of inquiry and empirical knowledge about human behavior, within society and individually. The forms of study may be cultural, economic, geographic, historical, linguistic, political, psychological or social. The courses in this area address the challenge of understanding the diverse natures of individuals and cultural groups who live together in a world of diminishing economic, linguistic, military, political and social distance.

Twelve credit hours must be completed in the following two core areas: humanities, arts and design (HU) and social-behavioral sciences (SB). At least six credit hours must be taken in each of these two core areas.

The 12 credit hours required to meet the General Studies HU/SB requirement are in addition to the upper-division HU/SB university graduation requirement. Students should review the university graduation requirements [2] for more information.

## **SQ and SG: Natural sciences (combined eight credit hours)**

The natural sciences help students appreciate the scope and limitations of science and its contributions to society. Natural science areas of study include anthropology, astronomy, biology, biochemistry, chemistry, experimental psychology, geology, microbiology, physical geography, physics and plant biology. Knowledge of the methods of scientific inquiry and mastery of basic scientific principles and concepts are stressed, specifically in those that relate to matter and energy in living and nonliving systems. Firsthand exposure to scientific phenomena in the laboratory is important for developing and understanding the concepts, principles and vocabulary of science.

General Studies courses that satisfy the natural science requirement are given one of two classifications: quantitative (SQ) and general (SG).

- quantitative (SQ): These laboratory courses include a substantial introduction to the fundamental behavior of matter and energy in physical and biological systems.
- general (SG): These laboratory courses cover aspects of scientific inquiry that lend themselves to more qualitative or descriptive discussions of science.

Eight credit hours of courses designated SQ or SG must be selected. Of these, at least four credit hours must be taken from the SQ category.

## **Three awareness areas (General Studies)**

Students must complete courses that satisfy three awareness areas. Courses that are listed for a core area and one or more awareness areas may satisfy requirements concurrently, up to a maximum of two of the awareness areas listed for that course. These awareness areas promote appreciation of cultural diversity within the contemporary U.S., the development of an international perspective and an understanding of current human events through study of the past.

### **1. Cultural diversity in the United States (C)**

The objective of the cultural diversity (C) requirement is to promote awareness and appreciation of cultural diversity within the contemporary U.S. This is accomplished through the study of the cultural, social or scientific contributions of women and minority groups, examination of their experiences in the U.S., or exploration of successful or unsuccessful interactions between and among cultural groups. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present and future and also help students achieve greater mutual understanding and respect.

## 2. Global awareness (G)

The objective of the global awareness (G) requirement is to help students recognize the need for an understanding of the values, elements and social processes of cultures other than those of the U.S. The global awareness area includes courses that recognize other contemporary cultures and the relationship of the American cultural system to generic human goals and welfare.

## 3. Historical awareness (H)

The objective of the historical awareness (H) requirement is to help students develop knowledge of the past, which can be useful in shaping the present and future. History is present in languages, art, music, literature, philosophy, religion and the natural sciences as well as in the social science traditionally called history.

## Meeting the General Studies requirement

All students enrolled in a baccalaureate degree program must complete successfully a minimum of 29 credit hours of approved General Studies courses. Many General Studies courses are approved as satisfying more than one requirement. The following conditions govern the application of courses toward the General Studies requirement:

- A single course may be used to satisfy one core area and a maximum of two awareness area requirements.
- A single course may be used to satisfy a maximum of two awareness area requirements.
- A single course cannot be used to satisfy two core area requirements, even if it is approved for more than one core area.

There is no limit to the number of advanced placement or College-Level Examination Program credits that can be used to meet the General Studies requirement; students should see credit by examination [3]. However, CLEP credits do not satisfy the natural sciences (SQ and SG) and literacy and critical inquiry (L) portions of the General Studies requirement.

In July 2019, the Arizona Board of Regents approved Policy 2-210 General Education [4], calling for a restructuring of general education programs. Faculty at ASU are developing a thematic approach to general education. The program is organized around 4 key competencies, reflective of ASU:

1. **Inquiry:** The ability to critically think, analyze and evaluate data or evidence in an ethical, systematic manner to determine the strength of an argument or conclusion.
2. **Collaboration:** The ability to listen to diverse views, to empathize with others' perspectives, to seek to understand others, and to effectively disagree through civil discourse. Additionally, collaboration entails the ability to successfully communicate knowledge and points of views while respecting others.
3. **Innovation:** The ability to innovate requires convergent and divergent thinking across multiple disciplines by pushing boundaries in one's discoveries, creations, oral or written communication, philosophical thinking, or systematic inquiries.
4. **Engagement:** The ability to engage diverse people, cultivate cultural understanding, promote civil discourse, understand American institutions, build inclusive networks, and direct democratic capital in pursuit of complex goals. Engagement is the foundation for applying academic knowledge to effective leadership at a local, national and global level.

Students will take courses from a **controlled** and **curated** selection, including studies in:

- literature, fine arts and humanities
- social and behavioral sciences
- American institutions (including economic theory and U.S. history)
- natural sciences
- composition, communication and rhetoric
- mathematics and quantitative reasoning

Embedded in the core competencies of inquiry, collaboration, innovation and engagement are topics and skills related to ethics, civility, diversity and inclusion, and the challenges of sustainability.

## Transfer credit

Completion of General Studies and composition requirements at a domestic institution accredited by an organization recognized by ASU as certified on the official transcript will fulfill ASU's lower-division General Studies and composition requirements. Certification of completed General Studies may include completion of general education package (ex: AGECE, CSUGE, IGETC), an associate of arts degree or bachelor's degree or comparable, as documented on an official transcript. These students are still required to fulfill lower-division program requirements and prerequisites within their college and major and minor areas of study. Additionally, students still must take six upper-division credit hours (three for L and three for SB or HU) to complete the ASU university-level graduation requirements. If students transfer from Arizona community colleges without completing the AGECE or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. Students should see the Arizona General Education Curriculum [5] page for more information.

## University requirements

In addition to the 29 credit hours of lower-division general education coursework, university graduation requirements [2] also require students to take six additional upper-division credit hours. Three hours with a Literacy (L) designation are required to be chosen from approved upper-division courses, preferably in the major. Three hours with either a humanities, arts and design (HU) or social-behavioral sciences (SB) designation should also be chosen from approved upper-division courses, preferably in the major.

## College or school and major requirements

In addition to the General Studies requirement, students also must complete college or school and major requirements. Students are encouraged to work with their academic advisors to develop a program of study that efficiently meets all graduation requirements. A well-planned program should enable a student to satisfy concurrently requirements at the university, college or school levels, and within their major.

**Source URL:** [https://catalog.asu.edu/ug\\_gsr](https://catalog.asu.edu/ug_gsr)

### Links:

[1] <https://webapp4.asu.edu/catalog/>

[2] <https://catalog.asu.edu/undergraduatereq>

[3] [https://catalog.asu.edu/credit\\_exam#CLEP](https://catalog.asu.edu/credit_exam#CLEP)

[4] <https://public.azregents.edu/Policy%20Manual/2-210%20General%20Education.pdf>

[5] <https://catalog.asu.edu/agec>

## University undergraduate graduation requirements

All students enrolled in a baccalaureate degree program must fulfill the following university requirements to graduate.

### Credit requirements

A minimum of 120 credit hours is required for graduation with a baccalaureate degree; at least 45 credit hours must be in upper-division courses. Some programs may require more than 120 credit hours and 45 upper-division credit hours for graduation; students should check the program's major map for graduation requirements.

No more than 60 credit hours earned in independent learning courses or earned by comprehensive examination (including Advanced Placement, College-Level Examination Program, DANTES Subject Standardized Test, Cambridge International Exam and International Baccalaureate exams) are accepted for credit toward the baccalaureate degree.

### Grade point requirement

A minimum cumulative grade point average of 2.00 for all courses taken at ASU is required to graduate with a baccalaureate degree. Some programs may require a cumulative GPA higher than 2.00; students should refer to the specific program's major map for graduation requirements.

### General Studies requirement

All students enrolled in a baccalaureate degree program must satisfy the university requirement of a minimum of 29 credit hours of approved General Studies coursework. Students should refer to the General Studies [1] page for more information.

Completion of General Studies and composition requirements at a domestic institution accredited by an organization recognized by ASU as certified on the official transcript will fulfill ASU's lower-division General Studies and composition requirements. Certification of completed general studies may include completion of general education package (ex: AGECE, CSUGE, IGETC), an associate of arts degree or bachelor's degree or comparable, as documented on an official transcript. If students transfer from Arizona community colleges without completing the AGECE or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. Students should review the Arizona General Education Curriculum [2] page.

In addition to 29 credit hours of General Studies coursework, students must complete an additional six upper-division credit hours, preferably chosen from within the major, comprised of three credit hours of literacy (L) and three credit hours of humanities, arts and design (HU)/social-behavioral sciences (SB).

### Mathematics requirement

All undergraduate degree-seeking students are expected to fulfill the university's mathematics requirement by the time they have accumulated 30 credit hours in residence at ASU. Any student who has more than 30 credit hours and has not fulfilled the mathematics requirement must enroll in a mathematics course or an appropriate prerequisite course and continue to do so every semester until the mathematics requirement is met. A waiver may be granted for continuous enrollment if there are scheduling conflicts detrimental to the student's academic progress. Students should also see the Math Intensive Programs: Required Course Policy [3].



## First-year composition requirement

Completion of both ENG 101 and ENG 102 or ENG 105 with a grade of "C" (2.00) or higher is required for graduation from ASU in any baccalaureate program. A student whose native language is not English may meet the first-year composition requirement by completing ENG 107 and 108 with a grade of "C" (2.00) or higher. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

## Transfer credit

Composition courses transferred from other post-secondary institutions may require evaluation. After consultation with an advisor, if evaluation is necessary, the student should submit a request for evaluation through the ASU Transfer Guide [5]. The process should be completed upon transfer of coursework to ASU so the student is able to enroll in additional courses if required to do so. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

## Resident credit requirement

Resident credit refers to a course that is offered in a regular semester, winter session (prior to 2011-2012), intersession or summer session. Credit earned through comprehensive examinations also is included when calculating ASU resident hours. Credit earned through independent learning, Advanced Placement testing, the College-Level Examination Program or an International Baccalaureate exam are excluded when calculating ASU resident hours.

Every candidate for the baccalaureate degree is required to earn a minimum of 30 credit hours in resident-credit courses at ASU.

## Guidelines for determination of catalog year

The ASU Academic Catalog is published annually. Department, school, division, college and university requirements are upgraded often, and may change. In determining graduation requirements, an undergraduate student will use only one edition of the catalog but may elect to follow any subsequent catalog edition under which the student attends. Students may not use an edition of the catalog that was in effect before their high school graduation or completion of GED. Students maintaining continuous enrollment at any Arizona community college or public university may graduate according to the requirements of the catalog in effect at the time of initial enrollment following high school graduation or completion of a GED or according to the requirements of any single catalog in effect during subsequent terms of continuous enrollment. Students may maintain continuous enrollment while pursuing their degrees, whether attending a single Arizona community college or public university or transferring among public institutions in Arizona. Students transferring among Arizona public higher education institutions must meet all requirements of the degree-granting institution: admission, residency, curricular and academic.

1. A semester in which a student earns course credit is counted toward continuous enrollment. Noncredit courses, audited courses, failed courses and courses from which the student withdraws do not count toward the determination of continuous enrollment for catalog purposes (examples A and B in the continuous enrollment table below).
2. Students who do not meet the minimum enrollment standard stipulated above during three consecutive semesters (fall/spring/fall or spring/fall/spring) and the intervening summer term at any Arizona community college or public university are no longer considered continuously enrolled. These students must meet requirements of the Arizona community college or public university catalog in effect at the time they are readmitted or of any single catalog in effect during subsequent terms of continuous enrollment after readmission (examples C and D in the continuous enrollment table below). Students are not obligated to enroll and earn course credit during summer terms, but summer enrollment may be used to maintain continuous enrollment status.

3. Students admitted or readmitted to an Arizona community college or public university during a summer term must follow the requirements of the catalog in effect for the following fall semester or of any single catalog in effect during subsequent terms of continuous enrollment (example E in the continuous enrollment table below).
4. In areas of study in which the subject matter changes rapidly, material in courses taken long before graduation may become obsolete or irrelevant.
5. Coursework that is more than eight years old is applicable to completion of degree requirements at the discretion of the department of the student's major. Departments may accept or reject such coursework or request that the student revalidate the substance of the coursework. The eight-year limit on coursework applies except when program accreditation agencies limit the life of coursework to fewer than eight years. Departments also may require students to satisfy current major requirements rather than major requirements stated in earlier catalogs when completing earlier requirements is no longer possible or educationally sound.
6. Enrollment by Arizona community college students in nontransferable courses still constitutes enrollment for purposes of determining whether the student has been continuously enrolled. For example, if a student takes two semesters of cooperative education classes that are not transferable to the university but constitute continuous enrollment at the community college, the university should consider it continuous enrollment.
7. Exceptions made by an institution apply only to the institution that made the exception. For example, if the community college departments accepted credit that was more than eight years old, the university department to which the student transfers might not; the university department has the right and the obligation to reevaluate any credit more than eight years old.

Inquiries about these guidelines may be directed to the student's academic advisor.

<b>Continuous Enrollment</b>		
<b>Student's Activity</b>	<b>Semester/Year</b>	<b>Status</b>
<b>Example A</b>		
Admitted and earned course credit at an Arizona community college	Fall 2019	Active
Continued at an Arizona community college	Spring 2020 Fall 2020	Active
Transferred to an Arizona university	Spring 2021	Student enrolled under 2019–2020 or any subsequent catalog
<b>Example B</b>		
Admitted and earned course credit at an Arizona community college	Fall 2015	Active
Enrolled but earned all "W"s or "E"s (0.00)	Spring 2016	Inactive
Enrolled in audit courses only	Fall 2016	Inactive

Nonattendance	Spring 2017	Inactive
Transferred to an Arizona university	Fall 2018	Student enrolled under 2018–2019 or any subsequent catalog
<b>Example C</b>		
Admitted and earned course credit at an Arizona community college	Fall 2013	Active
Nonattendance	Spring 2014 Fall 2014 Spring 2015	Inactive
Readmitted and earned course credit at an Arizona community college	Fall 2015	Active
Transferred to an Arizona university	Spring 2016	Student enrolled under 2015–2016 or any subsequent catalog
<b>Example D</b>		
Admitted and earned course credit at an Arizona community college	Fall 2018	Active
Nonattendance	Spring 2019	Inactive
Readmitted and earned course credit at an Arizona community college	Summer 2019	Active
Nonattendance	Fall 2019 Spring 2020	Inactive
Transferred to an Arizona university	Fall 2020	Student enrolled under 2018–2019 or any subsequent catalog
<b>Example E</b>		
Admitted and earned course credit at an Arizona community college	Summer 2017	Active
Continued at an Arizona community college	Fall 2018 Spring 2019	Active
Nonattendance	Fall 2019	Inactive

Readmitted and earned course credit at an Arizona community college	Spring 2020	Active
Transferred to an Arizona university	Summer 2020	Student enrolled under 2017–2018 or any subsequent catalog
<b>Example F</b>		
Admitted and earned course credit at an Arizona university	Summer 2014	Active
Nonattendance	Fall 2014	Inactive
Nonattendance	Spring 2014	Inactive
Readmitted and earned course credit at an Arizona university	Fall 2015	Active
Continued at an Arizona community college	Spring 2016	Student enrolled under 2014–2015 or any subsequent catalog

## Application for graduation

For information on how to apply for graduation and deadline dates, students should visit: <https://students.asu.edu/graduation> [5].

## Petition for variance from degree

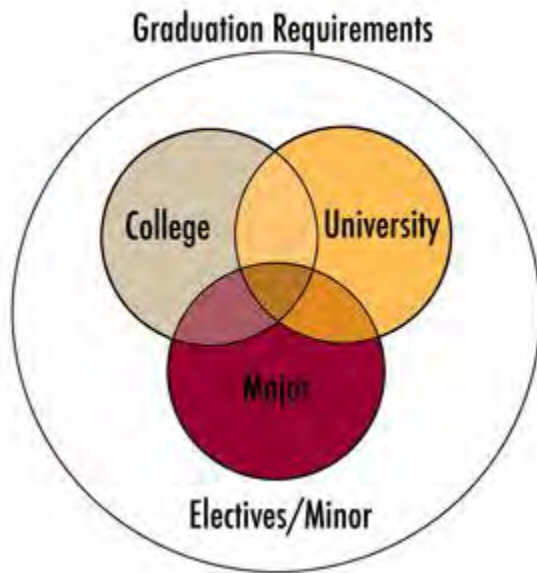
Any student wishing to have a college or university degree requirement variance must petition the standards committee of the college in which the student is enrolled. All petitions must originate with the student's advisor.

The University Undergraduate Standards Committee advises the Office of the University Provost regarding undergraduate student petitions that concern university-wide academic requirements. These requirements include: requirements on the amount of transfer credit, graduation requirements, limits on credit by examination, and requirements for a second baccalaureate degree. To petition for a variance from such university requirements, the University Undergraduate Standards Committee petition [6] is used. Most petitions heard by the University Undergraduate Standards Committee start at the college level and are forwarded for final review and decision to the university-level committee.

## Overview of graduation requirements

At ASU, students take classes that fulfill four types of requirements. As illustrated in the graduation requirements diagram below, some courses can fulfill two or more types of requirements but other courses fulfill only one requirement. The total credit hours needed to graduate are represented by the largest circle. The university minimum is 120 credit hours. Some majors, however, require more than 120 credit hours.

Although the three shaded circles in the illustration below are equal in size and the white circle is larger than all three, the total number of credit hours for each type of requirement may vary.



### University requirements

The yellow circle represents university requirements. The General Studies requirement and first-year composition requirement are among these requirements.

### College requirements

The gray circle represents college requirements. Some colleges and schools such as The College of Liberal Arts and Science have additional requirements.

### Major

The red circle represents the requirements of the major. The credit hours required for a major may be as low as 30 hours or as high as 65 hours.

### Electives/minor/certificate

The white circle represents electives and the requirements of a minor or certificate. A minor typically adds an additional 18 to 25 credit hours of coursework. Although every student eventually must declare a major, minor and certificates are not required. Some courses, while providing credit hours toward graduation, fall outside the shaded circles and are not required in a program for graduation. These courses are electives. Some majors leave no room for electives within the minimum 120 credit hours required to graduate.

### Other requirements

The separate units of ASU — such as colleges, schools and departments — have specific requirements for graduation that must be satisfied for a baccalaureate degree. Students are encouraged to consult with an academic advisor in

planning a program to ensure it meets the various requirements. A well-planned program may enable a student to concurrently satisfy a portion of the General Studies requirement together with a portion of a college or major requirement.

## Graduation with academic recognition

An undergraduate student must have completed at least 56 hours of resident credit at ASU to qualify for graduation with academic recognition for a baccalaureate degree. Note: West campus students following a catalog year prior to fall 2007 are required to have completed at least 50 hours of resident credit at ASU.

The cumulative GPA determines the designation, as shown in the academic recognition table below.

Academic Recognition	
Cumulative GPA	Designation
3.40–3.59	cum laude
3.60–3.79	magna cum laude
3.80–4.00	summa cum laude

The cumulative GPA for these designations is based on ASU resident coursework only. For example, ASU independent learning course grades are not calculated in the honors GPA. All designations of graduation with academic recognition are indicated on the diploma and the ASU transcript. Graduation with academic recognition applies only to undergraduate degrees.

A student who has a baccalaureate degree from ASU and is pursuing a second baccalaureate degree at ASU (with a minimum of 30 hours of resident credit) is granted academic recognition on the second degree based on the credit hours earned subsequent to the posting of the first degree. If fewer than 56 credit hours are completed at ASU subsequent to completion of the first ASU degree, the level of academic recognition can be no higher than that obtained on the first degree. If 56 or more credit hours are completed at ASU after completion of the first ASU degree, the level of academic recognition is based on the GPA earned for the second ASU degree. Inquiries about graduation with academic recognition may be directed to the graduation office at 480-965-3256.

## Additional degrees

### Second baccalaureate degree

The student seeking a second baccalaureate degree must meet admission criteria for that degree. After conferral of the first degree, a minimum of 30 credit hours in resident credit courses at ASU must be successfully completed to earn the second baccalaureate degree. The student must meet all degree and university requirements of the second degree. Students who wish to use courses taken while in graduate nondegree status toward a second bachelor's degree may have up to 15 credit hours applied toward this degree.

### Concurrent degrees

More than one baccalaureate degree may be pursued concurrently if prior approval is given by the standards committees of the colleges offering the degrees. Students may receive concurrent degrees if they meet the minimum requirements for both degrees. For additional information, students are asked to review the glossary description found here [7].

## eAdvisor and critical requirements

eAdvisor [8] ensures that students get off to a good start and stay on track toward graduation by helping them find a major that fits their talents and career goals and then monitors progress. Students use eAdvisor to do the following:

1. Learn more about graduation requirements for their major.
2. Discern the critical courses and grades that are required to stay on track to successfully complete their degree.
3. Plan for and schedule appropriate courses in the correct sequence to maximize success.
4. Monitor progress toward their degree.
5. Find out how courses may fit into other majors if they decide to change majors.

Through eAdvisor, students follow a major map that outlines the critical requirements and optimal eight-semester plan. If students do not meet the critical requirements, an advising hold may be placed on the students' records, and an advising session is required before future registration activities can take place. When students do not meet the critical requirements for two consecutive semesters, they are considered off track and may be advised to change majors.

Critical requirements are identified by the faculty and academic units as predictors of success in a major. To ensure students are able to enroll in critical courses, ASU academic units coordinate to offer sufficient seats to meet demand. Specific class schedules (days and times) are not guaranteed.

### Math-intensive programs: required course policy

ASU undergraduate degree programs are categorized in the area of math intensity [9] as either general, moderate or substantial based on the number and type of required math courses. Students enrolled in a degree program categorized as substantial in math intensity who receive a failing grade of "E" twice in the same required math course may be required to change their major to a major categorized as general or moderate. This policy is applicable even if the required math course is not marked as critical through the eAdvisor Tracking Tool.

**Source URL:** [https://catalog.asu.edu/ug\\_grad\\_req](https://catalog.asu.edu/ug_grad_req)

#### Links:

[1] [https://catalog.asu.edu/ug\\_gsr](https://catalog.asu.edu/ug_gsr)

[2] <https://catalog.asu.edu/agec>

[3] <https://catalog.asu.edu/undergraduatereq#mathintensity>

[4] <https://webapp4.asu.edu/transfercreditguide/app/home>

[5] <https://students.asu.edu/graduation>

[6] <https://provost.asu.edu/committees/university-undergraduate-standards-committee>

[7] <https://catalog.asu.edu/glossary#concurrent>

[8] <https://eadvisor.asu.edu/>

[9] <https://catalog.asu.edu/mathintensity>



# graduate policies and procedures





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## Introduction

The Graduate College admits students into programs leading to both professional and research-oriented advanced degrees and certificates beyond the bachelor's degree. The master's and doctoral degrees are awarded to students completing programs that culminate in research and creative endeavors. The doctoral degree is the highest university award, conferred on candidates who have proven their ability as scholars and original researchers.

### Academic Integrity

The highest standards of [academic integrity](#) and compliance with the university's [Student Code of Conduct](#) are expected of all graduate students in academic coursework and research activities. The failure of any graduate student to uphold these standards may result in serious consequences including suspension or expulsion from the university and/or other sanctions as specified in the academic integrity policies of individual colleges as well as the university.

Violations of academic integrity include, but are not limited to: cheating, fabrication of data, tampering, plagiarism, or aiding and/or facilitating such activities. At the graduate level, it is expected that students are familiar with these issues and that students assume personal responsibility in their work.

### Notice of Non-Discrimination

ASU prohibits all forms of discrimination, harassment and retaliation. To view ASU's policy please see <https://www.asu.edu/aad/manuals/acd/acd401.html>.

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the Title IX Coordinator or to the U.S. Department of Education, Assistant Secretary, or both. Contact [titleixcoordinator@asu.edu](mailto:titleixcoordinator@asu.edu) or 480-965-0696 for more information. Office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report please go to [www.asu.edu/reportit/](http://www.asu.edu/reportit/).

### Graduate Student Responsibilities

Graduate students are responsible for familiarizing themselves with all university and graduate policies and procedures. Students should also communicate directly with their academic unit to be clear on expectations for degree completion.

Information is provided to students via [MyASU](#). Students should frequently check their MyASU account for the most up-to-date information regarding their status, holds, items to attend to and other important information.

It is very important that students check with their thesis/dissertation advisor well in advance of data collection to ensure compliance with university regulations regarding the collection of research data. Please see the section of this guide titled "Research Involving Human and Animal Subjects."

## Submission of an Application

For admission information and procedures, see [students.asu.edu/graduate](https://students.asu.edu/graduate). Applications for all graduate degree programs, certificate programs and/or non-degree must be submitted via the [students.asu.edu/graduate/apply](https://students.asu.edu/graduate/apply).

Prior to submitting an application to the Graduate College, applicants should review information regarding the [graduate program](#) and academic unit application requirements and deadlines. Students who have a Graduate College approved *Leave of Absence* on file with the Graduate College prior to their semester of non-registration and are re-entering the same graduate program for the semester immediately following the approved request, are not required to submit a new application.

## Application Deadlines

Application deadlines are set by the graduate programs. Consult the program websites or the [Graduate Degree and Certificate Search](#) tool for specific application deadlines.

\*Please note that international students wishing to attend an in-person program must apply to Sessions A or C only (Session B is not available to international students due to visa requirements).

## Application Fee

Each application to an ASU graduate program must be accompanied by a non-refundable application fee, payable by credit or debit card at the time of submission. The application fee covers Graduate Admission Services' administrative costs of processing all applications and is not refundable under any circumstance.

- ⤴ Domestic application fee: \$70;
- ⤴ International application fee: \$115.

Applicants receive an email acknowledgement once the application has been successfully submitted. The acknowledgement includes an ASURITE ID and activation code so that students may follow the progress of their application through MyASU. Applicants should review [MyASU](#) to monitor their application status, "To Do" items and "Holds".

## Application Requirements

Applicants must submit official transcripts from all post-secondary institutions previously attended to the Graduate Admissions Services office (see [students.asu.edu/graduate/standards](https://students.asu.edu/graduate/standards)). **Academic units may have admission requirements in addition to those of Graduate Admission Services.** Many graduate programs require scores from a national admissions test such as the Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT) or the Miller Analogies Test. Some programs require a portfolio, letters of recommendation a statement of goals and/or a resume. Applicants should consult the academic unit regarding program admission requirements prior to submitting an online application. Programs will submit a recommendation to the Dean for Graduate College regarding their willingness to admit an applicant.

All documents received by Graduate Admission Services in connection with an application become property of ASU and will not be returned.

## Academic Credentials

Applicants who attended school in the United States must hold a bachelor's degree or higher from a regionally accredited U.S. institution in order to be eligible for admission. Applicants are required to provide proof that a

bachelor's or graduate degree was awarded before completion of their first semester of graduate studies at ASU.

Applicants who attended school outside of the U.S. must hold a bachelor's or graduate degree, or equivalent, from an institution that is officially recognized by that country. If original credentials are issued in a language other than English, applicants must provide the original language transcripts as well as an official and literal translation. Applicants are required to provide proof that a bachelor's or graduate degree was awarded before completion of their second semester of graduate studies at ASU.

Photocopied documents certified by a notary public are not official. For more information regarding official academic credentials see [students.asu.edu/graduate](https://students.asu.edu/graduate). For additional information regarding official international academic credentials see [students.asu.edu/graduate/apply](https://students.asu.edu/graduate/apply).

Applicants must have maintained a minimum grade point average of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of undergraduate coursework.

Because ASU receives applications from many highly qualified students, some applicants may be denied admission for reasons not related to their academic performance. Examples include, but are not limited to: program capacity, mentor availability and/or program match.

## Additional International Requirements

### International Applicants

Please consult the Graduate Admission Services websites at [students.asu.edu/graduate](https://students.asu.edu/graduate), and [students.asu.edu/international/immigration](https://students.asu.edu/international/immigration) for complete information.

Applicants who will hold an F-1 or J-1 visa must:

1. Meet the regulations of the U.S. Immigration and Customs Enforcement (ICE) agency.
2. Obtain insurance coverage against illness and accidents before being permitted to register for classes. Insurance must be maintained throughout the students' enrollment at the university.
3. Submit proof of [English proficiency](#).
4. Submit additional materials as outlined on the Graduate Admission Services website at [students.asu.edu/graduate/apply](https://students.asu.edu/graduate/apply).
5. Verify that they have the financial resources to cover their expenses during graduate study at ASU. The *Financial Guarantee* form is available through the Graduate College website at [students.asu.edu/graduate](https://students.asu.edu/graduate). In addition to the *Financial Guarantee* form, if ASU is providing an assistantship, an official offer letter must be sent to the Graduate Admission Services office. Similarly, if a governmental entity is funding the student, an official letter from the government must be submitted to the Graduate Admission Services office in addition to the *Financial Guarantee* form.

The I-20 or the DS-2019 (documents needed to obtain a student visa) is issued only after the completed and properly verified **Financial Guarantee** form, proof of [English proficiency](#) and supporting documents have been received by the office of Graduate Admission Services. International students may enroll at ASU only if they have been admitted to a degree program or the post-baccalaureate teacher education program. International students must be enrolled in a graduate degree program to enroll in an in-person certificate program. International students may enroll in an online certificate program without enrolling in a degree program. After arrival in the U.S., students need to complete the online SEVIS check-in.

Applicants residing in the U.S. on a valid visa must provide proof of a current visa. Enlarge the image and fax the copy to 480-965-5158.

## English Language Requirement

English proficiency is required for all students that wish to enter an ASU graduate program. There are several ways to meet the English proficiency requirement:

- ✦ **TOEFL** score of at least 550 (PBT) or 80 (iBT). The TOEFL is administered by TOEFL/TSE Services. ASU's institutional code is 4007. ASU accepts only electronic copies of the TOEFL score report.
- ✦ **IELTS** overall band score of at least 6.5. The IELTS is administered by the University of Cambridge. No institutional code is needed.
- ✦ **Pearson** Test of English (PTE) score of at least 60. The PTE is administered by Pearson.

**Individual academic units may have higher requirements for English proficiency.** Consult the academic unit's website. English proficiency is only valid for two years and must be taken within two years from the beginning of the semester for which the student applied.

Some applicants are exempt from the English proficiency requirement. The following exceptions must be met exactly to be considered for an exemption:

- ✦ Applicants who are U.S. Citizens or U.S. Permanent Residents
- ✦ Applicants who have earned a bachelor's degree or higher from a regionally accredited college/university in the United States.
- ✦ Applicants who have earned the equivalent of a U.S. bachelor's degree or higher from an international institution that is officially recognized by that country, and the country is on the ASU English Speaking Country and Territory List. (official transcript required)
- ✦ Applicants who have earned the equivalent of a U.S. bachelor's degree or higher from an international institution that is officially recognized by that country, and the sole medium of instruction for the program was in English (official transcript required). Student should email [gograd@asu.edu](mailto:gograd@asu.edu) to request exemption and include a letter from the institution on letterhead indicating language of instruction or provide information on the institution website to verify language of instruction.
- ✦ Applicants who have completed at least 9 semester hours of graduate coursework with a cumulative GPA of 3.0 (on a 4.0 scale) or higher at a regionally accredited college/university in the United States or from an international institution that is officially recognized in that country and is on the ASU English Speaking Country and Territory List. (official transcript required)
- ✦ Applicants who have completed at least 90 semester hours of undergraduate coursework with a cumulative GPA of 3.0 (on a 4.0 scale) or higher in residence at a regionally accredited college/university in the United States. (official transcript required)
- ✦ Applicants who have completed ASU Global Launch's in-person International Graduate Preparation Program (IGPP) at ASU with grades of "B" or better.
- ✦ Applicants who have completed Global Launch's English for Graduate Admission online course with 80% or better.
- ✦ Applicants who have a U.S. High School Diploma. (official transcript required)
- ✦ Applicants who attended an English speaking university.

All international applicants from countries where the native language is not English must pass an examination that certifies their skill in speaking English before applying for teaching assistantships. Please follow this link to the International Teaching Assistant website for information on how to fulfill this

requirement: <https://learnenglish.asu.edu/international-teaching-assistant>. Departmental requirements may differ so it is recommended that applicants contact their departments for specific details.

## Non-Degree Programs

Applicants who do not immediately intend to pursue a graduate degree may apply as non-degree seeking students at [students.asu.edu/graduate/nondegree](https://students.asu.edu/graduate/nondegree). The application process does not require the submission of academic credentials or test scores.

Non-degree applicants must have earned a bachelor's degree or higher from a U.S. regionally accredited institution or the equivalent of a U.S. bachelor's or graduate degree from an international institution that is officially recognized by that country.

There is no limit to the total cumulative credit hours students can take as non-degree students. However, to apply the credit hours toward an ASU master's or doctoral degree, students are limited to twelve credit hours taken within three years of admission prior to admission to the degree program.

Non-degree students may not be eligible to enroll in some classes. Contact the academic unit with questions regarding qualification for registration.

Financial aid is not available to non-degree students.

In-person non-degree study is typically not available to international students on F-1 or J-1 visas. For exceptions, prior to applying, you must obtain written approval from your Designated School Official (DSO) granting permission for you to take classes.

## After Applying

After an application has been successfully submitted, applicants receive an email acknowledgement that includes an ASURITE ID and activation code. Applicants should review [MyASU](#) to check on the application status, "Priority Tasks" and "Holds".

## Admission

A minimum grade point average of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of undergraduate coursework is required to be considered for admission to an ASU graduate degree program.

Academic units submit recommendations regarding admission decisions to Graduate Admission Services; only the Dean of the Graduate College can make formal offers of admission.

Applicants monitor the status of their application through MyASU. If admitted, the formal letter of admission can be downloaded from MyASU. If denied admission, letters are sent via email to the address on record.

Students may apply to programs that are both campus based immersion programs, as well as online-based digital immersion, but if admitted to both they must choose their preferred modality.

## Admission Types

- ✦ **Regular Admission**: Applicant satisfies all requirements for admission and is academically acceptable to both the degree or certificate program and the Graduate College.
- ✦ **Provisional Admission**: Applicant does not meet minimum academic standards with respect to grade point averages as required by Graduate College and the academic unit, but has additional evidence to



suggest the potential for success. This status provides the academic unit with an opportunity to better evaluate the student’s academic potential. Students have a maximum of one academic year to satisfy the provisional condition. **The Graduate College will withdraw students from the degree or certificate program who have not met the provisions of their admission within the required timeframe.**

- ⤴ *Regular Admission with Deficiencies:* Applicant’s grades and test scores are at an acceptable level but applicant does not have the academic background expected by the degree or certificate program and the university. Monitoring deficiency completion is the responsibility of the academic unit.

## Defer Admission

Students may, with the recommendation of the degree program, defer their initial semester and year of admission to the next semester for which the degree or certificate program is admitting students. No further deferrals are allowed.

## International Student Admission

International students planning to attend ASU on an F-1 student visa or a J-1 exchange visitor visa must provide documentation required by the United States Citizenship and Immigration Services. Visa documents are only issued for international students enrolled in a degree program or the post baccalaureate teacher education program. There are strict regulations regarding when an I-20 or DS-2019 can be issued. Detailed information may be found at: [students.asu.edu/international/immigration](https://students.asu.edu/international/immigration).

## Registration and Enrollment

All students are required to have proof of measles immunizations on file with [Student Health](#) prior to registration.

Graduate students register through MyASU according to their enrollment appointment. Details regarding registration and course drop/add procedures are provided in the [Registration and Tuition Payment Guide](#).

## Enrollment Verification Guidelines

The University’s Registrar’s Office will verify student enrollment each semester according to the general guidelines that follow.

### Enrollment Verification Guidelines for Graduate Students

	Full Time*	Half Time	Less Than Half Time
<b>Regular Semester</b>			
Graduate	9 or more hours	5-8 hours	4 or fewer hours
Graduate Assistant**	6 or more hours	--	--
<b>Six-Week Summer Sessions</b>			
Graduate	3 or more hours	2 hours	1 hour
Graduate Assistant**	2 or more hours	1 hour	--
<b>Eight-Week Summer Session</b>			
Graduate	5 or more hours	3-4 hours	2 or fewer hours

\*Audited courses do not count toward full-time enrollment

\*\*For enrollment verification purposes, “Graduate Assistant” is a generic term that includes Teaching Assistants, Research Assistants, Teaching Associates and Research Associates. **Academic units may have specific**



**requirements regarding registration requirements for Graduate Assistants; students should consult with their degree program unit.**

**International F-1 and J-1 students are required to maintain full-time enrollment status.** Any exception to full-time enrollment must be previously approved by the [International Student and Scholars Center \(ISSC\)](#).

## Maximum Course Load

The Graduate College does not have a maximum credit hour enrollment policy. It is expected that academic units will set course loads for their students that facilitate academic success.

## Continuous Enrollment

Once admitted to a graduate degree program or graduate certificate program, students must be registered for a minimum of one credit hour during all phases of their graduate education, including the terms in which they are admitted and graduate. This includes periods when students are engaged in research, conducting a doctoral prospectus, working on or defending theses or dissertations, taking comprehensive examinations, taking Graduate Foreign Language Examinations or in any other way utilizing university resources, facilities or faculty time.

Registration for every fall semester and spring semester is required. Summer registration is required for students taking examinations, completing culminating experiences, conducting a doctoral prospectus, defending theses or dissertations or graduating from the degree program.

To maintain continuous enrollment, the credit hour(s) must:

- ✦ Appear on the student's *Interactive Plan of Study*, OR
- ✦ Be research (592, 792), thesis (599), dissertation (799), or continuing registration (595, 695, 795), OR
- ✦ Be a graduate-level course.

Grades of "W" and/or "X" are not considered valid registration for continuous enrollment purposes. "W" grades are received when students officially withdraw from a course after the drop/add period. "X" grades are received for audit courses. Additionally, students completing work for a course in which they received a grade of "I" must maintain continuous enrollment as defined previously. Graduate students have one year to complete work for an incomplete grade; if the work is not complete and the grade changed within one year, the "I" grade becomes permanent and will remain on the students' transcripts. Additional information regarding incomplete grades can be found at [asu.edu/aad/manuals/ssm/ssm203-09.html](http://asu.edu/aad/manuals/ssm/ssm203-09.html).

## Graduate Appointments

All Graduate Teaching Assistants and Associates (TAs), and Graduate Research Assistants and Associates (RAs) must register for a minimum of six semester hours of appropriate credit during each academic term of their appointment. The six hours cannot include audit enrollment. **Academic units may have specific requirements regarding RA/TA appointments; students should consult with their degree program unit.**

TAs and RAs are treated as residents for tuition purposes. To be eligible for tuition remission, TAs and RAs must be employed a minimum of 10 hours per week (25 percent Full Time Equivalency {FTE}). TAs/RAs working 10-19 hours per week (25-49 percent FTE) receive a 50 percent remission of tuition for the semester or summer session of their employment. TAs/RAs working 20 hours per week (50 percent FTE) do not pay tuition during the semester or summer session of their employment. In addition, the university pays the individual health insurance premium for those TAs and RAs working 20 hours per week (50 percent FTE).

Due to federal regulations, international students on F-1 and J-1 visas are allowed to work a maximum of 20 hours per week while school is in session (fall and spring semesters). International students are allowed to work 40 hours per week during summer sessions with academic unit approval. International students typically are not allowed to seek employment outside the university; students must consult with the International Student and Scholars Center (ISSC).

Detailed information and application procedures regarding Graduate Assistantships can be found at [graduate.asu.edu/financing/tara](https://graduate.asu.edu/financing/tara).

## Leaves of Absence

Graduate students planning to discontinue registration for a semester or more must submit a [Leave of Absence request via their Interactive Plan of Student \(iPOS\)](#). This request must be submitted and approved before the anticipated semester of non-registration. Students may request a maximum of two semesters of leave during their entire program. Having an approved *Leave of Absence* by the Graduate College will enable students to re-enter their program without re-applying to the university.

**Students who do not register for a fall or spring semester without an approved Leave of Absence are considered withdrawn from the university under the assumption that they have decided to discontinue their program.** Students removed for this reason may reapply for admission to resume their degree program; the application will be considered along with all other new applications to the degree program.

Students with a Graduate College approved *Leave of Absence* are not required to pay tuition and/or fees, but in turn are not permitted to place any demands on university faculty or use any university resources. These resources include university libraries, laboratories, recreation facilities or faculty and staff time.

## Voluntary Withdrawal from ASU

Students who wish to withdraw from their graduate degree or certificate program and the university must complete and submit a [Voluntary Withdrawal form](#). Students must separately complete the appropriate forms with the University Registrar to withdraw from their courses. International students should contact the [International Student and Scholars Center \(ISSC\)](#) before submitting a *Voluntary Withdrawal* form, as it most likely will affect their visa status.

## Voluntary Withdrawal from a Graduate Degree or Certificate Program

Students who wish to transition from one graduate program to another graduate program should complete and submit a [Voluntary Withdrawal form](#). Students should not take this action until they have been admitted to the other graduate degree program.

## Other Types of Withdrawal

There are appropriate circumstances when students may need to withdraw from the university (i.e. medical withdrawal, compassionate leave). The policies for such withdrawals are the same for both undergraduate and graduate students. Types of withdrawals and procedures can be found at: [students.asu.edu/drop-add](https://students.asu.edu/drop-add). For course withdrawals contact the University Registrar's Office.

## Academic Dismissals by the Graduate College

Students who do not comply with Graduate College policies may be withdrawn from their graduate program after review by the Dean of the Graduate College.

In addition, academic units may recommend withdrawal of students from graduate programs for lack of compliance with published departmental policies or lack of satisfactory academic progress. All such recommendations must be submitted to the Graduate College with appropriate documentation (e.g., nature of issue, communications with student). Only the Dean of the Graduate College may withdraw students from a graduate program due to lack of compliance with satisfactory academic progress policies.

Students who have been withdrawn from a graduate program due to lack of compliance with published departmental or Graduate College policies, or lack of satisfactory academic progress are eligible to apply for admission to the same program only after one year has passed from the term of the withdrawal.

Students who have been withdrawn from a graduate program due to an Academic Integrity violation are not eligible for readmission to Arizona State University.

### Grade Point Averages

**GPA (Grade Point Average)** Graduate students must maintain a minimum 3.00 (scale is 4.00 = "A") grade point average (GPA) to maintain satisfactory academic progress and to graduate. The minimum 3.00 GPA must be maintained on all GPA's (Plan of Study (iPOS) GPA, Overall Graduate GPA and Cumulative GPA)

1. The iPOS GPA is calculated on all courses that appear on the student's approved iPOS
2. Cumulative GPA represents all courses completed at ASU during the graduate career.
3. The Overall Graduate GPA is based on all courses numbered 500 or higher that appear on the transcript after admission to a graduate program or graduate non-degree. This includes shared coursework if in an approved accelerated bachelor's/master's program.

Transfer credits and some courses taken in the Sandra Day O'Connor College of Law are not calculated on in the iPOS GPA or the Graduate GPA.

Courses lower than a "C" cannot appear on the iPOS but will be included when calculating the Graduate GPA. Courses with an "I" grade cannot appear on the iPOS.

### Satisfactory Academic Progress

All graduate students are expected to make systematic progress toward completion of their graduate program. This progress includes satisfying the conditions listed below, and achieving the benchmarks and requirements set by the individual graduate programs as well as the Graduate College. If a student fails to satisfy the requirements of their program and/or the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to the Graduate College at which time the Dean of the Graduate College makes the final determination.

Satisfactory academic progress includes:

1. Maintain a minimum 3.00 for all GPAs.
2. Satisfy all requirements of the graduate program.
3. Satisfy the maximum time limit for graduation for the student's graduate program (six years for masters and certificates, ten years for doctoral), see "Time Limit" sections.
4. Successfully pass comprehensive exams, qualifying exams, foreign language exams, and the oral defense of the proposal/prospectus for the thesis or dissertation.
5. Successfully complete the culminating experience.
6. Graduate students must **remain continuously enrolled** in their graduate program. Failing to do so without a Graduate College approved *Leave of Absence* is considered to be lack of academic progress and may result in the Graduate College withdrawing the student from their program. See full *Leave of Absence* rules on page 9.

## Determination of Academic Requirements

Students graduate under the requirements and policies in effect at the semester and year of admission to a graduate degree program. Students that fail to maintain continuous enrollment and are re-admitted to the graduate program, graduate under the degree requirements and policies in effect at the time of the new admission date.

### Master's

A minimum of 30 credit hours of graduate-level coursework including a culminating experience is required for a master's degree, although individual programs may have higher requirements. The culminating experience may be a written comprehensive examination, a capstone course, an applied project, a written portfolio, a thesis or equivalent.

Students that have a capstone or applied project course requirement must receive a grade of "B" or better. Students who fail to achieve a final grade of "B" or better must retake the course and earn a "B" or better to complete the program.

### Doctoral

A minimum of 84 credit hours of graduate-level coursework and a written comprehensive examination are required for a doctoral degree, although individual programs may have higher requirements. Additionally, the Foreign Language Examination, oral comprehensive examination and/or dissertation or equivalent may be required. A written comprehensive examination and prospectus (research proposal) is required for all programs requiring a dissertation.

## The Interactive Plan of Study (iPOS)

The Interactive Plan of Study (iPOS) functions as an agreement between the student, the academic unit and the Graduate College. The iPOS contains certain requirements such as coursework, a committee and a culminating experience which must be included before it can be approved. The academic unit's graduate support staff should be the primary contact for questions regarding iPOS, degree and certificate requirements. The iPOS must be approved by a student's committee, the head of the academic unit, and the Dean of the Graduate College.

To facilitate program completion and shorten time to complete the program, graduate students are encouraged to complete their iPOS in their first semester. Students who have not completed their iPOS by the time they have enrolled for 50 percent of the minimum credit hours required for their degree program will receive a registration hold.

## Coursework

Graduate-level courses are those numbered 500 or higher. All core courses required by a graduate program must be at least 500-level. A maximum of 6 credit hours of 400-level coursework can be included on an iPOS with program approval. 400-level courses taken prior to admission and 400-level courses graded as "Pass/Fail" are not acceptable. Courses with grades of "D", "E", or "W" and audited courses (graded as "X") cannot be included on an iPOS. **Courses applied to a previously awarded degree cannot be included on an iPOS.**

Any course with a grade of Incomplete ("I") must be completed within one calendar year of the end of the scheduled course. If a regular grade is not assigned within the calendar year, the "I" becomes permanent. The

student will have to re-register for the course to receive credit. Additional information regarding incomplete grades may be found at [asu.edu/aad/manuals/ssm/ssm203-09.html](https://asu.edu/aad/manuals/ssm/ssm203-09.html).

Graduate students may register to audit one or more courses with the approval of the supervisory committee chair and the consent of the instructor involved. An audited course does not count toward the minimum number of credits required for international students with visa restrictions, students employed as TA/RAs, or students receiving financial assistance. Courses taken for audit do not satisfy the Graduate College continuous enrollment policy. Undergraduate courses not included on the iPOS do not satisfy the Graduate College continuous enrollment policy.

Master's degree students whose culminating experience is a thesis must include 6 (and only 6) credit hours of 599 Thesis credits on the iPOS. Doctoral students whose culminating experience is a dissertation must include 12 (and only 12) credit hours of 799 Dissertation credits on the iPOS. Thesis and Dissertation credit hours may only receive grades of "Z" (research is in progress), or "Y" (research is satisfactorily complete). Doctoral students may apply up to 30 credit hours of appropriate coursework from a previously awarded master's degree toward their doctoral plan of study with approval of their academic unit and the Graduate College.

## Petitions

A formal request for an exception to any Graduate College policy requires a petition to be completed by the student, and must be approved by the committee chair and the head of the academic unit. The Graduate College office will review the petition and make a final determination.

## ASU Pre-Admission Credit

### Pre-Admission Credits

Credit hours completed at ASU or at another regionally accredited U.S. institution or international institution officially recognized by that country, before the semester and year of admission to an ASU graduate degree program, are considered pre-admission credits. With the approval of the academic unit and the Graduate College office, students may include a maximum of 12 graduate-level credit hours with grades of "B" or better that were not used towards a previous degree. Preadmission credits must have been taken within three years of admission to the ASU degree or certificate program to be accepted.

Accelerated Bachelor's/Master's programs may use a maximum of 12 pre-admission credits which may include up to a maximum of 12 hours shared between the Bachelor's and Master's program. Students in accelerated programs should contact their advisor to ensure proper sharing of credit hours.

Official transcripts must be sent to Graduate Admission Services from the records office of the institution where the credits were earned.

Certain types of graduate credits cannot be transferred to ASU, including credits awarded:

- ✦ By post-secondary institutions that lack candidate status or accreditation by a regional accrediting association, or an equivalent international institution.
- ✦ For life experience.
- ✦ For courses taken at non-collegiate institutions (e.g., government agencies, corporations, and industrial firms).
- ✦ For courses, workshops and seminars offered by other postsecondary institutions as part of continuing education programs.

⤴ For extension courses.

Academic credits earned at institutions other than ASU that base their credit calculation on a different scale from ASU's are subject to conversion before inclusion on the *Interactive Plan of Study*. In all cases, the inclusion of transfer courses on the *Interactive Plan of Study* is subject to approval by the academic unit and the Dean of the Graduate College.

## Graduate Credits Earned by ASU Undergraduate Students

ASU students enrolled in an approved Accelerated Bachelor's/Master's degree program (commonly referred to as 4+1), may share ASU credit hours. Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours. Bachelors/Master's students may earn up to a maximum of 12 graduate credits during their undergraduate degree to be used later towards a master's degree.

An undergraduate degree and a graduate degree may not be awarded during the same term of enrollment. Students must apply, be admitted and registered as graduate students to earn a master's or doctoral degree at ASU.

Students that are not enrolled in an approved Bachelor's/Master's degree program are not eligible to utilize courses earned during the undergraduate degree program for a graduate degree.

## Sandra Day O'Connor College of Law Credit

The Graduate College accepts a numerical grade of 70 or above for courses taken in the ASU Sandra Day O'Connor College of Law as part of an approved *Plan of Study*. These grades are not used in the two GPAs calculated for graduation unless needed, as determined by the Graduate College. The Sandra Day O'Connor College of Law also utilizes a letter grade system for coursework; letter grades are submitted as part of an approved *Plan of Study* and are calculated in the GPAs.

## Repeating ASU Courses

Graduate students (degree or non-degree) may retake any course at ASU; however, all grades are part of the students' permanent academic record, remain on the transcript and are used in all GPA calculations.

## Graduate Foreign Language Examination (FLE)

Graduate programs may require at least a reading level proficiency of a foreign language relevant to the area of study. Students who are required to demonstrate proficiency in a foreign language must pass the [Graduate Foreign Language Examination](#) specific to their particular graduate program. Students must be enrolled for a minimum of one credit hour during the term in which they take the examination.

Students must successfully complete the Foreign Language Examination before taking any required comprehensive examinations or scheduling the final oral defense of the thesis or dissertation. Students may submit a petition to the Graduate College for a re-examination but must pass the examination in no more than three attempts.

# Master's Degree

## Master's Degree Plan of Study (iPOS)

Students must submit an iPOS before completing 50 percent of the credit hours required for their degree program. Students are not eligible to schedule a comprehensive examination or defense without an approved iPOS.



## Master's Degree Minimum Credit Hours

A minimum of 30 semester hours of graduate work is required for a master's degree at ASU. If a thesis is required, 6 (and only 6) of the minimum required credit hours on an iPOS must be 599 Thesis credits. *Interactive Plans of Study* submitted for master's degrees that do not have a thesis requirement cannot include 599 Thesis credits. If an applied project is required, the Applied Project course (XXX 593) must be included on the *Interactive Plan of Study* and requires a grade of "B" or better.

## Master's Degree Maximum Time Limit

All work toward a master's degree must be completed within six consecutive years. The six years begin with the semester and year of admission to the program. Graduate courses taken prior to admission that are included on the *Interactive Plan of Study* must have been completed within three years of the semester and year of admission to the program.

## Master's Degree Supervisory Committee

A master's supervisory committee must be appointed before the student may apply for the comprehensive examination or before the student can register for 599 Thesis credits (if applicable). The committee is appointed by the Dean of the Graduate College upon the recommendation of the head of the academic unit. For programs requiring a thesis or written examination, the supervisory committee is comprised of a minimum of three members, including a chair or two co-chairs.

Tenured/tenure-track faculty may serve as members of a master's graduate supervisory committee, chair or co-chair. The chair of the committee is typically from the student's degree program and should be carefully selected by the students to guide their work. ASU academic professionals or non-tenure accruing faculty with appropriate academic credentials may serve as members or co-chairs on master's committees; they may not serve as chairs of master's supervisory committees.

## Master's Thesis/Thesis Defense

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress" (pg. 11)) prior to scheduling a defense.

To satisfy the research requirement for master's degrees, students are expected to present a thesis that is defended in a public oral examination. Degree programs may have requirements in addition to the thesis (e.g. comprehensive examinations). Students should check with their degree program to confirm requirements. An oral defense of the thesis is required and must be completed to the satisfaction of the supervisory committee. The defense must be scheduled officially with the Graduate College. Defenses that are held without being scheduled with the Graduate College are considered invalid. At least 50% of the committee must be physically present at the oral defense. Students must be physically present at the oral defense of their thesis. A virtual defense option is only available to students in approved online programs. Students must be registered for:

- ⤴ At least one semester hour of credit that appears on the *Interactive Plan of Study*; OR
- ⤴ At least one semester hour of appropriate graduate-level credit, for example: Research (592), Thesis (599), or Continuing Registration (595 or 695); OR

Students who are required to complete a thesis as part of their graduate program must submit their document to the Graduate College for format review. See: <https://graduate.asu.edu/completing-your-degree/format>.

Revisions to the thesis are typical and must be completed in a timely manner. If students are unable to complete revisions to the thesis and submit to UMI/ProQuest by the deadline for the semester in which the defense is held, they must complete the revisions, remain continuously enrolled and present the final document to



UMI/ProQuest within one year of the defense. Failure to do so will require the re-submission of the document for format review and may result in re-defense of the thesis to ensure currency of the research.

## Other Master's Culminating Experiences

A written comprehensive examination, capstone course, applied project or written portfolio is required as a culminating experience in master's programs that do not have a thesis requirement. The Graduate College office requires a written component to the comprehensive examination; academic units may also require an oral component. Students must have an approved iPOS prior to scheduling their comprehensive examination and/or registering for their applied project or capstone course. An applied project requires registration in the Applied Projects course (XXX 593) and requires a grade of "B" or better. A capstone course requires a grade of "B" or better.

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress" pg. 11) in the semester of the culminating experience.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they complete their culminating experience.

## Master's Comprehensive Examination

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress") prior to taking master's comprehensive examinations. Foreign language requirements, if applicable, must be fulfilled before taking the comprehensive examinations.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they take their comprehensive examinations. If the date of defense falls between semesters, the student is required to register for the next available semester.

The master's comprehensive examination must have a written component; however, individual master's degree programs may require an additional oral component of the comprehensive exam for all of their students based on the academic progress policy of the program.

Students must schedule the comprehensive examination with their academic unit. All comprehensive examination results must be reported to the Graduate College office via the students' iPOS immediately upon completion.

Failing the comprehensive examination(s) is considered final unless the supervisory committee and the head of the academic unit recommend, and the Dean of the Graduate College approves, a re-examination. **Only one re-examination is permitted.** A petition with substantial justification for re-examination, endorsed by the members of the students' supervisory committee and the head of the academic unit, must be approved by the Dean for the Graduate College before students can take the examination a second time.

Re-examination may be administered no sooner than three months and no later than one year from the date of the original examination. The Graduate College office may withdraw students from the degree program if the students' petition for re-examination is not approved, or if the students fail to successfully pass the retake of the comprehensive examination(s).

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit.

Students that have received a final result of failure in the comprehensive examination will be recommended for dismissal by the Academic Unit.

## Doctoral Degree

### Doctoral Degree Interactive Plan of Study (iPOS)

Students must submit an iPOS before completing 50 percent of the credit hours required for their degree program. Students are not eligible to apply for the Foreign Language Examination (if applicable), comprehensive examinations, dissertation proposal/prospectus or dissertation defense (if applicable) without an approved iPOS.

### Doctoral Degree Minimum Credit Hours

A minimum of 84 semester hours of graduate work is required for a doctoral degree at ASU. If a dissertation is required, 12 (and only 12) of the minimum required credit hours on an *Interactive Plan of Study* must be 799 Dissertation credits. *Interactive Plans of Study* submitted for doctoral degrees that do not have a dissertation requirement cannot include 799 Dissertation credits. Students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral *Interactive Plan of Study* with approval of the program and supervisory committee and the Dean of the Graduate College.

### Doctoral Degree Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period begins with the semester and year of admission to the doctoral program. Graduate courses taken prior to admission that are included on the iPOS must have been completed within three years of the semester and year of admission to the program (previously awarded master's degrees used on the *Interactive Plan of Study* are exempt).

Any exception to the time limit policy must be approved by the supervisory committee, the head of the academic unit and the Dean of the Graduate College. The Graduate College may withdraw students who are unable to complete all degree requirements and graduate within the allowed maximum time limits.

### Doctoral Degree Supervisory Committee

Upon the recommendation of the head of the academic unit, the Dean of the Graduate College appoints the student's dissertation committee. The committee must be comprised of at least three members, including either a chair or two co-chairs. Doctoral programs may have additional requirements for committee composition. This committee serves as the intellectual guide for students and must approve the research/scholarly focus and substance of the dissertation. The members of the dissertation committee have the necessary knowledge and skills to advise the student during the formulation of the research topic and during the completion of the research and the dissertation.

Dissertation chairs and co-chairs must be approved by the Dean of the Graduate College and each degree program maintains the list of faculty approved by the office for the Graduate College. Most resident faculty at ASU may serve on dissertation committees with the proviso that they have appropriate expertise in the discipline.

All PhD programs have a [Graduate Faculty](#). The Graduate Faculty in a PhD program may also include highly qualified individuals from outside the university who have been approved to serve on committees. Each PhD program maintains the list of faculty approved by the Graduate College to chair or co-chair PhD dissertations. Additional information regarding ASU Graduate Faculty can be found at [graduate.asu.edu/graduate\\_faculty\\_initiative](https://graduate.asu.edu/graduate_faculty_initiative).

Doctoral students (including PhD, DMA, DBH, DNP, DBA, AuD and EdD) are urged to communicate with their academic unit to confirm eligibility of faculty to chair doctorate committees.

The final committee membership must be appointed by the Dean of the Graduate College before the student may apply for comprehensive examinations, defend the dissertation prospectus, and register for 799 Dissertation course credits (if applicable).

## Doctoral Comprehensive Examination

Students must be in good academic standing regarding GPA requirements (see previous section titled “Satisfactory Academic Progress” pg. 11) prior to taking doctoral comprehensive examinations.

When students have essentially completed the coursework on an approved *Interactive Plan of Study*, they must request permission to take the doctoral comprehensive examination. The doctoral comprehensive examination must have a written component; however individual doctoral programs may require an additional subsequent oral component of the comprehensive exam for all of their students based on the academic progress policy of the program. These examination(s) are designed to assess students’ mastery of the field of specialization. Doctoral comprehensive examination(s) are administered by a committee consisting of a minimum of three members.

Foreign language requirements, if applicable, must be satisfied before taking the comprehensive examination(s).

During the fall, spring or summer session that the student takes the comprehensive examination(s), they are required to register for:

- ✦ At least one semester hour of credit that appears on the *Interactive Plan of Study*; OR
- ✦ At least one semester hour of appropriate graduate-level credit, for example: Research (792), Dissertation (799), or Continuing Registration (795); OR

All comprehensive examination results must be reported to the Graduate College office immediately upon completion.

Failing the comprehensive examination(s) is considered final unless the supervisory committee and the head of the academic unit recommend, and the Dean of the Graduate College approves, a re-examination. Only one re-examination is permitted. A petition with substantial justification for re-examination, endorsed by the members of the students’ supervisory committee and the head of the academic unit, must be approved by the Dean of the Graduate College before students can take the examination a second time. Re-examination may be administered no sooner than three months and no later than one year from the date of the original examination.

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit.

Students that have received a final result of failure in the comprehensive examination should be recommended for dismissal by the Academic Unit.

## Doctoral Prospectus Defense

All programs requiring a Dissertation are required to complete a dissertation proposal/prospectus and submit the results to the Graduate College office via the students' *Interactive Plan of Study*. Failure of the doctoral dissertation prospectus oral defense is considered final unless the supervisory committee and the head of the academic unit recommend, and the Dean of the Graduate College approves, a second proposal defense. If a petition is approved, students must submit the new prospectus by the end of six months (the six months begins from the date that the first doctoral dissertation proposal defense was held). If the academic unit does not grant the students permission to retake the proposal defense, or if the students fail to pass the retake of the proposal defense, the Graduate College may withdraw the students from the degree program.

Students are required to register for at least one semester hour of credit that appears on the *Interactive Plan of Study* or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they conduct their doctoral prospectus.

## Doctoral Candidacy

Doctoral students (with specific degree program exceptions approved by the Dean of the Graduate College) achieve candidacy status upon the successful completion of the comprehensive examination(s), the Foreign Language Examination (if applicable), and successfully defending the dissertation prospectus (if applicable). Doctoral students who have been advanced to candidacy are required to maintain continuous enrollment until all degree requirements have been completed and they have graduated.

## Doctoral Dissertation/Dissertation Defense

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress" pg.11) prior to scheduling the defense.

The written doctoral dissertation is based on an original and substantial scholarly work that constitutes a significant contribution to knowledge in the students' discipline. The dissertation research must be conducted during the time of the students' doctoral studies at ASU, under guidance of ASU Graduate Faculty and in accordance with the Graduate College policies and procedures. The composition of the dissertation is defined by the degree program with the approval of the Dean of the Graduate College.

The dissertation research experience culminates in a final oral exam, commonly known as the "dissertation defense." A final public dissertation defense is required. The defense must be scheduled officially with the Graduate College. Defenses that are held without being scheduled with the Graduate College are considered invalid. At least 50% of the committee must be physically present at the oral defense. Students must be physically present at the oral defense of their dissertation. A virtual defense option is only available to students in approved online programs. During the semester that the students defend the dissertation they are required to register for:

- ⤴ At least one semester hour of credit that appears on the *Interactive Plan of Study*; OR
- ⤴ At least one semester hour of appropriate graduate-level credit, for example: Research (792), Dissertation (799), or Continuing Registration (795); OR

Students who are required to complete a dissertation or bound document (DMA's) as part of their graduate program must submit their document to the Graduate College for format review. See:

<https://graduate.asu.edu/completing-your-degree/format>.

Revisions to the dissertation are typical and must be completed in a timely manner. If students are unable to complete revisions to the document and submit to UMI/ProQuest by the deadline for the semester in which the defense is held, they must complete the revisions, remain continuously enrolled and present the final document

to UMI/ProQuest within one year of the defense. Failure to do so will require the re-submission of the document for format review and may result in re-defense of the dissertation to ensure currency of the research.

## Other Graduate Educational Opportunities

### Graduate Certificates

The graduate certificate is a programmatic series of linked courses. Graduate certificates facilitate professional growth for people who already hold the baccalaureate degree. For more information on current graduate certificates see the [Graduate Degree and Certificate Search](#) page.

### Certificate Admission

All applications for graduate certificate programs must be submitted through [asu.edu/gradapp](http://asu.edu/gradapp).

### Certificate Requirements

A minimum of 15 semester hours of graduate work is required to complete a graduate certificate. No more than one-fifth (20 percent) of the minimum required credit hours for a graduate certificate may be transferred from another university. All transfer work must meet the Graduate College transfer policies. All coursework used to complete an ASU graduate certificate must be completed within a six-year time limit. Courses at a 400-level may be allowed with prior approval from the appropriate certificate program; however, a minimum of two-thirds of the courses taken to complete the certificate must be at the 500-level or above. No more than 40% of coursework towards the requirements of a graduate certificate can be completed prior to admission to the certificate program. Credit hours earned in a certificate program may also be used towards a degree program, standard preadmission rules apply.

### Awarding of a Graduate Certificate

Students will be eligible for the official posting of the graduate certificate to their transcripts when all applicable coursework has been successfully completed and Graduate College requirements have been met. Students must submit an *Interactive Plan of Study* for the graduate certificate program, and apply for graduation.

### Concurrent Degrees

Students may pursue concurrent degrees, provided the degree programs are graduate level and in different academic areas, with prior written approval from the head of the academic unit for each degree program and the Graduate College. A separate online application is required for each degree program, except in the case of predefined concurrent programs. For concurrent master's programs, a maximum of 20 percent of the minimum total credit hours for the completion of both degrees may be shared. For concurrent programs that include a doctoral program, a maximum of 12 credit hours may be shared. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College has formally approved coordinated degree programs.

Coursework common to both programs must constitute a well-planned and meaningful part of each of the programs and may only include coursework completed after admission to both degree programs. In all cases, the guidelines below must be followed:

1. Students must maintain continuous enrollment as previously defined. Registration in both programs *may* be required each semester. Please see the academic unit for specific satisfactory academic progress and program rules. Leaves of Absence will apply to both programs; students may not be registered for coursework in either program if approved.
2. Graduate credit transferred from another institution may be applied toward only one-degree program.

3. Culminating experiences (e.g. capstone courses, theses, applied projects) and comprehensive examinations cannot be shared between concurrent degree programs.
4. The 30 blanket hours allowed for doctoral programs from a previously awarded master's degree may only be applied to one of the doctoral programs.
5. The maximum time limit for completing degree requirements and graduation apply to each concurrent degree individually (6 years for master's; 10 years for doctoral).

## Master's in Passing (MIP)

Where there is an approved Master's in Passing (MIP) program in place for a doctoral degree, those doctoral students who complete the requirements of the approved MIP may be awarded the related master's degree. Students should check with their doctoral program to see if there is an approved MIP for their degree. Students with an existing master's degree with the same major are not eligible.

Students who include any blanket hours from a previously awarded master's degree on their doctoral *Interactive Plan of Study* are not eligible for a Master's in Passing. All coursework included in an MIP *Interactive Plan of Study* must have been completed after the semester and year of admission to the doctoral program.

## Accelerated Bachelor's/Master's Programs

ASU allows for the simultaneous pursuit of an undergraduate and graduate degree in certain pre-approved programs. In such cases, the program must be approved by the Dean of the Graduate College. The undergraduate students must meet the accelerated program admissions requirements and be granted consent to complete up to complete 12 credits of graduate coursework. Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours.

Students may not share any credit hours taken as an undergraduate student unless they are participating in an approved accelerated program pairing (Bachelor's/Master's). Students must meet minimum admissions standards to be admitted to the Master's portion of the accelerated program.

## Research Considerations

The master's thesis and doctoral dissertation (or equivalent) must be based on original and independent research/creative activity conducted by students, under the guidance of the graduate supervisory committee. The thesis is an introduction to scholarly writing and is intended to create an understanding of theory and methods applicable to one's field. The dissertation should demonstrate the candidates' mastery of research and scholarly methodologies, theory and tools of the discipline. Both the thesis and dissertation should demonstrate the candidates' ability to address a major intellectual problem and to propose meaningful questions and hypotheses, as well as utilize the methods with which to study the proposed research question(s) and related hypotheses, and draw conclusions.

## Supervisory Committees

Students are guided by faculty mentors who advise them through their degree program. Students should identify their advisors early in their graduate career and look to them for guidance in their graduate work. Once



students have selected a supervisory committee, the head of the academic unit recommends the supervisory committee to the Dean of the Graduate College who reviews and appoints the Committee. Graduate supervisory committees must consist of a minimum of three individuals, including a chair or two co-chairs.

Faculty Emeriti who meet the Graduate College criteria may serve as members or co-chairs on graduate supervisory committees. They may serve as chairs with the recommendation of the academic unit and approval of the Dean of the Graduate College on a case by case basis. Qualified individuals outside the university, upon the recommendation of the head of the academic unit and approval of the Graduate College, may serve as members of supervisory committees. All such requests must be submitted to the Dean for Graduate College for approval.

## Research Involving Human and Animal Subjects

Theses or dissertations that make use of research involving human or animal subjects must include a statement indicating that the research has been approved by the appropriate university body.

Research involving human subjects conducted under the auspices of Arizona State University is reviewed by the University Human Subjects Institutional Review Board (IRB) in compliance with federal regulations. Documents containing any data collection from human subjects require that applications be submitted to the ASU Office of Research Integrity and Assurance for approval **before** data collection or recruitment of subjects is initiated at [researchintegrity.asu.edu/humans](https://researchintegrity.asu.edu/humans).

Research involving the use of animals conducted under the auspices of Arizona State University is reviewed by the Institutional Animal Care and Use Committee (IACUC) in compliance with federal regulations. Documents containing any data collection from animal research require that applications be submitted to ASU Office of Research Integrity and Assurance for approval at [researchintegrity.asu.edu/animals](https://researchintegrity.asu.edu/animals).

It is very important that students check with their supervisory committee or chair well in advance of data collection to ensure compliance with university regulations regarding the collection of research data. Students who are required to submit their document through Graduate College format review must attach the IRB (or IACUC) approval as an appendix to their document.

## Thesis/Dissertation Defenses

Thesis and dissertation defenses are open to all members of the university community and the general public. The oral defense engages the supervisory committee and the candidate in a critical and analytical discussion of the research and findings of the study, as well as a review of the contribution of the research topic to advancing knowledge in that discipline. The presentation of a thesis or dissertation defense in an open forum fosters a broader awareness of the state of graduate research at ASU, promotes a wider scholarly dialogue among disciplines, and recognizes publicly the scholarly contributions of master's or doctoral candidates.

Defenses must be scheduled through MyASU at least 10 working days in advance of the defense date. It is expected that oral defenses will be held on an ASU campus during regular business hours in order to facilitate student, faculty, and public accessibility. When there are sound educational reasons for holding a defense under different circumstances, contact the Graduate College for approval **before** scheduling the defense.

Students must be physically present at the oral defense of their thesis, dissertation or equivalent document. If, due to unforeseen circumstances, they cannot be physically present, then the oral defense must be rescheduled to another date when they can be physically present. A virtual defense option is only available to students in approved online programs.

It is desirable that all members of a student's supervisory committee be physically present with the student at the final oral defense of a thesis or dissertation. However, there are situations (e.g. faculty travel, faculty emergencies and/or faculty leave) that may necessitate holding a defense with one or more committee member(s) absent. In all cases at least 50% of the committee must be physically present. If a committee member cannot physically attend, they can tele/video conference, or they can appoint a substitute to attend in their place. The substitute should be a regular faculty member with the academic unit. The supervisory committee chair must be physically present; if there are two co-chairs, one of them may tele/video conference if needed. In either case, please email [grad-gps@asu.edu](mailto:grad-gps@asu.edu) with the student's ID number and the name of the tele/videoconferencing member or with the names of the member who will be absent and the faculty member who will attend as a substitute. This information must be submitted **before** the defense.

## *Degree Completion*

The final culminating experiences for graduate degrees vary by program. In many master's degree programs a thesis is required, in other programs the culminating experience is an applied project, capstone, written comprehensive exam or portfolio. In all PhD programs, as well as in most professional doctoral programs, dissertations are required. Theses and dissertations are officially documented and archived in the ASU Digital Repository. Theses and dissertations are submitted to UMI/ProQuest, which makes their content available to the public. Information on the dissertation later appears in *Dissertation Abstracts International*. For this reason, all theses and dissertations must undergo Graduate College format review.

### **Scheduling a Defense and Format Review**

At least 10 working days prior to the planned defense of a thesis, dissertation or equivalent, students schedule the defense through their MyASU. See [Graduation Deadlines](#). Students work with their supervisory committee and the academic unit's graduate support staff to identify a suitable date and reserve a room. When a defense date and location have been identified and the defense has been scheduled through MyASU, students submit a complete draft copy of the thesis/dissertation to be defended by uploading the document to their *Interactive Plan of Study*. The defense will be published on the Graduate College [Master's/Doctoral Defense Schedule](#) website.

The [Format Manual](#) is a comprehensive guide to formatting a thesis, dissertation or equivalent document and it always overrides a style guide if the two conflict. Students must use the *Format Manual* to prepare their thesis/dissertation. Questions regarding the *Format Manual* requirements should be directed to [gradformat@asu.edu](mailto:gradformat@asu.edu).

The Graduate College's [Formatting Tool](#) uses the *Format Manual* guidelines to generate a template into which students can insert their document's text. The formatting tool is designed to help students with the basic format requirements such as margins and spacing, and greatly improves the format review process for students.

### **UMI/ProQuest Submission**

Students are required to create a new user account specific to the submission of their document, and must use their ASU email address. UMI/ProQuest requires all students to submit a PDF version of their final document. The Graduate College requires that the PDF document is in compliance with the formatting standards presented in the format manual. Students will receive final format approval only after the submitted PDF document has successfully passed a format review. Students have an opportunity to order bound copies of their document for themselves through UMI/ProQuest. The Final Document will also appear archived in the ASU Digital Repository: <https://repository.asu.edu>.



## Graduation

Students must apply for graduation through MyASU in accordance with the University Registrar policies. See [Application for Graduation](#). Students must meet all University and Graduate College degree requirements prior to the conferral of their degree or awarding of their certificate.

The graduation deadlines and procedures are set by the Graduate College and are available online at [graduate.asu.edu/progress/graduation\\_deadlines](https://graduate.asu.edu/progress/graduation_deadlines). Deadline dates vary slightly depending on the calendar year, so students should check them carefully in advance of the semester they plan to defend their thesis/dissertation. It is very important that students become familiar with these deadlines so that graduation can occur during the expected term.

# College policies

## W. P. Carey School of Business policies

The W. P. Carey School of Business is one of the largest and highest-ranked business schools in the country, repeatedly lauded by publications like The Wall Street Journal, Financial Times, The Princeton Review and U.S. News & World Report. The school is internationally regarded for its leadership in business education, its research productivity and its distinguished faculty that includes a Nobel Prize winner. Students come from all over the world, and among them are dozens of National Merit Scholars.

The school's academic choices are as diverse as they are abundant. Undergraduates can earn a BS in one of nine business disciplines or a BA that combines core business classes with a concentration outside the W. P. Carey school. Its programs of study reflect and respond to the demands of business and industry today and beyond, and the school has dedicated career placement services. The school is located in the heart of the fast-growing Phoenix metropolitan area, which provides opportunities for internships, employment, and networking, and its classes are offered on ASU's Tempe, Polytechnic and West campuses as well as online.

More information is available at [wpcarey.asu.edu](http://wpcarey.asu.edu) [1].

## Academic integrity

### Academic dishonesty

The faculty of the W. P. Carey School of Business follow the guidelines on academic dishonesty in the ASU Student Academic Integrity policy. A copy of the policy may be obtained online [2].

The W. P. Carey School of Business honor code may be found online [3]. Additional resources and information may be found at the W. P. Carey Academic Integrity website [4].

## Undergraduate policies

### Academic standing

#### Probation

All business students, freshman through senior, must maintain a minimum 2.00 GPA for all courses completed at ASU in order to remain in academic good standing. If this standard is not maintained, the student is placed on university academic probation.

Students on university academic probation must see an advisor before further registration and must do one of the following:

1. raise their ASU cumulative GPA to 2.00 or more in order to return to academic good standing
2. obtain a semester GPA of 2.50 with no grade less than a "C" in order to be granted one additional semester on continued college probation, and at the end of the continued college probation must return to academic good standing (with a minimum cumulative ASU GPA of 2.00) to avoid disqualification

**W. P. Carey continued probation:** If a student's ASU cumulative GPA is still less than 2.00 at the end of the probationary semester but the student has earned a semester GPA of 2.50 or greater with no grades less than "C", the student will be placed on CONTINUED PROBATION in the subsequent semester. The student will then have only one more semester to raise the ASU cumulative GPA to 2.00 or greater.

**ASU continued probation:** If a student's ASU cumulative GPA is still less than 2.00 at the end of the probationary semester but the student has earned a semester GPA of 2.00 or greater with no grades less than "C", the student will be placed on CONTINUED PROBATION with ASU but will be INELIGIBLE to remain in W. P. Carey as a business student. The student will have to change to a major that is not offered through W. P. Carey.

## Disqualification

A student who does not meet college probation requirements is academically disqualified and is not allowed to register in a fall or spring semester at the university. If the student has already enrolled in a future fall or spring semester, the student will be dropped from those courses and the registration will be cancelled. Disqualified students may attend ASU during the summer session only immediately following the semester in which the student is disqualified.

A disqualified student must wait for one year to apply for readmission to ASU, and if the student intends to return to the W. P. Carey School of Business they may do so only after completing the following eight skill courses, or the equivalent, with a minimum GPA of 3.00 and with no grade less than "C": ACC 231/232, ACC 241/242, CIS 105, ECN 211, ECN 212, ECN 221, MAT 210 and MAT 211.

Disqualified students should contact their academic advisor immediately to determine what is needed to earn readmission to the university in the future.

## Advising

W. P. Carey offers undergraduate program academic advising at the Polytechnic, Tempe and West campuses. Students may find personalized advising information and may schedule appointments in advance through Advising SOS [5].

Students are encouraged to schedule appointments each semester to ensure they are making progress toward their degrees. Advising is required for:

- newly admitted students, prior to enrollment for the first term (at orientation)
- first-year students, prior to enrollment for the second term
- seniors, upon completion of 87 or more credit hours
- any student who is off track in regard to eAdvisor tracking requirements
- any student who is on university academic probation
- disqualified students interested in attending ASU in the future

Additional information regarding academic advising is available online [6] or through the W. P. Carey School of Business undergraduate programs office at 480-965-4227.

## Credit/registration

### Pass/fail

Business majors may not enroll on a pass/fail basis in any course required for graduation. Pass/fail credits taken at another institution may be petitioned for use but only if the student can demonstrate proof that the pass grade was equivalent to a "C" (2.00) or more.

### Transfer credit

Credit from other institutions is accepted subject to the following guidelines:

Students planning to take their first two years of coursework at a community college or another four-year college should plan to take business and economics courses that are offered as freshman- or sophomore-level courses for transfer equivalency as supported through the Transfer Guide [7]. Frequently, these lower-division courses are numbered 100 through 299, but that can vary with each transferring institution. A maximum of 30 credit hours of business and economics courses from community colleges are accepted toward a bachelor's degree in business, and these are applied as lower-division credits.

Students may transfer up to nine credit hours of approved upper-division business coursework required for the business degree to ASU. Business courses completed at a two-year college may not be used for upper-division transfer credit in the business core or major. Such courses may be acceptable for general university credit but may not be applicable toward the degree requirements of the major. Courses taught in the upper-division business core must be completed at an accredited four-year institution. Upper-division business course transfer credits will be considered for upper-division business credit in the ASU major only when the course was taken at an AACSB International-accredited school.

Credit is granted for transferred courses deemed equivalent by the W. P. Carey School of Business to corresponding courses in the selected program of study and is subject to grade and ASU resident credit requirements. No grades less than "C" (2.00 on a 4.00 scale) transfer to ASU. To be accepted for credit as part of a degree program in business, all courses transferred from other institutions must carry prerequisites similar to those of the courses they are replacing at ASU.

## Degree requirements

### Critical requirements

All business students must meet the critical requirements for their majors. Students who are required to follow eAdvisor tracking requirements yet do not comply with the critical requirements are considered off track, and a hold will be placed on their records. These students must work with an advisor to have the hold removed.

Undergraduates in the W. P. Carey School of Business are expected to be strong academically, especially with regard to grades earned in business courses. Careful course planning in consultation with an academic advisor will assist students in maintaining satisfactory academic performance and progress.

### Concurrent degrees

ASU students **not enrolled in a W. P. Carey School of Business** degree program who wish to pursue a concurrent degree with the business school:

- must be in good academic standing
- must have completed 30 credit hours of college coursework
- must meet direct admission criteria [8] for the degree program they wish to pursue

If direct admission requirements have been met, students should file a paper curriculum petition form [9] to request the concurrent degree. Students who do not meet direct admission requirements for business degree programs must complete the Admission Portfolio [10] and be admitted prior to filling out the curriculum petition form. Students are allowed a maximum of two concurrent degree request attempts.

Students **currently enrolled in the W. P. Carey School of Business** who wish to pursue concurrent degrees within the business school:

- must be in good academic standing
- must have completed 30 credit hours of college coursework with a grade of "C" (2.00) or greater, including the following skill courses or the equivalents:
  - ACC 231 Uses of Accounting Information I
  - CIS 105 Computer Applications and Information Technology
  - ECN 211 Macroeconomic Principles OR ECN 212 Microeconomic Principles
  - MAT 210 Brief Calculus
  - MAT 211 Math for Business Analysis
- must have completed or currently be enrolled in the following courses or the equivalents:
  - ACC 241 Uses of Accounting Information II
  - ECN 211 Macroeconomic Principles OR ECN 212 Microeconomic Principles
  - ECN 221 Business Statistics

W. P. Carey students who meet the criteria shown above should submit a concurrent degree request [11]. Review and submission times are on the website. W. P. Carey students are unable to change their major status after they are admitted to a concurrent degree program unless they submit a new concurrent degree request. The direct admission criteria only apply to a single major within W. P. Carey; students are not able to freely change majors within their concurrent degree or dual concentration combinations. Students are allowed two concurrent degree request attempts. Current W. P. Carey students wishing to pursue a concurrent degree outside of business should submit a paper curriculum petition form [9] and receive approval from both colleges (e.g., finance and psychology).

## Reinstatement/readmission

Students seeking readmission after an absence from the university should visit the undergraduate readmission [12] website for further information.

## Other special requirements

### Major proficiency requirements

Students must receive a grade of "C" (2.00) or higher in upper-division courses for the major. If a student receives a grade lower than "C" (2.00) in any course in the major, the course must be repeated. If a second grade lower than "C" (2.00) is received in either an upper-division course in the major already taken or in a different upper-division course in the major, the student is no longer eligible to take additional upper-division courses in that major.

### Student appeal procedure on grades

W. P. Carey School of Business students follow the university policy for the student appeal procedure on grades, which may be found at <https://catalog.asu.edu/appeal> [13].

## Admission

Because of the additional requirements for the BS, students who do not meet minimum admission standards will automatically be considered for the BA in the W. P. Carey School of Business. First-year admission requirements for the BA program are the same as the university's first-year admission requirements. Transfer students who want to be admitted to the BA program must have a 3.00 GPA for all transfer coursework and a 3.00 GPA for all ASU coursework and must meet university transfer admission requirements.

## Graduate policies

All graduate students in the W. P. Carey School of Business are required to maintain cumulative, graduate and iPOS GPAs of 3.00 ("B"). Students should see individual graduate degree programs for additional requirements on satisfactory academic progress, probation and disqualification.

## Advising

Advising of graduate students is normally handled by graduate programs' support service members. Once admitted, students meet with a program manager to prepare a plan of study. Students are encouraged to begin discussions with their program managers early in their studies so coursework can be geared toward supporting their academic progress. All students, whether in a thesis or nonthesis option, must file a plan of study.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the W. P. Carey School of Business.

**Source URL:** <https://catalog.asu.edu/policies/business>

### Links:

[1] <https://wpcarey.asu.edu/>

- [2] <https://provost.asu.edu/academic-integrity>
- [3] <https://students.wpcarey.asu.edu/resources/honor-code>
- [4] <https://students.wpcarey.asu.edu/>
- [5] <http://wpcarey.asu.edu/sos>
- [6] <https://students.wpcarey.asu.edu/degrees-and-advising/advising-overview>
- [7] <https://webapp4.asu.edu/transfercreditguide/app/home>
- [8] <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/direct-admission-requirements>
- [9] <https://students.wpcarey.asu.edu/degrees-and-advising/advising-forms-and-resources/curriculum-petition>
- [10] <https://students.wpcarey.asu.edu/getting-started/admissions-portfolio>
- [11] <https://apps.wpcarey.asu.edu/apps/portfolioform/index.cfm>
- [12] <https://admission.asu.edu/undergrad/readmission>
- [13] <https://catalog.asu.edu/appeal>

# Herberger Institute for Design and the Arts policies

The Herberger Institute for Design and the Arts is built on a combination of disciplines unlike any other program in the nation, comprising schools of art; arts, media and engineering; design; film; and music, dance and theatre; as well as the ASU Art Museum.

The Herberger Institute recommends students contact the Office of Student Success at 480-965-4495 to speak with advising staff regarding any questions about the institute's policies.

## Academic integrity

The Herberger Institute for Design and the Arts strictly adheres to the ASU Student Academic Integrity policy. Academic honesty is expected of all students in all examinations, papers, academic transactions and records. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. Information about the academic integrity policy can be found at <https://provost.asu.edu/academic-integrity> [1].

## Undergraduate policies

### Academic standing

#### University academic warning

A new incoming freshmen or transfer student with a cumulative GPA that has dropped below a 2.00 at the end of the first semester (fall or spring) at ASU is placed on Academic Warning. All Herberger Institute students who are placed on Academic Warning are encouraged to complete academic success modules online through Canvas. Students are also encouraged to meet with their academic advisor to discuss any challenges they may have experienced to develop a plan to improve their standing. If a student does not earn a cumulative GPA of a 2.00 or higher in their second semester, the student is placed on probation. On-campus students are required to enroll in UNI 220 Mindset Connections during their academic warning semester— this becomes a graduation requirement once a student's cumulative GPA falls below 2.00. If a student is not successful in this course, they must enroll in the course until it is successfully completed.

#### Probation

Students in any of the institute's degree programs are placed on probation when they fail to maintain a cumulative GPA of 2.00. Students on probation must observe rules or limitations the institute imposes on their probation as a condition of retention. All Herberger Institute students who are placed on probation are required to complete academic success modules online through Canvas. Students also are required to attend mandatory advising appointments in an effort to improve their academic standing. On-campus students are required to enroll in UNI 220 Mindset Connections in the semester of their probation — this becomes a graduation requirement once a student's cumulative GPA falls below 2.00. If a student is not successful in this course, they must enroll in the course until it is successfully completed.

#### Continuing probation

A student who is already on probation and earns a GPA of 2.00 or higher for the term but is not successful in raising their cumulative GPA above a 2.00 will be placed on Continuing Probation. Continuing probation is meant to acknowledge the student's academic progress while still providing academic support to help the student reach the required 2.00 GPA. Students on continuing probation must continue to attend mandatory advising appointments until the student earns a cumulative GPA of 2.00 or higher.

#### Disqualification

If the ASU cumulative GPA is not at 2.00 or higher and the conditions of probation have not been met after one semester on probation, the student is disqualified for a minimum of two full academic semesters. Disqualification is exercised at the discretion of the institute and becomes effective on the first day of the fall or spring semester following institute action. A

disqualified student is notified by the dean's office of the institute and is not allowed to register for a fall or spring semester at the university until reinstated. Students should consult with their academic advisor to discuss this academic standing and their options for returning to ASU.

### **Co-enrolled continuing probation program**

Select disqualified students may participate in the Co-enrolled Continuing Probation program at the discretion of their college or school. This program allows the student the opportunity to attend ASU during the fall or spring semester part time to take UNI 220 plus one ASU course co-enrolled with at least eight credit hours at a Maricopa Community College. The student will select these courses in consultation with their ASU academic advisor. Upon completion of the term, if the student achieves a combined semester cumulative GPA of 2.50, they may continue regular enrollment at ASU for the upcoming semester.

If the student is receiving financial aid, they need to check with the financial aid office to see how participation in this program will affect their eligibility for financial aid.

### **Reinstatement**

A student who has been academically disqualified and seeks to return to ASU either for a fall or spring semester, at any time, and has met college admission standards is required to seek readmission to the university [2] and reinstatement to the Herberger Institute. Applications for readmission to ASU must be made to Admission Services; the application for readmission will automatically generate a letter of appeal for reinstatement to the Herberger Institute for consideration.

All disqualified students should contact the Herberger Office of Student Success [3] regarding procedures and guidance for reinstatement and return to academic good standing. Disqualified students may attend summer sessions at ASU to raise their cumulative GPA. If a 2.00 or higher cumulative GPA is achieved upon completion of summer coursework, the student may petition the institute for early reinstatement. By following recommendations and meeting established standards for summer coursework or coursework completed at other institutions, the possibility of successful reinstatement is enhanced. All students who are academically disqualified should contact a Herberger Institute advisor to discuss their options.

Also available in the Office of Student Success is information on the college policies and procedures for student grievances with respect to grades [4] and various petitions regarding standards and graduation requirements.

### **Advising**

Undergraduate academic advising is handled as a centralized activity within the institute. Students are encouraged to make appointments through the Herberger Institute Office of Student Success. Appointments are recommended and should be scheduled in advance with the lead academic advisor.

There are 3 ways to schedule an advising appointment:

- Online through a student's My ASU page
- Phone: 480-965-4495
- Email: [HerbergerAdvising@asu.edu](mailto:HerbergerAdvising@asu.edu) [5]
- In-person: Design South (CDS), room 101 (M-F, 8 a.m.–5 p.m.)

More information is available on the advising website: <https://herbergerinstitute.asu.edu/advising> [3].

While the institute provides academic advising, it is ultimately each student's responsibility to fulfill academic and program requirements. Administration of program requirements is the responsibility of the head of the academic unit and the dean.



## Credit/registration

### Course load

First-semester freshmen and entering transfer students are not permitted to register for more than 18 credit hours in Session C or nine credit hours in Session A and nine credit hours in Session B. Continuing students who wish to register for more than 18 credit hours must meet the academic criteria for an overload petition and work with their academic advisor in the Herberger Office of Student Success. No student should assume that the petition for overload will be granted.

For summer sessions, the maximum course load is 14 credit hours, seven per six-week summer session. Overloads are rarely granted for these sessions and requests must be petitioned to the Herberger Office of Student Success.

### Audit grade option

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses.

This grade option may not be changed after the drop/add period.

### Pass/fail or credit/no credit

The only courses accepted toward graduation with a grade of pass/fail or credit/no credit are courses designated by the academic unit as such, or internships and field studies.

### Transfer credits

While the university accepts credits transferred from other accredited institutions, transfer coursework must be equivalent in content and level of offering. Arts or design transfer credits are not applied to specific degree programs until reviewed and accepted by the appropriate academic units. The Design School and the School of Art require a review of samples of work (portfolio format) from previous studio classes to evaluate some transfer studio credits.

### Incompletes

Students are responsible for contacting their course instructors regarding the process of requesting and fulfilling requests for an incomplete. The grade of "I" (incomplete) can only be given by an instructor when a student who is doing otherwise acceptable work is unable to complete a course (e.g., final exam or term paper) because of illness or other conditions beyond the student's control. To begin the request for a grade of incomplete, a student must obtain the official form at <http://students.asu.edu/forms/incomplete-grade-request> [6]. A completed form must include a justification, a listing of requirements that have not been fulfilled, and a proposed schedule of completion. The instructor reviews the request and determines whether to accept or deny the request. If accepted, the instructor may propose modifications and submit a copy of the request to the appropriate office.

An incomplete in any course that is a prerequisite for sequential courses automatically denies the student enrollment in subsequent courses and could result in the student being administratively dropped from a subsequent course if the student has already enrolled.

The student has one calendar year from the date the grade of "I" is recorded to complete the course. A student does not reregister or pay fees for a course for which an "I" has been received in order to complete the course. Grades of "I" for undergraduate coursework that have been on a student's record for more than one calendar year will be automatically changed to "E."

## Withdrawals

University withdrawal regulations apply to all courses. In certain of the institute's degree programs, curricula are modular and sequential, and because space in these programs is limited a student is expected to progress through the curriculum with the class. In order to fully understand all potential repercussions of withdrawal from any courses, the student should discuss their plans with their academic advisor.

## Degree requirements

### Critical requirements

All Herberger students must meet the program and critical requirements for their majors. Students who do not comply with the critical requirements are considered off track and their records will be placed on hold; students are required to meet with a Herberger academic advisor to have a hold removed. For more information about critical requirements, students should refer to the corresponding major map.

### Concurrent degrees

A student who wishes to obtain concurrent degrees must submit a standards committee petition [7] for review by the Herberger Curriculum and Standards Committee after successfully meeting the following criteria: minimum cumulative GPA of 3.00, successful completion of six credit hours in both programs, and successful admission into both intended programs of study. A student pursuing concurrent degrees within the institute must complete 24 unique credit hours in each major.

### Change of major

A current ASU student who wishes to change majors to one of the institute's degrees must have a cumulative ASU GPA of 2.50 or greater. Students wishing to enter a major that requires an audition, interview, milestone or portfolio review may be required to successfully complete this requirement before changing the major.

## Reinstatement/readmission

Undergraduate degree-seeking students who previously attended ASU in the Herberger Institute for Design and the Arts but have not been enrolled at ASU for up to seven consecutive semesters are eligible to return through Quick Re-entry [8]. Students do not need to submit a new application or application fee, but they must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for eight or more semesters and want to return to ASU in a Herberger Institute program are required to apply for readmission through the admission services office.

- Readmission is only considered after a student has remained out of the Herberger Institute for a minimum of eight semesters.
- A student is required to supply proof he or she is now capable of successfully completing courses in the discipline by the completion of at least 12 credit hours of appropriate coursework with a GPA of 2.50 or greater.
- If the readmission request requires a change of major, then admission decisions are made by the college that offers the intended major.
- If a student seeks readmission to his or her previous Herberger Institute major and that major requires a creative review, a new review may be required.
- If readmission is approved within the Herberger Institute, the student returns with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with a Herberger advisor before enrolling in courses at ASU.

## Other special requirements

### Creative reviews

A creative review (audition, interview, milestone, portfolio submission) is required for entrance into many majors in the Herberger Institute. Students should visit <https://herbergerinstitute.asu.edu/admissions> [9] for details.

### Graduate policies

Advising is handled as a decentralized activity within the institute. To offer personalized attention, each academic unit establishes its own graduate advising procedures. Students are encouraged to make appointments through the central office of their major discipline. Students should consult their academic unit's website for general information about the programs, admission and advising procedures:

- School of Art: <https://art.asu.edu/> [10]; 480-965-6303
- School of Arts, Media and Engineering: <https://artsmediaengineering.asu.edu/> [11]; 480-965-9438
- The Design School: <https://design.asu.edu/degree-programs> [12]; 480-965-3536
- School of Music, Dance and Theatre: <https://musicdancetheatre.asu.edu/> [14]; 480-965-3371

Students must fulfill all requirements of their graduate program to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Herberger Institute for Design and the Arts.

**Source URL:** [https://catalog.asu.edu/policies/design\\_and\\_arts](https://catalog.asu.edu/policies/design_and_arts)

#### Links:

[1] <https://provost.asu.edu/academic-integrity>

[2] <https://admission.asu.edu/undergrad/readmission>

[3] <https://herbergerinstitute.asu.edu/advising>

[4] <https://designandarts.asu.edu/grievanceprocedure/HerbergerInstituteGrievanceProcedure.pdf>

[5] <mailto:HerbergerAdvising@asu.edu>

[6] <http://students.asu.edu/forms/incomplete-grade-request>

[7] <https://powerforms.docuSign.net/0011cce8-0e08-4e7b-85d4-a9dad9331a3b?env=na2&acct=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b>

[8] <https://catalog.asu.edu/glossary#quickreentry>

[9] <https://herbergerinstitute.asu.edu/admissions>

[10] <https://art.asu.edu/>

[11] <https://artsmediaengineering.asu.edu/>

[12] <https://design.asu.edu/degree-programs>

[13] <https://musicdancetheatre.asu.edu/>

[14] <https://music.asu.edu/>

## Ira A. Fulton Schools of Engineering policies

The Ira A. Fulton Schools of Engineering educate undergraduate and graduate students, giving them the knowledge, skills and attitudes they need for success in technically oriented careers. The schools provide students with a range of educational opportunities by which they may achieve excellence in the major branches of engineering, computer science, informatics, construction management, aviation, technology, human systems engineering, environmental resource management, and technological entrepreneurship and management.

The Ira A. Fulton Schools of Engineering take pride in their diversity, their economic and cultural heritages, and the quality of their graduates. The schools strive to be integral to the community they serve and a lifelong presence in the lives of those within their compass. The schools' educational and research programs are built around the following principles: entrepreneurship; use-inspired research and scholarship; a focus on the individual; the intellectual fusion of unique and distinct disciplines; social embeddedness in the local, national and international communities; and global engagement.

More information is available at <https://engineering.asu.edu/> [1].

### Ira A. Fulton Schools of Engineering aspirations

Graduates from any of the schools' programs will possess a solid technological background. Additionally, the Ira A. Fulton Schools of Engineering aspire to develop leaders who are well-read, well-spoken and knowledgeable about current business practices. Experiential education is recognized as a complementary praxis and integral to the overall academic experience. To this end, the schools offer enhanced curricula, special courses and extracurricular activities to enrich the student's stay and to offer every student opportunities to achieve the schools' aspirations.

All the programs within the schools are professional programs, and professionalism is an important component of all the curricula. The schools strive to help students understand and value the various aspects of professionalism, including ethical behavior, a desire for lifelong learning, the ability to communicate with others, and an awareness of how the profession fits into society and impacts it. As the first step in ethics, all students are expected to follow the student code of conduct and rules of academic integrity defined by the university as outlined at <https://provost.asu.edu/academic-integrity> [2].

## Academic integrity

Students enrolled in the Ira A. Fulton Schools of Engineering are required to maintain high levels of integrity and honesty in their academic progress. The ASU Student Academic Integrity policy is strictly enforced and followed. A student with an alleged violation is required to discuss the violation with the professor. A student charged with a violation of the student academic integrity policy will have the opportunity to appeal the charge and be heard by the Ira A. Fulton Schools of Engineering standards hearing board, which provides recommendations to the dean or the dean's designee. The dean or dean's designee will review the recommendation and render a decision. If the decision is suspension or expulsion, the student may appeal to the Office of the University Provost. Policy information is located at <https://provost.asu.edu/academic-integrity> [2].

The Ira A. Fulton Schools of Engineering have developed and enforce a number of academic standards. These standards are designed to support students and ensure the quality of the schools' graduates.

## Undergraduate policies

### Academic standing

#### Student responsibilities

Students need to make many decisions as they complete their degrees. While the schools and the university have a number of resources available to help with decision-making (e.g., faculty, courses, advisors and tutors), students are expected to take responsibility for their decisions.

#### Ira A. Fulton Schools of Engineering good standing

Students are expected to select and successfully complete courses that lead to the timely completion of their degree programs. Students are said to be in good standing if they fulfill all the following:

- maintain acceptable GPAs
- enroll and complete critical tracking requirements
- complete courses each semester that are applicable to their degrees

#### University academic warning

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester (fall or spring) is considered to be in the status of University Academic Warning. If after one term with an academic warning a student still has not achieved the minimum GPA standard of 2.00, the student will be placed on probation for at least one additional term. If a student's minimum GPA first falls below the standard in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

A student with an academic warning is considered in conditional good standing and is permitted to enroll.

Whether a student's status is an academic warning or probation, the student must meet with an academic success specialist to discuss academic success strategies for the subsequent semester and develop a success plan for returning to university academic good standing. At the discretion of the student's college or school, that plan may require successful completion of UNI 220 Academic Refresher/Mindset Connections.

#### Ira A. Fulton Schools of Engineering probation

There are many reasons why some students do not make satisfactory progress. These students are placed on Ira A. Fulton Schools of Engineering academic probation to ensure they get the extra attention and resources they need that will help them get back in good standing. Working with an academic advisor to plan a strategy for success is crucial. Students may be required to reduce their course loads (13 credit hours maximum), retake courses or even take courses outside of their programs.

To return to academic good standing in the Ira A. Fulton Schools of Engineering, students on probation need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If enrolled in only one course, a grade of "C+" (2.33) or better and a minimum cumulative ASU GPA of 2.00 is required to obtain academic good standing. Students who meet either the semester GPA requirement or the cumulative ASU GPA requirement at the end of their first probationary semester may be continued on probation. Courses completed during summer sessions are not used to reevaluate a student's probationary status.

#### Conditions for Ira A. Fulton Schools of Engineering probation

A student is placed on college or university probation when specific academic expectations are not met. Some conditions trigger an automatic placement on probation whereas others trigger an automatic review of the student's case to determine if probation is warranted. When a probation review is triggered, the final decision and any conditions of probation are determined at the program level.

Automatic probation is triggered by any of the following:

- two successive semesters with GPAs less than 2.00
- an ASU cumulative GPA less than 2.00

Automatic review (borderline) is triggered by any one of the following:

- a semester with a GPA less than or equal to 2.00
- a cumulative GPA in the major of less than 2.00

### **Ira A. Fulton Schools of Engineering continuing probation**

A student on probation or continuing probation at the university level is placed on college-level continuing probation status when specific academic expectations are not met. When a continuing probation review is triggered, the final decision and any conditions of continuing probation are determined at the college level.

To return to academic good standing in the Ira A. Fulton Schools of Engineering, students on continuing probation need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If enrolled in only one course, a grade of "C+" (2.33) or better and a minimum cumulative ASU GPA of 2.00 is required to obtain academic good standing.

Automatic continuing probation is triggered by any of the following:

- a student on probation does not attain a semester GPA of 2.25 or greater and has a cumulative GPA of at least 2.00 at the end of the probation semester
- a student on probation or continuing probation obtain a semester GPA of 2.25 or greater and has a cumulative GPA less than 2.00

### **Ira A. Fulton Schools of Engineering ineligibility**

Students who are on continuing probation and fail to meet the schools' retention standards become ineligible to continue working toward a degree within the Ira A. Fulton Schools of Engineering.

Ineligibility occurs if the continuing probationary student does any of the following:

- does not attain a semester GPA of 2.25 or greater and has a cumulative GPA of at least 2.00 at the end of the probationary semester
- has already been on probation for two consecutive semesters
- fails to complete any courses appropriate for the degree during each semester

Ineligible students are subject to the following limitations:

- Students who change colleges may not register for courses in the Ira A. Fulton Schools of Engineering unless the courses are required by their new majors.
- Students who register for courses in the Ira A. Fulton Schools of Engineering may be withdrawn from these courses any time during the semester they are registered.

Ineligible students are encouraged to consider these options:

- Students may be eligible to change their majors to other colleges if they are in university academic good standing and have acceptable cumulative GPAs; the acceptable GPA level depends on the number of hours of completed coursework. Students should contact their advisor to determine if this is an option for them.
- Students may take nonengineering courses during summer sessions.
- An ineligible student may apply for readmission to the college after one calendar year.
- Students may request a status review by contacting the Office of Academic and Student Affairs.

### **Ira A. Fulton Schools of Engineering disqualification**

Students who are on probation or continuing probation and fail to meet the schools' retention standards become disqualified to continue working toward a degree within the Ira A. Fulton Schools of Engineering.

Disqualification occurs if the student on probation or continuing probation does not attain a semester GPA of 2.25 or greater and has a cumulative GPA less than a 2.00 at the end of the probation semester.

Disqualified students are subject to the following limitations:

- A disqualified student is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled.
- A student who has been disqualified may apply for readmission to the college after one calendar year.
- A disqualified student may not attend as a nondegree student.
- If a disqualified student elects to attend another university or two-year college, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a replacement of a grade earned at ASU.

## Advising

Successful completion of a program in the Ira A. Fulton Schools of Engineering requires careful planning. While final responsibility lies with each student for becoming familiar with and understanding academic degree requirements, each program employs professional academic advisors who work with students in setting academic and career goals, understanding school and university policies and procedures, meeting degree requirements, and becoming familiar with sources of academic support within the university. Students also may work with faculty advisors familiar with the chosen fields of specialization. Students should consult their advisors prior to registering each semester. A list of program advisors can be viewed at <https://advising.engineering.asu.edu/> [3].

Students are encouraged to use eAdvisor tools for academic planning. This service provides critical requirements and major maps, which are individualized student reports that lay out a specific, clear and accurate path to timely completion of each student's intended degree. eAdvisor tools are listed at <https://eadvisor.asu.edu> [4].

Many students find it necessary to work while attending ASU. The working student should endeavor to create a careful balance of work and class responsibilities to avoid academic problems. Students should inform their academic advisors of any outside work or activity so that course loads may be adjusted accordingly.

Staff in the Office of Academic and Student Affairs in the Ira A. Fulton Schools of Engineering are available to assist individual students with many different types of advising issues. They work with students to answer general questions about policies and procedures; help with registration transactions; administer the probation, disqualification and readmission processes; oversee disciplinary actions; hear grade grievances; and, assist with other administrative matters.

## Mandatory advising

All first-year students, student athletes and students who are found to be having academic difficulty are required to be advised before they can register for classes, including summer sessions classes. Some programs relax the advising requirement after the first year, so students should consult their academic advisor or review the My Tasks list in My ASU to determine if advising is required.

## Credit/registration

Students are required to register for courses using one of the university-provided processes. As part of the registration process, the school enforces the following registration restrictions.

## Maximum hours

Students enrolled in undergraduate degree programs in the Ira A. Fulton Schools of Engineering may register for a maximum of 19 credit hours per semester. Any student wanting to register for more than the maximum must submit a college standards petition and have an approval on file prior to registering for the overload.

## Ira A. Fulton Schools of Engineering probationary status

Students who have been placed on academic probation with the Ira A. Fulton Schools of Engineering must meet with their academic advisors and complete their probation success plan. The success plan is designed to assist students in



identifying a path to academic success and can be found at [https://advising.engineering.asu.edu/wp-content/uploads/2020/02/Probation\\_Success\\_Plan.docx](https://advising.engineering.asu.edu/wp-content/uploads/2020/02/Probation_Success_Plan.docx) [5]. Students on academic probation with the Fulton Schools may enroll in a maximum of 13 credit hours per semester.

## Degree requirements

### Undergraduate nondegree status

Students who are enrolled in an undergraduate nondegree status in the schools must obtain advising and approval to register from the Office of Academic and Student Affairs before registering each semester.

### Course prerequisites

Students should consult the schedule of classes and the catalog for course prerequisites. Students who register for courses without the designated prerequisites may be withdrawn without their consent at any time before the final examination. Such withdrawal may be initiated by the course instructor, the program chair of the program offering the course or the dean of the college. In such cases, students will not receive monetary reimbursement.

### Pass/fail grades

Students requesting credit for pass/fail courses taken at another institution must file an Ira A. Fulton Schools of Engineering standards petition. Each request is judged on its particular merits.

### Non-Ira A. Fulton Schools of Engineering students

Students who are not admissible to programs in the Ira A. Fulton Schools of Engineering and who enroll in another college at ASU may not register for any 300- or 400-level courses in the schools unless the courses are required in their degree programs and the students have the proper course prerequisites.

### First-year composition requirement

Completion of the first-year composition requirement is required for graduation. Any student whose written or spoken English is unsatisfactory in any course may be required by the appropriate school director or program chair to take additional coursework. The first-year composition requirement policy is at [https://catalog.asu.edu/ug\\_grad\\_req](https://catalog.asu.edu/ug_grad_req) [6].

### Concurrent degrees

Students interested in pursuing a concurrent degree should consider several aspects:

- The degree conferral date occurs when all degree requirements are satisfied for each undergraduate degree program; that is, students receive both degrees at the same time regardless if course work for one degree is completed prior to the other degree.
- Admission criteria, policy for double-counting credits, and other requirements and rules are defined by the school or college offering the degree program.
- Financial aid and scholarship limits apply and may not cover all semesters; therefore, students may need to invest more time, and hence more funds, to complete concurrent degrees.

Once a decision is made to pursue a concurrent degree, the process must be set in motion:

- A student pursuing a concurrent degree must meet with both program advisors to learn about degree and graduation requirements of both degree programs and the eligibility requirements for filing a petition. Both advisors should review the graduation plan that outlines courses the student will take each semester.
- The student must file a standards petition form with each respective school or college offering the desired degree programs to request permission to pursue the concurrent degrees. The petition form is available online at [https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions) [7]. The petition form is also available in-person from the program academic advisor.

Petition approvals result in the posting of concurrent degrees in PeopleSoft. If the student later decides to drop one of the degrees, the student should inform the University Registrar Services [8] Graduation Office that they are no longer interested in pursuing concurrent degrees.



## **Change of major**

Students interested in switching majors to one of the programs within the Ira A. Fulton Schools of Engineering must meet the schools' admission requirements for transfer students. This requirement is true for students admitted to ASU as first-year or transfer students. A change of major is not guaranteed, and students interested in changing majors are encouraged to make an appointment with an advisor in the program of interest to discuss the probability of success and to develop a plan of action to ensure successful advancement to upper-division courses. For admission information, students should visit <https://engineering.asu.edu/admission-requirements/> [9].

Students who were admitted as first-year students into the Ira A. Fulton Schools of Engineering, with the exception of The Polytechnic School, and who have maintained continuous enrollment in any Fulton Schools major may choose to change to any other major within the Ira A. Fulton Schools of Engineering provided they are in good academic standing [10]. Students admitted to The Polytechnic School must meet the transfer admission requirements in order to change to a Fulton Schools major outside of The Polytechnic School.

## **Evaluation of previous coursework**

Transferring from one institution to another or between programs can result in a net loss of credits that count toward the degree. Thus, it is important for students who contemplate transferring into the Ira A. Fulton Schools of Engineering from other institutions, whether community colleges or four-year institutions, to carefully study the requirements of their degree programs to get a sense of which courses may transfer.

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades lower than "C" (2.00) are accepted as transfer credit to meet the graduation requirements of the schools. Credits transferred from a community college or two-year institution are applied only as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools available at <https://admission.asu.edu/transfer> [11].

Some courses taken at ASU or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit with approval of the dean.

## **Currency of coursework**

Courses taken more than five years before admission to degree programs in the Ira A. Fulton Schools of Engineering are not normally accepted for credit in the engineering major, at the option of the program in which the applicant wishes to enroll. However, students still may earn university elective credit or general studies credit for these courses. Courses completed within the five years preceding admission are judged for their applicability to the student's curriculum.

## **General education development**

Students admitted to the university after successful completion of a GED examination are directly admitted to the Ira A. Fulton Schools of Engineering Bachelor of Science or Bachelor of Science in engineering program within their majors, provided they meet the minimum ACT or SAT score required for first-year admission to the Ira A. Fulton Schools of Engineering.

## **Graduation requirements**

To qualify for graduation, an Ira A. Fulton Schools of Engineering student must have a minimum cumulative ASU GPA of 2.00 in addition to having a GPA of at least 2.00 for the courses in the major.

## **University graduation requirements**

In addition to program and the Fulton Schools' requirements, students must meet all university graduation requirements. A well-planned program of study enables students to meet all requirements in a timely fashion. Students are encouraged to consult with an academic advisor in planning a program, to ensure they comply with all necessary requirements. University graduation requirements can be found at [https://catalog.asu.edu/ug\\_grad\\_req](https://catalog.asu.edu/ug_grad_req) [6].

## Reinstatement/readmission

### Readmission

Undergraduate degree-seeking students who previously attended ASU in the Ira A. Fulton Schools of Engineering but have not been enrolled at ASU for up to seven consecutive semesters are eligible to return through Quick Re-entry [12]. Students do not need to submit a new application or application fee, but they must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for more than seven semesters and want to return to ASU in an Ira A. Fulton Schools of Engineering program are required to apply for readmission through the admission services office. Readmission requests are processed as follows:

1. School of Engineering students seeking readmission to the same program they left and who left ASU with either academic good standing or probation status are readmitted to the degree program they left with the same academic standing they had when they left ASU (i.e., good academic standing or probation).
2. Students seeking readmission to an Ira A. Fulton Schools of Engineering program other than the program they left and who have an ASU GPA of 3.00 or greater are readmitted to the degree program with the same academic standing they had when they left ASU (i.e., good academic standing or probation).
3. Students seeking readmission to an Ira A. Fulton School of Engineering program other than the program they were in when they left ASU with either academic good standing or probation status and who have an ASU GPA less than 3.00 are subject to the process of admission by change of major. These requests for readmission are reviewed on an individual basis. If the request for readmission is approved, the student is readmitted to the new degree program with the same academic standing he or she had when leaving ASU (i.e., good academic standing or on probation).
4. Students seeking readmission to an Ira A. Fulton Schools of Engineering program and who left ASU with either ineligible or disqualified status are subject to review by the Office of Academic and Student Affairs and the program. Readmission is only considered after a student has remained out of the Ira A. Fulton Schools of Engineering for a minimum of 12 months. A student is required to supply proof of now being capable of successfully completing courses in the discipline by the completion of at least 15 hours of appropriate coursework with a GPA of 3.00 or higher and a cumulative GPA (ASU plus transfer) of at least 2.50. If the readmission request requires a change of major, then the student must complete the review process for admission by change of major. If readmission is approved, the student will return with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with a program advisor before enrolling in courses at ASU.

## Other special requirements

### Advancing to upper-division courses

The faculty in the Ira A. Fulton Schools of Engineering have identified a set of critical requirements in the first four semesters of each program whereby performance in these critical requirements is a key component in progressing in the chosen major. These critical requirements include a set of courses and performance levels required in those courses and are outlined on the major maps.

## Graduate policies

### Policy for maintaining satisfactory academic progress

A student who has been admitted to a graduate degree program in the Ira A. Fulton Schools of Engineering, with either regular or provisional admission status, must maintain a GPA of 3.00 or greater in all the following:

1. all work taken for graduate credit (courses numbered 500 or higher)
2. coursework in the student's approved plan of study

3. all postbaccalaureate course work taken at ASU (overall GPA)

A student will be placed on academic probation if one or more of the student's GPAs listed above is less than 3.00. Students will be notified by mail when placed on academic probation.

A student will earn academic good standing by obtaining a 3.00 or greater in the GPAs listed above by the time the next nine hours are completed. Coursework such as research and dissertation and any course that is graded with a "Z" (in progress) or "Y" (satisfactory) cannot be included in these nine hours.

A student may be recommended for dismissal from a graduate program if the student fails to increase all the GPAs listed above to 3.00 or greater by the time he or she completes at least nine credit hours as defined in the previous paragraph.

A student may appeal actions concerning dismissal by petitioning the program in which they are enrolled.

Academic units in the Ira A. Fulton Schools of Engineering can expand this policy statement to include additional policy governing the satisfactory academic progress of the students in their graduate programs.

### Additional Graduate Policies

Full details of policies related to graduate students in the Ira A. Fulton Schools of Engineering can be found on each program's webpage. For a list of programs, students should visit <https://engineering.asu.edu> [1]. University policies related to graduate students can be found at <https://graduate.asu.edu> [13].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and they must abide by all university policies including those of the Graduate College and the Ira A. Fulton Schools of Engineering.

**Source URL:** <https://catalog.asu.edu/policies/engineering>

#### Links:

[1] <https://engineering.asu.edu/>

[2] <https://provost.asu.edu/academic-integrity>

[3] <https://advising.engineering.asu.edu/>

[4] <https://eadvisor.asu.edu/>

[5] [https://advising.engineering.asu.edu/wp-content/uploads/2020/02/Probation\\_Success\\_Plan.docx](https://advising.engineering.asu.edu/wp-content/uploads/2020/02/Probation_Success_Plan.docx)

[6] [https://catalog.asu.edu/ug\\_grad\\_req](https://catalog.asu.edu/ug_grad_req)

[7] [https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions)

[8] <https://students.asu.edu/contact/office-university-registrar>

[9] <https://engineering.asu.edu/admission-requirements/>

[10] [https://catalog.asu.edu/retention\\_standing](https://catalog.asu.edu/retention_standing)

[11] <https://admission.asu.edu/transfer>

[12] <https://catalog.asu.edu/glossary#quickreentry>

[13] <https://graduate.asu.edu/>

## College of Global Futures policies

The College of Global Futures [1] prepares next-generation leaders with the knowledge, skills and mindsets they need to tackle complex global challenges. Home to the School for the Future of Innovation in Society [2], the School of Sustainability [3] and the School of Complex Adaptive Systems [4], the college fosters new interactions between students, staff, faculty and partners that elevate our ability to understand complex, integrated social, environmental and technical systems, drive responsible innovation, and lead to ethical interventions that ensure a just, healthy and fulfilling future for everyone. Students learn how to develop enduring solutions that benefit all people everywhere on a thriving, healthy planet.

### Student responsibilities

Students need to make many decisions as they complete their degrees. While the college and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help in the decision-making process, students are expected to take responsibility for their decisions.

### Academic integrity

The College of Global Futures adheres to ASU's academic integrity policies and procedures [5]. Students are part of an academic community that is engaged in learning and inquiry and based on the quest for truth, thus committing themselves to a path of honesty and integrity. Therefore, it is expected that they integrate that responsibility with their conduct, in line with the ASU Student Honor Code [6]. Students' coursework, research and projects must be original and reflect individual effort and integrity. When in doubt about appropriate conduct, students should consult a faculty mentor, advisor or the college's academic integrity officer [7] to seek clarification. The college has a policy of zero tolerance for any form of academic misconduct. Penalties for unethical behavior range from failing grades to expulsion from the university.

### Undergraduate policies

#### Academic standing

##### Good standing

Students in the College of Global Futures are considered in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU and maintain critical requirements within the major, which may include higher GPA expectations. Students should refer to the major map for their catalog year.

##### Critical requirements

All College of Global Futures students must meet critical requirements for their intended majors. Students who do not comply with the critical requirements are off track, and holds are placed on their records; to have the holds removed, they must meet with their advisors. Students who still do not meet all critical requirements in the following semester are not permitted further registration in their intended majors. Students who are off track for two consecutive semesters may be required to change their major.

##### University academic warning

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester at the university (fall or spring) is considered to be in the status of university academic warning during their second term. If a student on academic warning does not achieve the minimum GPA standard of 2.00 at the end of the warning period in the second term, the student is placed on probation for the following term.

If a student's minimum GPA falls below 2.00 in a term that is not the student's first term at ASU, the student is placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

Whether a student's status is academic warning or probation, the student must meet with an academic advisor to discuss academic success strategies for the subsequent semester and develop a success plan for returning to university academic good standing.

## **Probation**

Students who are no longer in their first semester at ASU and do not maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU are placed on academic probation. Before students on probation may register for classes in the next semester, they are required to work with an academic advisor to discuss campus academic resources, plan semester goals and discuss strategies to attain academic success. Students on academic probation may be limited in the number of credit hours they may enroll in, must enroll in UNI 220 Academic Refresher, and must also do one of the following:

1. During the next semester, students on probation must raise their cumulative ASU GPA to 2.00 or greater in order to return to academic good standing.
2. If a cumulative GPA of 2.00 can't be reached in one semester, students must obtain a semester GPA of 2.00 or greater with no grade lower than a "C" in order to be granted one additional semester on continuing probation, providing them with two semesters in which to return to good academic standing and avoid disqualification.

## **Disqualification**

Students who do not meet probation requirements are subject to disqualification. Students who have been disqualified may attend summer sessions to try to bring their GPA to good standing, but they are not permitted to register for fall or spring sessions. If disqualified students choose to register for courses in the summer, they first should meet with an advisor to better understand grade replacement policies and determine which courses would be best for them. Students who already registered for future fall or spring semesters will have their registrations canceled.

## **Academic advising**

The College of Global Futures Student Services Center [8] supports students' achievement of their personal, educational, cultural and career goals while becoming self-directed, lifelong learners. The college encourages students to meet with an advisor at least once a semester and requires that students meet with an advisor at certain points during their academic career:

- first semester: all newly admitted students
- second semester: during the first semester to plan for the second semester
- fifth semester: when students are starting to focus their studies and think about steps leading to graduation
- seventh semester: to prepare for any capstone experiences required and planning for post graduation

Office hours are Monday through Friday, 9 a.m. to 4 p.m., excluding university holidays. Students should schedule their advising appointments in advance through My ASU [9] or this direct link [10] so advisors can set aside the appropriate time to answer all their questions.

## **Registration and credit**

Students enrolling in courses offered by the College of Global Futures are expected to follow the rules and deadlines specified in this catalog and the ASU academic calendar. Students are encouraged to meet with their academic advisor before registration.

## **Maximum hours and course load**

Students enrolled in undergraduate degree programs in the College of Global Futures may register for a maximum of 18 credit hours per semester (fall and spring), with a maximum of nine credit hours per session A or session B. Students may register for a maximum of 14 credit hours per summer term, with a maximum of seven credit hours per session A or session B.

Students wanting to register for more than the maximum must submit a credit overload request on the College of Global Futures website and meet the stated criteria. Students generally are not permitted to exceed the maximum credit limit in their first term at ASU or in the hybrid year of an accelerated bachelor's and master's degree program.

More details on credit hour limits are available at [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load) [11].

### **Late enrollment transactions**

The College of Global Futures adheres to all posted university deadlines for course enrollment, including add, drop, and withdrawal. Late drops from College of Global Futures courses are not approved; however, students can withdraw from courses following the regular course withdrawal process [12]. If students wish to add a College of Global Futures course after the official drop/add deadline, they may request special permission to do so. Instructor approval is required; however, instructor approval does not guarantee college-level approval. Drop/add deadlines are posted on the Academic Calendar [13].

### **Repeat and replacement policy**

Students wishing to repeat courses and possibly replace prior course grades must follow ASU's repeating courses policies [14] regarding the number of credit hours that are allowed to be repeated and the types of courses that are eligible for a grade replacement.

Generally, students may not repeat an undergraduate course for credit when a grade of "C" or higher is earned unless the higher grade is required for the course as part of the major.

Students wishing to repeat a course for a third time must submit a petition. Students should contact the advising office for information.

### **Pass/fail grade options**

Some instructors may offer courses on a grading basis of satisfactory "Y" and failing "E". With a "Y" grade, students earn hours but the grade is not factored into the GPA. The pass "P" grade works similarly but is only used when an individual student receives permission from both the class instructor and the college or school prior to the drop/add deadline for the session. Permission is recorded on the pass/fail enrollment form [15]. A grade of failing, or "E", is factored into the GPA. Students should see ASU Grading Options and Definitions [14] for more information.

## **Degree requirements**

All undergraduate students in the College of Global Futures must complete the university's General Studies requirement as well as all requirements for their majors.

### **Minors**

Students in the College of Global Futures may not use courses in their majors to fulfill the requirements of their minors. Similarly, they may not use courses in their minors toward their majors, with the exception of the related discipline requirement for the BA or BS in sustainability.

### **Concurrent degrees**

The College of Global Futures has some formal agreements and major maps [16] in place for concurrent degrees, but students are not limited to these agreements.

Students may seek approval to pursue concurrent degrees with the College of Global Futures after they have completed at least 30 graded credit hours. To be eligible to add a School of Sustainability program as a concurrent degree, students must have a cumulative ASU GPA of 3.00. To be eligible to add a School for the Future of Innovation in Society program as a concurrent degree, students must have a cumulative ASU GPA of 2.00.

Students interested in declaring a concurrent College of Global Futures degree or current College of Global Futures should schedule an appointment with a Global Futures advisor to complete a College of Global Futures Standards Petition. Concurrent degrees must be approved by the academic units for both degree programs, so students also need to meet the eligibility criteria of the other academic unit and follow the process outlined by that unit as well.

Degree combinations with too great an overlap between the required courses for each major are not approved. For example, students may not pursue a BA or BS in sustainability as well as a BS in sustainable food systems, a BA in business with a concentration in sustainability, or a BA in interdisciplinary studies with a concentration in sustainability.

## Readmission

Students seeking reinstatement after disqualification or readmission after absence from the university should contact the College of Global Futures Student Services Center regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmission process [17]. Students are eligible for readmission into the College of Global Futures once they complete one of the following:

1. Raise their ASU cumulative GPA to good academic standing (2.00) by taking ASU summer session courses.
2. Complete 24 or more transferable credit hours at a community college or university with no grades less than “C” and a GPA of 3.00 or greater. Courses in which the student failed or received a “D” at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least two semesters. Students on probation have two semesters to raise their cumulative GPA to meet ASU academic good standing (GPA of 2.00). Failure to do so results in disqualification from the university.

## Other special requirements

### Grade appeals

The College of Global Futures follows the university policy for student appeal procedure on grades [18].

## Graduate policies

The college’s graduate policies are guided by the university policies on graduate studies [19]. Graduate advising and student services are currently offered directly through each of the schools within the College of Global Futures: School for the Future of Innovation in Society [2], School of Sustainability [20] and School of Complex Adaptive Systems [4].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those outlined by the Graduate College and the College of Global Futures. Additional information about program requirements and what is required to maintain good academic standing can be found in program handbooks.

**Source URL:** [https://catalog.asu.edu/policies/global\\_futures](https://catalog.asu.edu/policies/global_futures)

### Links:

[1] <https://collegeofglobalfutures.asu.edu/>

[2] <https://sfis.asu.edu/>

[3] <https://schoolofsustainability.asu.edu/admissions/scholarships/champions/>

[4] <https://scas.asu.edu/>

[5] <https://provost.asu.edu/academic-integrity>

[6] <https://provost.asu.edu/academic-integrity/honor-code>

[7] <https://provost.asu.edu/academic-integrity/officers>

[8] <https://collegeofglobalfutures.asu.edu/advising>

[9] <https://my.asu.edu>

[10]

<https://outlook.office365.com/owa/calendar/SchoolofSustainabilityStudentServicesCenter1@arizonastateu.onmicrosoft.com/bookings/>

[11] [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load)

[12] <https://students.asu.edu/drop-add>

- [13] <https://students.asu.edu/academic-calendar>
- [14] [https://students.asu.edu/grade#repeat\\_course](https://students.asu.edu/grade#repeat_course)
- [15] <https://students.asu.edu/forms/pass-fail-enrollment>
- [16] <https://webapp4.asu.edu/programs/t5/programs/Concurrent/all/undergrad/false?init=false&nopassive=true>
- [17] <https://admission.asu.edu/undergrad/readmission>
- [18] <https://catalog.asu.edu/appeal>
- [19] <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals>
- [20] <https://schoolofsustainability.asu.edu/>



## Thunderbird School of Global Management policies

For more than 70 years, Thunderbird has been the vanguard for global leadership and management education. Since 1946, Thunderbird has guided exceptional individuals to shape meaningful and impactful careers all over the world --- as entrepreneurs and innovators, as leaders of multinational corporations and family businesses, and as individuals in government agencies, international organizations and in the nonprofit sector.

Today, people live in a time of great upheaval across the globe. The advent of the Fourth Industrial Revolution is transforming people's lives and poses seemingly unlimited opportunities for the achievement of sustainable prosperity and peace in the world. At the same time, the rise of reactionary nationalisms and parochialisms pose a fundamental challenge to the progress made, from decades of global openness and integration, while the perils of overconsumption and climate change have made the planet ever more fragile.

Thus, perhaps more than ever, the world needs Thunderbird graduates possessing contextual global mindsets and unparalleled fluencies to work across countries, across sectors and across cultures.

### Academic integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity policy is strictly enforced for students found in violation of this policy. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. More information is available at <https://provost.asu.edu/academic-integrity> [1].

For more information on graduate specific policies, students should refer to the specific graduate program manual and they should also review <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/academic-integrity> [2].

### Undergraduate policies

#### Academic standing

To maintain satisfactory academic progress, all students in the Thunderbird School of Global Management must:

1. maintain a minimum GPA of 2.00 each semester
2. maintain a minimum cumulative GPA of 2.00

#### Probation

A student is placed on probation at the end of the fall or spring semester if their GPA is less than 2.00.

#### Continuing probation

A student is placed on continuing probation when their cumulative GPA is less than 2.00 for two consecutive semesters but they have shown academic progress.

#### eAdvisor tracking

In addition to being in university good academic standing, all students in the Thunderbird School of Global Management must adhere to ASU critical tracking requirements, per the pertinent major map. Students are off track if they fail to meet ASU critical tracking requirements. For more information on critical tracking courses, students should see <https://webapp4.asu.edu/programs/t5/MajorMaps> [3].

Students who remain in off-track status for two or more consecutive semesters may be required to change majors.

## Disqualification

Students are disqualified from ASU if their cumulative GPA remains less than 2.00 for more than two consecutive semesters. Students who are disqualified are not allowed to enroll in the following fall or spring semester.

## Remediation

Students are required to meet with an academic advisor if they are placed on probation, continuing probation, off-track status or are at risk for disqualification, at which point an appropriate remediation plan will be discussed.

## Advising

Students may contact an academic advisor by emailing: [ugadvising@thunderbird.asu.edu](mailto:ugadvising@thunderbird.asu.edu) [4].

Thunderbird School of Global Management is committed to the personal, social and academic experiences of students by providing high-quality, student-centered academic advising, ensuring the accuracy and accessibility of information and resources, and partnering with students to help them reach their career goals.

Academic advising is required for the following students:

- All first-year and new transfer students are required to meet with an academic advisor before course registration. Thus, first-year students are required to meet with an academic advisor prior to both their first and second semesters.
- Students not in satisfactory academic standing (i.e., probation, continuing probation, off-track status, disqualification, etc.) are required to meet with an academic advisor to discuss a remediation plan.

Faculty and staff utilize academic status reports to provide student feedback over the course of the academic semester and year. Academic status reports may be used to identify students who are struggling academically or professionally or to recognize students who are exceeding in coursework. Academic advisors and faculty mentors may access ASRs to provide students with valuable insight into performance improvement: <https://students.asu.edu/asrr> [5].

## Credit/registration

### Course load

Students are allowed to register for a maximum of 18 credit hours per semester. To register for more than the maximum allowable, students may petition the Thunderbird School of Global Management academic advisor. No student should assume that a petition for overload will be granted. For more information, students should review [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load) [6].

### Transfer work

Transfer credits from other institutions may be accepted and applied based on the student's major. Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades less than "C" (2.00) transfer to ASU. Credits transferred from a community college or two-year institution are applied as lower-division credits. The Thunderbird School of Global Management recommends that students work closely with their academic advisor to determine the process for applying pertinent transfer credit hours to their program of study. For more information on the transfer process and a list of the courses transferable to the various degree programs, students should consult their advisor and refer to the ASU transfer tools at <https://admission.asu.edu/transfer> [7].

### Course prerequisites

Course prerequisites are established to ensure student success in a course. Students must complete all course prerequisites prior to enrolling in the desired course. Prerequisite overrides may be granted under the following conditions:

- A transfer course has been accepted by advisor to fulfill required course prerequisite.
- A prerequisite override has been granted by an advisor, instructor or other authority.

## Grade of incomplete

A grade of incomplete for a course may be granted by permission of the instructor under the following conditions:

- The student is in good standing academically at ASU.
- The student has completed a substantial portion of the required coursework.
- The student has experienced extenuating circumstances prior to the end of the semester, preventing completion of the course: <https://students.asu.edu/forms/incomplete-grade-request> [8].

If qualified, students have one calendar year to complete course requirements. If requirements are not met per the standards agreed upon with the course instructor after one calendar year, the incomplete will be adjusted to reflect a course failure.

## Pass/fail grade option

A grade of "Y" (satisfactory) contributes to a student's earned hours but does not affect the GPA. A failing grade of "E" is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted by the instructor and college offering the course.
- The pass/fail option was chosen during initial registration for the course, if available.

Thunderbird students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy first-year composition requirements
- those taken from the student's major, minor or certificate program
- those taken for honors credits
- those counted toward satisfying Thunderbird general studies requirements
- those counted toward satisfying Thunderbird language and culture proficiency requirements

Pass/fail credit taken at another institution may be petitioned for use, but only if the student can demonstrate proof that the pass grade was equivalent to a "C" (2.00) or greater.

## Withdrawal

### Complete session withdrawal information

Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, undergraduate students are required to contact the college or school of their major to facilitate the withdrawal process.

Students must complete the following steps in the order in which they are listed:

1. Fill out a complete session withdrawal form: <https://students.asu.edu/forms> [9].
2. Make an appointment with their advisor, and take the form to the appointment.

ASU has many resources in place to help students. Students may want to consider one or more of the following:

- **withdraw from just one or two classes (course withdrawal)** -- Students may withdraw from a class while remaining enrolled in other classes as long as the withdrawal is completed between the drop/add deadline and the course withdrawal deadline. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements. Students also are encouraged to contact a financial aid representative to consider any impact withdrawing will have on scholarships, grants and loan packages.
- **request a medical or compassionate withdrawal** -- Medical or compassionate withdrawals are available for students withdrawing from one or more classes due to extraordinary personal mental or physical health conditions or the death or serious illness of a family member or close friend. If approved, students are allowed one medical or compassionate withdrawal during their academic career with Thunderbird. For information concerning medical or compassionate withdrawal requests, students should see <https://students.asu.edu/forms/medical->

compassionate-withdrawal-request [10], and they may obtain the form here:  
<https://students.asu.edu/files/Medical-Compassionate%20Withdrawal%20Request.pdf> [11].

- **seek tutoring or academic support services** --The Student Success Center provides a variety of services to help students become better learners and gain the confidence and skills to achieve their academic goals. Services include writing centers, math tutoring, subject area tutoring and supplemental instruction. For more information concerning the Student Success Center, students should visit <https://tutoring.asu.edu/student-services/tutoring> [12].
- **make an appointment with ASU's Counseling Services** -- Counseling and mental health services are provided at each of the four ASU campuses. ASU students may seek services at any of the campus counseling centers, regardless of their college affiliation. For more information, students should visit <https://eoss.asu.edu/counseling/location> [13].
- **explore the possibility of an "I" (incomplete) grade**

The following are possible consequences that result from a complete session withdrawal:

- **financial aid** -- Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal of financial aid depends on when the withdrawal is dated and the type of financial aid. More information is at <https://students.asu.edu/financialaid> [14].
- **tuition and refunds** -- The date of a complete withdrawal will determine whether or not a tuition refund will be generated. Students should review the tuition refund policy for more information: <https://students.asu.edu/tuitionrefundpolicy> [15].
- **health insurance** -- Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- **University Housing** -- Students who live on campus should contact their residence hall community staff to determine what impact withdrawing will have on their eligibility to live on campus; to complete a license agreement release form; and to arrange an appointment to officially check out. More information is at <https://housing.asu.edu/housing-communities/residential-colleges/casa-de-oro> [16].
- **veteran benefits and certifications** -- Students should contact the appropriate veteran benefits and certifications office to discuss information regarding veterans' educational benefits and military activation. For more information, students should email [w.westvso@asu.edu](mailto:w.westvso@asu.edu) [17] or visit <https://veterans.asu.edu> [18].

For general university withdrawal procedures, students should see <https://students.asu.edu/drop-add> [19].

## Degree requirements

All candidates for graduation in the BGM or BS curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division coursework. A minimum cumulative GPA of 2.00 is required for graduation.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.

To graduate, a student must satisfy the following requirements:

1. ASU 101 or equivalent (first-year students)
2. college proficiency requirements for language
3. university first-year composition and General Studies requirements
4. an additional combined six credit hours of literacy (L) (three hours total) and humanities, arts and design (HU)/social-behavioral sciences (SB) (three hours total) at the upper-division level, in addition to 29 credit hours of General Studies coursework
5. major requirements that involve concentrated coursework in one program
6. successful completion of critical-tracking courses as required on the student's major map

For more information regarding eAdvisor tools, students should visit <https://eadvisor.asu.edu> [20].

## Language proficiency requirement

Each student is required to demonstrate proficiency in the analysis of language by passing an examination or by completing the courses specified below with a grade of "C" (2.00) or greater in each course. Students considering

graduate work after completion of the bachelor's degree should consult with faculty advisors regarding language requirements in their intended areas of study. Students should see the program major map for the specific language requirement and contact the advising office for information on applicable coursework.

The language proficiency requirement may be satisfied through one of the following:

- completion of secondary education at a school in which the language of instruction is not English
- completion of a language course at the intermediate level (202 or equivalent)
- completion of an upper-division course or courses taught in a foreign language, taken in the United States or the relevant country
- completion of six credit hours of upper-division courses that have the global awareness designation (G) or cultural diversity in the U.S. designation (C) in addition to the courses used to meet the university General Studies requirements

Students whose native language is not English who choose to take a second language must meet or exceed a TOEFL score of 100 or more to register for a non-English language class in the first or second semesters. All students whose native language is not English may register for a language class in their third semester. The first two semesters of English immersion will solidify their English proficiency before a new language is attempted.

### **Concurrent degrees**

Students who are interested in pursuing concurrent degrees may petition the Thunderbird School of Global Management Standards Committee through their academic advisor:

[https://catalog.asu.edu/sites/default/files/attachment/tbird\\_concurrent\\_degree\\_petition.pdf](https://catalog.asu.edu/sites/default/files/attachment/tbird_concurrent_degree_petition.pdf) [21].

Thunderbird School of Global Management requires that students interested in applying for a concurrent degree meet the following criteria:

1. a minimum cumulative GPA of 3.00
2. have completed 30 credit hours in their first program of study
3. have completed a full fall or spring semester at ASU
4. must complete 30 credit hours unique to each program
5. must follow approval criteria procedures for both colleges

For more information on degree requirements, students should see <https://students.asu.edu/programs/> [22].

### **Minors**

Thunderbird students may pursue minors in other colleges at ASU. Courses used in the minor may not be used in the student's major program: <https://catalog.asu.edu/index.php?q=minors> [23].

### **Readmission**

Undergraduate degree-seeking students are eligible to return through Quick Re-entry [24] if they previously attended ASU but have not enrolled at ASU for up to seven consecutive semesters. These students are not required to submit a new application or application fee, but they must contact a Thunderbird academic advisor to enroll.

Undergraduates who have been away from the university for eight or more semesters and want to return to ASU in a Thunderbird program are required to apply for readmission through Admission Services:

<https://admission.asu.edu/undergrad/readmission> [25].

Disqualified students must follow the procedures for readmission; requests will be reviewed by the college on a case-by-case basis.

## Other special requirements

### Grievance policy

Undergraduate students with grievances pertaining to an enrolled course should first address issues with the course instructor. If an identified grievance is not resolved with the course instructor, the student should next seek resolution through the academic advisor, and lastly from Thunderbird's academic director of undergraduate programs. Finally, if no resolution has been achieved, the student should contact the dean of faculty at Thunderbird School of Global Management.

## Graduate policies

### Academic progression

Each graduate program in the Thunderbird School of Global Management adheres to specific academic requirements. Students are strongly encouraged to become familiar with the expectations listed for their respective graduate program as well as review ASU graduate education policies found at <https://graduate.asu.edu/policies-procedures> [23] and in the Thunderbird Graduate Student Handbook. Each student should also communicate directly with the program coordinator or academic advisor to ensure a clear understanding of all degree requirements and program expectations. Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and must abide by all university policies including those of the Graduate College and the Thunderbird School of Global Management.

All Thunderbird graduate programs require a minimum cumulative, graduate and iPOS GPA of 3.00. Students should see the individual graduate degree programs for additional requirements on satisfactory academic progress, probation and disqualification.

### Credit/registration

Because of the intensity of the Thunderbird graduate programs, the maximum number of credit hours students may take each semester may be limited. Students should see the Thunderbird Graduate Student Handbook for more information.

Students may petition the Thunderbird School of Global Management Standards Committee through their academic director to register for more than the maximum allowable number of credit hours. No student should assume that a petition for overload will be granted.

**Source URL:** <https://catalog.asu.edu/policies/global-management>

### Links:

- [1] <https://provost.asu.edu/academic-integrity>
- [2] <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/academic-integrity>
- [3] <https://webapp4.asu.edu/programs/t5/MajorMaps>
- [4] <mailto:ugadvising@thunderbird.asu.edu>
- [5] <https://students.asu.edu/asrr>
- [6] [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load)
- [7] <https://admission.asu.edu/transfer>
- [8] <https://students.asu.edu/forms/incomplete-grade-request>
- [9] <https://students.asu.edu/forms>
- [10] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>
- [11] <https://students.asu.edu/files/Medical-Compassionate%20Withdrawal%20Request.pdf>
- [12] <https://tutoring.asu.edu/student-services/tutoring>
- [13] <https://eoss.asu.edu/counseling/location>
- [14] <https://students.asu.edu/financialaid>
- [15] <https://students.asu.edu/tuitionrefundpolicy>

- [16] <https://housing.asu.edu/housing-communities/residential-colleges/casa-de-oro>
- [17] <mailto:w.westvso@asu.edu>
- [18] <https://veterans.asu.edu/>
- [19] <https://students.asu.edu/drop-add>
- [20] <https://eadvisor.asu.edu/>
- [21] [https://catalog.asu.edu/sites/default/files/attachment/tbird\\_concurrent\\_degree\\_petition.pdf](https://catalog.asu.edu/sites/default/files/attachment/tbird_concurrent_degree_petition.pdf)
- [22] <https://students.asu.edu/programs/>
- [23] <https://catalog.asu.edu/index.php?q=minors>
- [24] <https://catalog.asu.edu/glossary#quickreentry>
- [25] <https://admission.asu.edu/undergrad/readmission>
- [26] <https://graduate.asu.edu/policies-procedures>

# College of Health Solutions

The College of Health Solutions translates health research and discovery into practice and prepares students to address the challenges facing people to stay healthy, improve their health and manage chronic disease. Programs are offered in biomedical informatics and biomedical diagnostics; kinesiology, sports and exercise science; health care delivery; nutrition; population health; and speech and hearing science. Students, faculty and staff at the College of Health Solutions work together toward a common goal of improving health outcomes by optimizing health and human performance across the lifespan and addressing systems of health care and health needs of populations. Graduates of the college are uniquely prepared to make an impact in the health workforce and shift the focus of health from sickness to wellness.

## Academic integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity policy is strictly enforced, and for students found in violation of this policy possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. More information is available at <https://provost.asu.edu/academic-integrity> [1].

For more information on graduate-specific policies, students should refer to the specific graduate program manual, and they should review <https://graduate.asu.edu/academic-integrity> [2].

### **Procedure:**

Any student, staff member or faculty member may report a suspected violation of the university's academic integrity policy. If a student is suspected of violating the academic integrity policy, the individual who suspects the violation will contact the college's academic integrity officer to discuss details and proposal of a sanction. The academic integrity officer will communicate to the student regarding the alleged violation, giving the student the opportunity to respond. Once an investigation has taken place and a determination made as to whether it is more likely than not that the student did violate the academic integrity policy of the university, the officer will send communication of the official sanction to the student along with steps by which the student may appeal the decision. If the student decides to appeal, he or she must meet with the officer to discuss hearing procedures.

After meeting with the academic integrity officer following the receipt of the sanction, a student may appeal to the College of Health Solutions Academic Standards and Grievances Committee. Students should be aware that if an appeal is heard, the committee could award a sanction more severe than that originally proposed. Students have 10 working days from the date of the meeting with the AIO to initiate an appeal. After the 10 days, the sanction determined by the academic integrity officer is imposed and the matter will be closed.

The college's Academic Standards and Grievances Committee is a body composed of faculty from across the college and includes one student member. It meets no more than once a month during regular fall and spring semesters but not during summer, winter or the midterm breaks. After hearing the case, the committee deliberates and makes a written recommendation to the dean for review. The final decision of the dean is communicated to the student and all appropriate parties in writing.

Unless a student successfully appeals the finding that an academic integrity policy violation has occurred, the academic integrity officer will maintain a record of the incident and the sanctions on the university database. If students are found to have committed prior academic integrity violations, the intensity of sanctions will increase beyond the level which might have been warranted by the current offense.



## Undergraduate policies

### Academic good standing

For the purpose of retention, university academic good standing [3] for degree-seeking students is defined as maintaining a minimum cumulative GPA of 2.00. This standard is in effect for all students, regardless of catalog year, beginning in fall 2013.

An ASU student who does not achieve the minimum GPA standard at the completion of the first term of study will receive an academic warning [4]. If after one term with an academic warning a student still does not achieve the minimum GPA standard, the student will be placed on probation for at least one additional term. If a student's minimum GPA first falls below the standard in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

A student with an academic warning or on academic probation is considered in conditional good standing and is permitted to enroll.

Whether a student's status is an academic warning or probation, the student must follow the guidelines provided in their notification from the college which could include either meeting with an academic success advisor or academic success advising coordinator or completing an online course to review academic success strategies for the subsequent semester and developing a success plan for returning to university academic good standing. That plan may require successful completion of UNI 220 Academic Refresher. In addition, students who have fewer than 24 credit hours are required to participate in the ASU Pathway for Achieving Student Success program [5].

### Continuing probation

Students are placed on continuing probation when their cumulative GPA is less than 2.00 for two consecutive semesters but they have shown academic progress and not earned less than a "C" in any course in the most recent semester.

### eAdvisor tracking

In addition to being in university good academic standing, all students in the College of Health Solutions must adhere to ASU critical tracking coursework [6], per the pertinent major map. For more information on critical tracking courses, students should review the major map for their degree program. Students are off track if they fail to meet ASU critical tracking requirements for two consecutive semesters. All off-track students will receive a hold requiring them to meet with their academic advisor and set a plan for getting back on track with their degree program.

Examples:

- Speech and hearing science majors must maintain a GPA of 2.80 in ASU critically tracked courses.
- Dietetics students must maintain a cumulative GPA of 3.00.
- Medical studies students must maintain a cumulative GPA of 3.00.
- Kinesiology students must maintain a cumulative GPA of 3.00.
- Exercise and Wellness students must maintain a cumulative GPA of 3.00 by term 3.
- Sports Science and Performance Programming students must maintain a cumulative GPA of 2.50 by term 3.

Students who remain off track for two or more consecutive semesters may be required to change majors to a program that does not have the same critically tracked courses. For example, students not succeeding in chemistry may not change into another major that also critically tracks chemistry courses.

### Disqualification

Students are disqualified from the College of Health Solutions and ASU if their cumulative GPA remains less than 2.00 for two consecutive semesters after being placed on probation. Students who are disqualified cannot enroll in classes at ASU for a minimum of two semesters (fall and spring). Disqualified students may take courses during the summer to raise their GPA; however, this does not guarantee reinstatement for the following fall semester. Disqualified students must apply for readmission or reinstatement for the semester they wish to return to the university. The college will not reinstate a student

into any major whose purpose is to prepare students for professional school or professional credentialing nor will the college reinstate students into majors where they have failed to complete a required course twice at ASU.

## Remediation

Students are required to meet with an academic advisor if they are placed on probation, continuing probation, off-track status or are at risk for disqualification, at which point an appropriate remediation plan will be discussed.

## Advising

The Student Success Hub in the College of Health Solutions is committed to maximizing the personal, social and academic experiences of students by providing high-quality, student-centered academic advising, ensuring the accuracy and accessibility of information and resources, and partnering with students to help them reach their career goals in health and the health care industry. Advisors are available to meet with students in each of the undergraduate programs in person, by email and by phone.

Academic advising is required for the following students:

1. All freshman and new transfer students are required to meet with an academic advisor prior to course registration.
2. Students not in satisfactory academic standing (i.e., probation, continuing probation, off-track status, disqualification, etc.) are required to meet with an academic advisor to discuss a remediation plan.

Faculty and staff utilize Academic Status Reports [7] to provide student feedback over the course of the academic semester. The ASRs may be used to identify students who are struggling academically or professionally or to recognize students who are doing well. Academic advisors and faculty mentors may access ASRs to provide students with valuable insight into performance improvement.

In order to be successful in the College of Health Solutions, students are strongly encouraged to be proficient in the basic concepts in writing, math and science. Students are encouraged to use the following resources.

## Tutoring and academic support

Student Success Centers, located on all ASU campuses, offer free academic support resources for all students including:

- tutoring [8] – In-person and online tutoring options are available.
- writing support [9] – Students may receive help with a class writing assignment, a resume and all other writing needs, from structuring a paper to proofreading.
- structured study groups [10] – Classmates get together to discuss concepts, compare notes and share strategies.

ASU Libraries, located on all ASU campuses, offer free online and in-person research support for all students including:

- subject librarians [11] – Research experts in each major are available to work one-on-one, and students are encouraged to make an appointment.
- ask a librarian [12] – Students receive help via chat (24/7), email, phone or by visiting one of the library information desks.
- library guides [13]– Quick access to the best library resources is available online for specific majors, subjects and courses.

## Career services

ASU Career and Professional Development Services [14] offers students, alumni and employers services on four university campuses across the Phoenix metropolitan area. Each location offers services such as career advising, interview and resume preparation, class and group presentations, on-campus recruitment and interviewing space, and recruitment and networking events.

## Credit/registration

For fall or spring semesters, a minimum full-time course load for an undergraduate student is 12 credit hours. The maximum course load for which a student may register is 18 credit hours during a fall or spring semester, with a maximum

of nine credit hours in session A and B, and the load limit may not exceed a total of 18 credit hours for any combination of sessions. A student wishing to register for more than the maximum must petition the college standards committee [15] and must obtain an approved overload prior to registration. The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed a total of 14 credit hours for any combination of sessions.

### **Graduate credits earned by undergraduate students**

ASU undergraduate students who have achieved senior status (cannot be postbaccalaureate) with a cumulative GPA of 3.00 or greater may count up to 12 graduate-level credit hours with grades of “B” or better that were not used toward a previous degree toward their graduate degree at ASU (preadmission credit hours) with the approval of the degree program and the Graduate College. Preadmission credits must have been taken within three years of admittance to the ASU degree program to be accepted.

Accelerated bachelor’s/master’s programs may use a maximum of 12 preadmission credits which may include up to a maximum of 12 hours shared between the programs. Students in accelerated programs should contact their advisor to ensure proper sharing of credit hours. If a student has been accepted to an accelerated degree program, they do not have to petition the standards committee to take the shared courses.

Before registering for a graduate-level course, students must petition [15] the College of Health Solutions Academic Standards and Grievance Committee through the Academic Advising Office for permission to enroll in a specific course.

## **Degree requirements**

### **Concurrent degrees**

Students at Arizona State University are permitted to pursue concurrent degrees as long as they meet the requirements for both programs and receive permission in advance from the colleges offering their chosen majors. For example, a student in the exercise and wellness degree program may also petition to pursue a degree in Spanish. A student interested in pursuing a concurrent option may petition the College of Health Solutions Standards Committee if both degrees are offered by this college. If the second degree is offered by another college, the standards committees of both colleges must be petitioned separately.

Students earn a separate diploma for each degree. Degrees may not be too closely related.

### **Minimum requirements**

1. sophomore standing or higher
2. minimum GPA of 3.00
3. minimum of 12 hours of coursework completed in the first major
4. minimum of nine hours of coursework completed in the second major
5. minimum of 30 unique hours of coursework in each major

In order to begin the process in the College of Health Solutions, students must petition [16] the college standards committee.

## **Reinstatement/readmission**

Disqualified students who have missed a fall or spring semester must follow ASU procedures for readmission [17]. Students also are required to meet with a College of Health Solutions academic success advisor prior to course enrollment. Exceptions may apply, including for students on leaves of absence and students who serve in the military. The college will not reinstate a student into any major that is meant to prepare students for professional school or professional credentialing nor will the college reinstate students into majors in which they have failed to complete a required course twice at ASU.

## Special considerations

### Medical or compassionate withdrawals

Medical or compassionate withdrawals are available for students needing to withdraw from a semester due to a personal mental or physical health condition or the death or serious illness of a close family member. More information concerning medical or compassionate withdrawal requests can be found here [18]. Students must meet specific criteria for a medical or compassionate withdrawal and must be able to provide the college's medical or compassionate withdrawal designee with supporting documentation. Students who are eligible or have questions about eligibility are encouraged to meet with their academic advisor.

### Military

Students with military or veteran status should utilize the Pat Tillman Veterans Center [19].

### Americans with Disabilities Act (ADA)

The College of Health Solutions is supportive of and compliant with the Americans with Disabilities Act. Reasonable accommodations will be made for qualified students. Reasonable accommodation is defined as the provision of an auxiliary aid or modification to the course or program which will allow access to the job duties, the educational process, program and degree, or activity. Students are encouraged to visit Student Accessibility and Inclusive Learning Services [20].

The Americans with Disabilities Act (ADA) 1990 provides comprehensive Civil Rights protection and is designed to remove barriers which prevent persons with disabilities from accessing the same educational and employment opportunities as persons without disabilities. The law also provides access to public accommodations, state and local government services, transportation, and telecommunications. The Americans with Disabilities Act also prohibits discrimination against a qualified individual with a disability with regard to admission to educational institutions or vocational training programs (public or private); employee compensation; job training; and other terms, conditions and privileges of employment.

Students must fulfill all requirements of their individual programs to remain in good academic standing and abide by all university policies including those of the Graduate College (if applicable) and the College of Health Solutions.

### Title IX policy

Title IX of the Education Amendments of 1972 protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. Sexual harassment, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX. ASU does not discriminate on the basis of sex in the employment, education programs or activities it operates. ASU and the College of Health Solutions are committed to providing an environment free from discrimination based on sex and provide a number of resources and services to assist students, faculty and staff in addressing issues involving sex discrimination, including sexual violence. Victims of sexual violence, sexual harassment, stalking and relationship violence are encouraged to seek support and report the incident.

## Graduate policies

### Academic integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy [2] is strictly enforced for students found in violation. Possible sanctions could include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. For more information, students should refer to the specific graduate program manual.

## Academic standing

Each graduate program in the College of Health Solutions adheres to specific academic requirements. Students are strongly encouraged to become familiar with the expectations listed in their respective graduate program manual.

## Academic advising

It is important for graduate students in the College of Health Solutions to cultivate the following skills in their development as a health professional:

1. Proactively identify problems and possible solutions.
2. Accept feedback in a positive manner.
3. Modify performance in response to feedback.
4. Communicate with others in a respectful and confident manner.
5. Assume responsibility for learning.

Academic advising at the graduate level is facilitated by graduate support staff located in the Student Success Hub on the 4th floor of the Health North building.

Faculty advisors meet with students in the academic area of concentration.

## Special considerations

### Medical or compassionate withdrawals

Medical or compassionate withdrawals are available for students needing to withdraw from a semester due to a personal mental or physical health condition or the death or serious illness of a close family member. More information concerning medical or compassionate withdrawal requests can be found on the students.asu.edu site [18]. Students must meet specific criteria for a medical or compassionate withdrawal and must be able to provide the College's medical or compassionate withdrawal designee with supporting documentation. Students who are eligible or have questions about eligibility are encouraged to meet with their academic advisor.

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Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of the Graduate College and the College of Health Solutions.

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**Source URL:** <https://catalog.asu.edu/policies/chs>

### **Links:**

- [1] <https://provost.asu.edu/academic-integrity>
- [2] <https://graduate.asu.edu/academic-integrity>
- [3] <https://catalog.asu.edu/glossary#goodstanding>
- [4] <https://catalog.asu.edu/glossary#warning>
- [5] <https://studentsuccess.asu.edu/success-programs/pass>
- [6] <https://eadvisor.asu.edu/>
- [7] <https://students.asu.edu/asrr>
- [8] <https://tutoring.asu.edu/student-services/tutoring>
- [9] <https://tutoring.asu.edu/student-services/writing-centers>
- [10] <https://tutoring.asu.edu/student-services/studygroups>
- [11] <http://lib.asu.edu/librarians>
- [12] <http://lib.asu.edu/help>
- [13] <http://libguides.asu.edu/>
- [14] <https://eoss.asu.edu/cs/>
- [15] <https://chs.asu.edu/students/advising-forms>
- [16] <https://students.chs.asu.edu/advising/academic-advising-forms>
- [17] <https://admission.asu.edu/undergrad/readmission>
- [18] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>
- [19] <https://veterans.asu.edu/>
- [20] <https://eoss.asu.edu/drc>

## Honors - Barrett, the Honors College policies

Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records, high school class ranking within their graduating class, and their performances on the SAT or ACT. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have unusual life experiences and display significant community involvement. High school GPAs used in the evaluation process are calculated in accordance with the Arizona Board of Regents competency requirements, pursuant to ABOR Policy 2-102.

The Barrett admission application and additional information about the college and its activities are available at <https://barretthonors.asu.edu> [1].

### Undergraduate policies

#### Advising

Barrett students have advisors in their major, an assigned Barrett honors advisor [2], and faculty honors advisors in departments throughout the university. Students are encouraged to stay in regular contact with all these resources and are required to complete mandatory advising sessions with their Barrett honors advisor during the first, second and third year of study. To schedule an appointment with a Barrett honors advisor, students should call 480-965-9155 (Tempe campus), 602-496-1757 (Downtown Phoenix campus), 480-727-5539 (Polytechnic campus) or 602-543-3410 (West campus).

Students can review honors opportunities in majors at <https://barretthonors.asu.edu> [1]. There are also special prelaw and prehealth advising opportunities for Barrett students. Students should contact the Barrett advising office for more information.

#### Degree requirements

##### Barrett academic course requirements

Honors students must maintain high standards of academic performance and show progress toward completion of graduation requirements in their disciplinary majors and in Barrett.

In order to graduate from Barrett, students must complete the following, which includes 36 credit hours of honors coursework:

1. HON 171 The Human Event and HON 272 The Human Event must be completed in sequence during a student's first two semesters in the college.
2. Thirty additional credit hours of honors coursework must be earned with a letter grade of "C" (2.00) or higher. This may include HON prefix classes, honors sections of classes, honors enrichment contracts or any automatic honors course.
3. Included in the 36 credit hours of honors coursework are at least 18 hours of upper-division or graduate-level honors credits for an earned letter grade of "C" (2.00) or higher, including six credit hours of honors coursework outside the academic major. Students should investigate specialized honors, upper-division tracks within their majors.
4. Those admitted as upper-division transfer students (students who, after high school, completed 48 university credits by the time of planned enrollment in Barrett) must complete HON 370 History of Ideas and 18 hours of upper-division honors coursework, six credits of which must be outside the academic major. Upper-division transfer students are required to complete 21 hours of upper-division honors coursework.

5. Students are required to complete an honors thesis or creative project that will earn them a maximum of six credit hours. These credit hours will be included in the 18 required hours of upper-division honors coursework. The honors thesis or creative project is launched with a prospectus that is due one academic semester before the defense. Prior to enrolling for credit for a thesis or for creative project work, students must complete a required preparatory workshop or course. The final copy of the honors thesis or creative project must be filed by the posted deadline during the student's graduation semester.
6. ASU graduation requirements in an academic major must be met.
7. Students must earn a cumulative GPA of 3.25 or higher by graduation.

Barrett course requirements may be met in a variety of ways. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet Barrett requirements.

Those entering the college as lower-division students may take as many as 18 lower-division honors credits, which include HON 171 The Human Event and HON 272 The Human Event, and at least 18 upper-division credits (total honors credits must be 36). HON 171 and HON 272 are transdisciplinary seminars that acquaint students with ideas that form the foundation of a university education and emphasize critical thinking, discussion, and writing.

Those who enter as upper-division students must take 21 upper-division honors credits, including HON 370 History of Ideas taught by an Honors Faculty Fellow. This seminar course introduces students to critical thinking, discussion, and writing in a topical area chosen by the instructor. All students are expected to complete this course during the first semester upon entering Barrett.

Departmental honors-only courses are limited to honors students. Enrollment in these courses is limited. Compared to their nonhonors equivalents, these courses are designed to offer a richer, more complex intellectual experience appropriate to the discipline and the level of the course for all students enrolled. Other disciplinary honors courses group honors students in small cohorts to work on research projects of common interest.

Honors enrichment contracts are available in many departmental courses, allowing honors students to contract with the instructors of designated non-honors courses to earn honors credit by pursuing enrichment activities, which include supplemental sessions with the instructor. Honors enrichment contracts must be filed during the first four weeks of class and be completed during the semester in which the course is offered. The enrichment contract form offers guidelines to aid students and faculty in developing appropriate contracts.

Courses reserved for students in Barrett and that always count for honors credit are those listed in the online ASU Class Search/Course Catalog [3] as course numbers 492 Honors Directed Study, 493 Honors Thesis, and 497 Honors Colloquium; all classes with the HON prefix; and those with a departmental prefix that carry the honors designation.

Departmental courses numbered 492 and 493 are reserved for honors students completing their honors thesis or creative project. A student may enroll for these courses only with approval from the sponsoring academic department and the faculty member who serves as the student's thesis or creative project director. Course numbers listed in the ASU schedule of classes as 493 fulfill the student's upper-division literacy and critical inquiry (L) General Studies requirement.

Specific courses carry automatic honors credit. These include ACT 310 Mathematics of Finance, ACT 430 Mathematics of Financial Derivatives, CHE 211 Introduction to Chemical Processing, CEE/CNE 212 Engineering Mechanics II: Dynamics, CEE 486 Integrated Civil Engineering Design, CPI 310 Web-Based Information Management Systems, CSE 230 Computer Organization and Assembly Language Programming, EEE 230 Computer Organization and Assembly Language Programming, ENG 105 Advanced First-Year Composition, FSE 104 EPICS Gold Feasibility and Planning, FSE 150 Perspectives in Grand Challenges for Engineering, GRK 101 Elementary Ancient Greek, LAT 421 Roman Literature, PHY 201 Mathematical Methods in Physics I, and PHY 333 Electronic Circuits and Measurements. Graduate courses, 500 level and above, taught in an in-person format automatically earn honors credit.

For a full list of honors courses, including those that carry automatic honors credit, students should visit the Barrett Signature Courses webpage [4] and review the Honors Courses document.



**Source URL:** <https://catalog.asu.edu/policies/barrett>

**Links:**

[1] <https://barretthonors.asu.edu/>

[2] <https://barretthonors.asu.edu/academics/advising-and-requirements>

[3] <https://webapp4.asu.edu/catalog/>

[4] <https://barretthonors.asu.edu/academics/honors-courses-and-contracts/signature-courses>

# College of Integrative Sciences and Arts policies

The College of Integrative Sciences and Arts provides students throughout the university with the knowledge and skills to comprehend and effectively engage the changing world of the 21st century at local, national and global levels. The college offers graduate and undergraduate degree programs that prepare students for a rapidly changing marketplace and offers foundational instruction in humanities, social sciences, mathematics, sciences and professional fields.

## Academic integrity

Academic honesty is expected of all students in all examinations, papers, projects, partnerships, internships, academic transactions and records. Possible sanctions include appropriate grade penalties, loss of registration privileges and disqualification. The College of Integrative Sciences and Arts adheres strictly to the ASU Academic Integrity policy, and all concerns related to academic integrity must be reported to the college's academic integrity officer.

A copy of the policy may be obtained online at <https://provost.asu.edu/academic-integrity> [1]. To learn more about academic integrity for CISA students or to report a concern, students should visit <https://cisa.asu.edu/academic-integrity/students#> [2].

## Undergraduate policies

### Academic standing

To be considered in academic good standing in the College of Integrative Sciences and Arts, students must achieve a cumulative GPA of 2.00 or higher.

### Academic warning

Students who do not achieve a 2.00 GPA at the completion of their first term of study will be placed on academic warning. Upon the completion of a second term, students who achieve a cumulative GPA of 2.00 or higher will be placed in university good standing. Students who do not achieve a cumulative GPA of 2.00 or higher after the completion of a second term will be placed on university academic probation.

### Probation

Students who do not achieve a 2.00 GPA will be placed on university academic probation and must meet with an academic success advisor to discuss academic success strategies. Students on academic probation will be required to take UNI 220 Mindset Connections. UNI 220 will appear on the students' DARS as a graduation requirement.

Within one semester, a student on academic probation must do one of the following:

1. Achieve a cumulative ASU GPA of 2.00 or higher, to return to academic good standing.
2. Obtain a semester GPA of 2.00 or higher, to be continued on probation. Students on continued academic probation may continue for as many semesters as needed to achieve academic good standing.

### Disqualification

Students who fail to meet the criteria for continued probation may be disqualified from ASU. Students who have been disqualified may attend summer sessions but not fall or spring sessions.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet ASU academic good standing (2.00). Failure to do so will result in disqualification from the university.

## Academic policy appeals

Academic appeals regarding college policies or other variances or exceptions should be discussed with the student's academic success advisor, and students may be required to submit a College of Integrative Sciences and Arts Standards Committee petition. Some petitions may require a secondary review by the ASU University Undergraduate Standards Committee. For more details, students should visit [https://cisa.asu.edu/standards\\_petitions](https://cisa.asu.edu/standards_petitions) [3].

## Academic advising

All students are encouraged to seek advising from their academic success advisor prior to registration. Students must review the academic calendar [4] each semester for information and deadlines pertaining to enrollment including course adds, drops and withdrawals.

The ASU academic catalog is the governing source for all degree requirements. Students are expected to read the requirements for university general studies, college graduation and major degree requirements.

**Advising Information:** <https://cisa.asu.edu/advising> [5]

## Mandatory Advising

The following students in the College of Integrative Sciences and Arts must receive advising clearance prior to course registration:

- new students in their first semester of attendance
- readmitted students in their first returning semester
- students on academic probation or continued probation
- students who have been disqualified
- students who are off track for graduation

Students are encouraged to use My ASU to check their advising status requirements each semester before attempting any registration transactions.

## Credit/registration

Students enrolling in courses offered by the College of Integrative Sciences and Arts are expected to follow the rules and deadlines specified in this catalog and the current registration and tuition payment guide. Students are encouraged to meet with their academic success advisors prior to registration.

## Course load

Students may enroll in a maximum number of 18 credit hours per fall or spring semester, with a maximum number of nine credits taken in session A or Session B. Students may enroll in a maximum of 14 credits for a summer session, with no more than seven credits in session A or B. Students may enroll in a maximum of nine credits for the summer session C (eight weeks).

- First-semester first-year students and entering transfer students are not permitted to register for more than 18 credit hours in the initial 15-week semester or nine credit hours in session A and nine credit hours in session B.
- Any student wishing to enroll in more than the 18 credit hour limit in the fall or spring (or 14 in summer) or more than the nine credit hour limit in an A or B session (or seven hour limit in summer) should first meet with their academic success advisor to discuss a course overload. Some overload requests may require College of Integrative Sciences and Arts standards petition approval.

For more details on credit hour limits, students should visit [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load) [6]. More details on the petitioning process are available at [https://cisa.asu.edu/standards\\_petitions](https://cisa.asu.edu/standards_petitions) [3].

## Repeat/replace policy

Students wishing to repeat courses and possibly replace prior course grades must follow the repeat/replace policy [7] stated in the University Student Services Manual [8] regarding the number of credit hours that can be repeated and the types of courses that are eligible for a grade replacement.

Students wishing to repeat a course for a third time must petition the College of Integrative Sciences and Arts Standards Committee.

## Pass/fail grade options

A grade of “Y” (satisfactory) contributes to a student’s earned hours but does not affect the GPA. A failing grade of “E” is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted from the instructor and college offering the course.
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.
- A maximum of 12 hours taken for pass/fail may be counted toward graduation.

## College of Integrative Sciences and Arts students may not enroll under the pass/fail option in the following courses:

- first-year composition requirements
- major, minor, concentration area, or certificate program
- honors credits
- language proficiency requirements
- general studies requirements

## Audit grade option

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses. This grade option may not be changed after the drop/add period.

## Degree requirements

All candidates for graduation are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation. All new College of Integrative Sciences and Arts first-year students are required to enroll in an ASU 101 course during their first ASU semester.

## Minors

The college offers minors in many of its disciplines. All minors must entail a minimum of 15 credit hours in the discipline with at least 12 of those hours as upper-division courses.

- Six of the upper-division hours must be taken from courses offered by the College of Integrative Sciences and Arts.
- Students may not use courses in their minors toward major core requirements and, similarly, students may not use courses in their major core requirements to fill the requirements of their minors. Students should see an academic success specialist for more details.
- Some disciplines are too close in content for a student to choose a particular combination of minor and major.

## Concurrent degrees

The college allows students to request approval from the college to pursue a concurrent degree if they have completed at least 30 graded credit hours with a minimum GPA of 2.00. Concurrent degrees may not be from the same discipline or have overlap in the courses required for each major. Students must earn at least 30 unique credit hours for each degree.

To request a concurrent degree, students must meet with an academic success advisor in each degree program and complete a College of Integrative Sciences and Arts Standards Petition form available at [https://cisa.asu.edu/standards\\_petitions](https://cisa.asu.edu/standards_petitions) [3].

### **Critical and necessary requirements**

All undergraduate majors at ASU provide an eight-term course plan leading to four-year graduation; it is called a major map. College of Integrative Sciences and Arts students must meet the critical and necessary requirements listed on their major maps.

A student who does not comply with the critical requirements is off track and will have a hold placed on their record preventing enrollment. To remove the enrollment hold, the student will be required to meet with a College of Integrative Sciences and Arts academic success advisor to discuss their progression toward graduation. For more information about critical requirements, students should refer to the corresponding major map or eAdvisor: <https://eadvisor.asu.edu/> [9]

### **Readmission**

Students who have been disqualified from ASU may be readmitted to the College of Integrative Sciences and Arts for a fall or spring semester if they complete one of the following:

1. Achieve a cumulative ASU GPA of 2.00 by taking ASU summer session courses.
2. Complete 12 or more transferable credit hours at a community college or university with no grade lower than a “C” and a GPA of 2.50 or better. Courses in which the student failed or received a “D” at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet the required 2.00 GPA to remain at ASU. Failure to do so will result in disqualification from the university.

### **Graduate policies**

Students should review graduate policies at <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals> [10].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those established by the Graduate College and the College of Integrative Sciences and Arts.

**Source URL:** <https://catalog.asu.edu/policies/sls>

#### **Links:**

[1] <https://provost.asu.edu/academic-integrity>

[2] <https://cisa.asu.edu/academic-integrity/students#>

[3] [https://cisa.asu.edu/standards\\_petitions](https://cisa.asu.edu/standards_petitions)

[4] <https://students.asu.edu/academic-calendar>

[5] <https://cisa.asu.edu/advising>

[6] [https://catalog.asu.edu/course\\_load](https://catalog.asu.edu/course_load)

[7] <http://www.asu.edu/aad/manuals/ssm/ssm203-06.html>

[8] <http://www.asu.edu/aad/manuals/ssm/index.html>

[9] <https://eadvisor.asu.edu/>

[10] <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals>

## New College of Interdisciplinary Arts and Sciences policies

New College offers interdisciplinary programs built upon the foundation of disciplines such as English, history, philosophy, psychology, forensic psychology, social justice and human rights, sociology, communication, mathematics, biology and statistics. Through unique combinations and innovative partnerships, we offer degrees ranging from forensic science and applied computing to Latin American studies, interdisciplinary arts and performance, conflict resolution, political science, and much more. Our degrees provide students with 21st century skills, allowing them to contribute meaningfully to solving the most critical and complex challenges of today and tomorrow. Our students are prepared to steward sustainable societies that incorporate ethics and a respect for human rights, a regard for the environment, and an appreciation of culture and language while at the forefront of innovation in science and technology.

For more information, students should see <https://newcollege.asu.edu/> [1].

### Academic integrity

The New College of Interdisciplinary Arts and Sciences adheres to ASU's Student Academic Integrity policy. Therefore, academic honesty is expected in all areas of student work, including examinations, written work, laboratory assignments, internships, group work and all other necessary transactions. If academic integrity is compromised, possible sanctions include course assignment grade penalties, failure of course, disqualification and dismissal from the university. For more information, students should review <https://provost.asu.edu/academic-integrity/> [2]. For information on the New College Academic Integrity policy, students should contact the New College Dean's Office at 602-543-7000.

## Undergraduate Policies

### Academic Standing

New College students must achieve a cumulative GPA of 2.00 in order to be considered in good academic standing at ASU. Students with a semester or cumulative GPA of less than 2.00 are placed on academic probation and are required to meet with an advisor to effectively plan academic progress toward graduation. Further information is available at [https://catalog.asu.edu/retention\\_standing](https://catalog.asu.edu/retention_standing) [3].

### Advising

All students in New College are expected to meet with their academic advisors regularly, especially prior to course enrollment each semester.

To ensure students are making timely progress toward degree completion, advising may be required for the following:

- newly admitted students
- first-year students
- students on academic probation
- students off-track for eAdvisor tracking requirements

Advising information for New College is available at <https://newcollege.asu.edu/college-advisor> [4].

For eAdvisor tracking and other general academic program information, students should see <https://students.asu.edu/academics> [5].

## Credit/registration

### Audit grade option

Students may choose to audit a course, allowing them to attend but not earn credit. Students must obtain instructor approval prior to enrollment: <https://students.asu.edu/grades> [6]. This grade option may not be changed after the drop/add period.

The audit option may be used under the following conditions:

- Approval has been granted from the instructor and college offering the course.
- The audit option is chosen during initial registration for the course.

### Course load

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires completion of overload request form and approval from the college academic advisor: <https://newcollege.asu.edu/advising/forms> [7].

### Course prerequisites

Course prerequisites are established to ensure student success in a course. Students must complete all course prerequisites prior to enrolling in the desired course. Prerequisite overrides may be granted under the following conditions:

- A transfer course has been accepted by an advisor to fulfill required course prerequisite.
- A prerequisite override has been granted by an advisor.

### Grade of incomplete

A grade of incomplete for a course may be granted by permission of the instructor under the following conditions:

- The student is in good standing academically at ASU.
- The student has completed a majority of the required coursework.
- The student has experienced extenuating circumstances prior to the end of the semester, preventing completion of the course; students should see <https://students.asu.edu/forms/incomplete-grade-request> [8].

### Pass/fail grade option

A grade of "Y" (satisfactory) contributes to a student's earned hours but does not affect the GPA. A failing grade of "E" is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted by the instructor and the college offering the course.
- The pass/fail option was chosen during initial registration for the course, if available.

New College students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy first-year composition requirements
- those taken from the student's major, minor or certificate program
- those counted toward satisfying New College general studies requirements
- those counted toward satisfying New College proficiency requirements in math or language and cultures

### Academic (grade) grievance policy

The following steps must be followed by any student seeking to appeal a grade. This process does not address academic integrity allegations or faculty misconduct.

Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring), regardless of whether the student is enrolled at the university.

There are two stages to the grade grievance process: the informal process and the formal process. Each process contains a series of steps.

## **Informal process**

Step 1: An aggrieved student must first confer with the instructor; the student must state the reasons for questioning that the grade received was not given in good faith. The instructor must review the matter, explain the grading procedure used and explain how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course.

Step 2: If the grading dispute is not resolved in Step 1, the student may appeal to the school academic director or designee within the school offering the course. The school director or designee may confer with the instructor to handle the problem. In most instances, the grievance procedure can be resolved with Steps 1 or 2 and does not go beyond this level.

Step 3: If the matter is not resolved to the student's satisfaction after completing Steps 1 and 2, the student may then confer with the dean's designee at 602-543-7000, who will review the case and explain the formal process to the student. If still unresolved, the student may proceed to the formal process.

## **Formal process**

Step 4: No later than ten business days after meeting with the dean's designee, the student must provide a written statement stating the evidence, if any, and reasons for determining the grade received was not given in good faith. Supporting materials should be attached as exhibits to the statement.

Step 5: The dean's designee will provide the student's statement (with any exhibits) to the instructor and request the instructor to respond to the dean's designee within 10 business days.

Step 6: When the official, written response is received from the instructor, the dean's designee will contact the student, who can then schedule an appointment to review the instructor's response. After reviewing the instructor's response, the student may submit a written request for a hearing before the New College of Interdisciplinary Arts and Sciences Grievance Committee. This written request for hearing must be submitted no later than 10 business days after the dean's designee notifies the student that the instructor's response was received. The committee is a regular committee and meets monthly, as necessary, during the fall and spring terms when classes are in session. The dean's designee serves as a nonvoting, ex-officio member of the committee.

Step 7: The committee will meet with the student and the instructor in an attempt to resolve differences. In order to preserve the confidential nature of the grade grievance process and to protect the privacy interest of those involved, the hearing will be closed to the public. The committee chairperson will preside at the hearing and will rule upon all procedural matters. A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned the request for a hearing, unless the student can demonstrate that extraordinary circumstances prevented his/her appearance or participation.

Step 8: After all parties have been heard, they will be excused and the committee will deliberate in closed session. Upon reaching consensus the committee chairperson will submit his/her recommendation to the dean of the New College of Interdisciplinary Arts and Sciences. The dean will review the report and make a final determination regarding the appropriate course of action. The dean's office will inform the student, instructor, school director, registrar, and grievance committee in writing of the decision. The decision of the dean is final.

It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean's office in the New College of Interdisciplinary Arts and Sciences.

## **Transfer coursework**

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades less than "C" (2.00) transfer to ASU. Credits transferred from a community college or two-year institution are applied as lower-division credits. For a listing of the



acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools: <https://admission.asu.edu/transfer> [9].

Some courses taken from other ASU colleges or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit.

## Withdrawal

### Complete session withdrawal information

Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, undergraduate students are required to contact their academic advisor to facilitate the withdrawal process.

Students must complete the following steps in the order in which they are listed:

1. Fill out a complete session withdrawal form:  
<https://students.asu.edu/sites/default/files/completesessionwithdrawal08102017.pdf> [10]
2. Make an appointment with their advisor, and take the form to the appointment.

ASU has many resources in place to help students. Students may want to consider one or more of the following:

- **Withdraw from just one or two classes (course withdrawal):** Students may withdraw from a class while remaining enrolled in other classes as long as the withdrawal is completed between the drop/add deadline and the course withdrawal deadline. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements. Students are also encouraged to contact a financial aid representative to consider any impact withdrawing will have on scholarships, grants and loan packages.
- **Request a medical or compassionate withdrawal:** Medical or compassionate withdrawals are available for students withdrawing from one or more classes due to extraordinary personal mental or physical health conditions or the death or serious illness of an immediate family member or close relative. For information concerning medical or compassionate withdrawal requests, students should see <https://students.asu.edu/forms/medical-compassionate-withdrawal-request> [11]. For information on the New College Medical/Compassionate Withdrawal policy, please visit <https://newcollege.asu.edu/advising/medical-compassionate-withdrawal> [12].
- **Seek tutoring or academic support services:** The Student Success Center provides a variety of services to help students become better learners and gain the confidence and skills to achieve their academic goals. Services include writing centers, math tutoring, subject area tutoring and supplemental instruction. More information about the Student Success Center is available at <https://tutoring.asu.edu/student-services/tutoring> [13].
- **Make an appointment with ASU's Counseling Services:** Counseling and mental health services are provided at each of the four ASU campuses. ASU students may seek services at any of the campus counseling centers, regardless of their college affiliation. Students should visit <https://eoss.asu.edu/counseling/location> [14].
- **Explore the possibility of an "I" (incomplete) grade.**

Possible consequences resulting from a complete session withdrawal:

- **Financial aid:** Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal from financial aid depends on when the withdrawal is dated and the type of financial aid. Students should see <https://students.asu.edu/financial-aid> [15] for more information.
- **Tuition and refunds:** The date of a complete withdrawal will determine whether or not a tuition refund will be generated. Students should review the tuition refund policy [16] for more information.
- **Health insurance:** Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- **University Housing:** Students who live on campus should contact their residential hall community staff to determine what impact withdrawing will have on their eligibility to live on campus and to complete a license

agreement release form and arrange an appointment to officially check out. For more information, students should see <https://housing.asu.edu/housing-resources/license-agreements/release> [17].

- **Veteran benefits and certifications:** Students should contact the appropriate veteran benefits and certifications office to discuss information regarding veterans' educational benefits and military activation. For more information, students should send an email to [w.westvso@asu.edu](mailto:w.westvso@asu.edu) [18] or visit <https://veterans.asu.edu> [19].

Procedures for general university withdrawal are at <https://students.asu.edu/drop-add> [20].

## Degree requirements

All candidates for graduation in the BA, BS and BAS curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division work. A minimum cumulative GPA of 2.00 is required for graduation. Students must complete a New College residency requirement of a minimum of 12 credit hours of upper-division (300- and 400-level) coursework from the school housing the student's major.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.

To graduate, a student must satisfy the following requirements:

- NEW 101 or equivalent (first-year students)
- IAS 300 (transfer students)
- college proficiency requirements for language and cultures and for mathematics
- university first-year composition and General Studies requirements
- major requirements that involve concentrated coursework in one program
- successful completion of critical-tracking courses as required on the student's major map

Information on critical tracking and eAdvisor tools, such as the student's major map, is available at <https://eadvisor.asu.edu> [21].

## Proficiency requirements

Each student is required to demonstrate proficiency in the analysis of language and cultures and also mathematics by passing an examination or by completing the courses specified below with a grade of "C" (2.00) or better in each course.

Students considering graduate work after completion of a bachelor's degree should consult with faculty advisors regarding language requirements in their intended areas of study.

## Language and cultures

This requirement may be satisfied through one of the following:

- completion of secondary education at a school in which the language of instruction is not English
- completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV
- completion of an upper-division course or courses taught in a foreign language, taken in the United States or the relevant country
- completion of six credit hours of upper-division courses that have a global awareness designation (G) or cultural diversity in the U.S. designation (C) in addition to the courses used to meet the university General Studies requirements
- completion of two sequential semesters of coursework in a current computer language

Students may obtain information about applicable coursework through the college advising office.

## Mathematics

Students are required to complete MAT 142 or any MAT course for which MAT 117 or a higher-level MAT course is a prerequisite.

## Major requirements

Each student is required to select a major from among the programs offered by the New College of Interdisciplinary Arts and Sciences.

All candidates for graduation for bachelor's degrees in New College are required to complete at least 120 credit hours of which at least 45 credit hours must consist of upper-division courses. A minimum cumulative ASU GPA of 2.00 is required for graduation.

No credit is granted toward fulfilling major or minor requirements in any upper-division course in the subject field of the major unless the grade in that course is at least a "C" (2.00). Normally, a "Y" (pass) grade needs confirmation that it is equivalent to a "C" (2.00) or better.

## General electives

Upon completion of all other requirements, the remainder of the minimum 120 credit hours required for graduation is general electives. Students should contact college advisors for assistance in selecting elective courses.

## Concurrent degrees

Students in the New College of Interdisciplinary Arts and Sciences are eligible to seek concurrent degrees. Concurrent degrees with significant course overlap may not be approved.

Students are eligible to pursue a concurrent degree when the following criteria have been met:

- Students must be in good standing with a cumulative GPA of 2.00 or higher.
- Students must have completed 30 credit hours in their first program of study.
- Students must complete 30 credit hours unique to each program.
- Students may connect with advising to determine appropriate combinations.

To be approved to pursue a concurrent degree, students must file a Petition to Pursue Concurrent Degree form: <https://newcollege.asu.edu/advising/forms> [7].

## Minors

New College offers minors in many of its disciplines. All minors require a minimum of 15 credit hours in the discipline with at least nine of those hours completed as upper-division coursework. Six of the upper-division hours must be taken from courses offered by the New College of Interdisciplinary Arts and Sciences. Courses used in the minor may not be used in the student's major program: <https://catalog.asu.edu/index.php?q=minors> [22]

## Readmission

Undergraduate degree-seeking students having previously attended ASU but not enrolled at ASU for no more than seven consecutive semesters are eligible to return through Quick Re-entry [23]. These students are not required to submit a new application or application fee but must contact an academic advisor in their school to enroll.

Undergraduates who have been away from the university for seven or more semesters and want to return to ASU in a New College program are required to apply for readmission through Admission Services <https://admission.asu.edu/undergrad/readmission> [24].

Disqualified students must follow the procedures for readmission and will be reviewed by the college on a case-by-case basis.

## Graduate Policies

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Graduate students should review the New College Standards of Satisfactory Progress [25] and policies established by the Graduate College [26].

**Source URL:** [https://catalog.asu.edu/policies/new\\_college](https://catalog.asu.edu/policies/new_college)

### Links:

- [1] <https://newcollege.asu.edu/>
- [2] <https://provost.asu.edu/academic-integrity/>
- [3] [https://catalog.asu.edu/retention\\_standing](https://catalog.asu.edu/retention_standing)
- [4] <https://newcollege.asu.edu/college-advisor>
- [5] <https://students.asu.edu/academics>
- [6] <https://students.asu.edu/grades>
- [7] <https://newcollege.asu.edu/advising/forms>
- [8] <https://students.asu.edu/forms/incomplete-grade-request>
- [9] <https://admission.asu.edu/transfer>
- [10] <https://students.asu.edu/sites/default/files/completesessionwithdrawal08102017.pdf>
- [11] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>
- [12] <https://newcollege.asu.edu/advising/medical-compassionate-withdrawal>
- [13] <https://tutoring.asu.edu/student-services/tutoring>
- [14] <https://eoss.asu.edu/counseling/location>
- [15] <https://students.asu.edu/financial-aid>
- [16] <https://students.asu.edu/tuitionrefundpolicy>
- [17] <https://housing.asu.edu/housing-resources/license-agreements/release>
- [18] <mailto:w.westvso@asu.edu>
- [19] <https://veterans.asu.edu/>
- [20] <https://students.asu.edu/drop-add>
- [21] <https://eadvisor.asu.edu/>
- [22] <https://catalog.asu.edu/index.php?q=minors>
- [23] <https://catalog.asu.edu/glossary#quickreentry>
- [24] <https://admission.asu.edu/undergrad/readmission>
- [2] [https://newcollege.asu.edu/sites/default/files/files/advising/documents/nc-satisfactoryacademicprogresspolicy\\_fall\\_2014\\_v.1.pdf](https://newcollege.asu.edu/sites/default/files/files/advising/documents/nc-satisfactoryacademicprogresspolicy_fall_2014_v.1.pdf)
- [22] <https://graduate.asu.edu/policies-procedures>

# Walter Cronkite School of Journalism and Mass Communication policies

The Walter Cronkite School of Journalism and Mass Communication has a student-centered culture focused on helping students complete their degrees in a timely manner. Students are encouraged to visit the school's website <https://cronkite.asu.edu> [1] or contact its student services center at 602-496-5055 with questions about any of the school's policies.

## Academic integrity

Academic dishonesty in any form will not be tolerated in the Walter Cronkite School of Journalism and Mass Communication. The crux of U.S. democracy is the ability of citizens to obtain honest, truthful and balanced information, and the credibility and integrity of the individual journalist and communications professional are crucial in that effort.

In light of the Cronkite School's mission to prepare students to become journalists and communication professionals, it is critical that credibility and integrity are fostered within the educational environment of the school. To that end, a zero tolerance policy toward academic dishonesty will be enforced within every course and educational activity offered or sanctioned by the school.

Any allegations of academic dishonesty will automatically be referred to the Standards Committee of the school for review and recommendation to the dean of the school. If any student is found to have engaged in academic dishonesty in any form – including cheating, plagiarizing and fabricating (examples available here [2]) – that student shall receive a grade of XE for the class and may face suspension or expulsion from ASU.

The policy, along with guidance on how to avoid plagiarism and fabrication, can be found at [https://cronkite.asu.edu/assets/pdf/Academic\\_Integrity\\_Policy.pdf](https://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf) [2].

The Cronkite School notifies the Graduate College if a graduate student is being recommended for dismissal from the school for having engaged in academic dishonesty.

## Responsibilities related to academic integrity

**Accuracy:** Since accuracy is the most important aspect of journalism, the Cronkite School adheres to rigid standards in all journalism courses. Any major error of fact such as a misspelled proper name, an erroneous phone number, an incorrect address, a libelous statement or a misstatement of a major fact, or anything else that would require a printed correction if the story were to appear in a newspaper will result in an "E" (55 percent) on an assignment. Misspellings or errors of grammar will bring a student's grade down. Carelessness will cause a student to lose points fast.

**Attendance and makeup work:** Students are expected to attend every class and arrive on time. If they miss an in-class assignment, quiz or test, they receive a zero. Excused absences are not given. Instructors may allow up to two absences for any reason or drop designated grades. Specific language regarding absences and makeup work will be included in each syllabus.

**Deadlines:** Like accuracy, the ability to meet deadlines is a hallmark of good journalism, and students are expected to meet them. Assignments submitted even one minute past the deadline are not accepted; the student receives a zero.

**Diversity principles:** The Cronkite School practices inclusivity in student, staff and faculty populations in order to create an academic environment that embraces diversity of thought and acceptance of all people regardless of race, gender, age, sexual orientation or societal, political, cultural, economic, spiritual or physical differences. The principles are posted at <https://cronkite.asu.edu/about/diversity-principles> [3].

**ACEJMC values and competencies:** As a member of the Accrediting Council on Education in Journalism and Mass Communication, the Cronkite School is committed to classroom learning that achieves ACEJMC professional values and

competencies. These include the core areas: freedom of speech, ethics, diversity, critical thinking, research, writing and use of tools and technologies related to the field. For a full list of ACEJMC values and competencies, students should see <http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML#vals&comps> [4].

**Social media guidelines:** It is important that students of journalism and communication know how to use social media ethically and professionally. The Cronkite School has developed standards drawn from the Poynter Institute for Media Studies and the Society of Professional Journalists. Those guidelines may be found at <https://cronkite.asu.edu/degree-programs/admissions/student-resources/social-media-guidelines> [5].

## Undergraduate policies

### Academic standing

#### Probation

All ASU students, freshman through senior, must maintain a minimum GPA of 2.00 for all courses completed at ASU. If this standard is not maintained, the student is placed on probation. Students on probation must see an adviser before further registration and must do one of the following:

1. Achieve an ASU GPA of 2.00 or greater in order to return to academic good standing.
2. Obtain a semester GPA of 2.50 with no grade less than a “C” in order to be granted one additional semester on continued probation. At the end of the continued probation, the student must return to academic good standing (a minimum cumulative ASU GPA of 2.00) to avoid disqualification.

#### Disqualification

Students who do not meet probation requirements are academically disqualified. Disqualified students should meet with their academic advisers. These students may attend ASU only during the summer session immediately following disqualification.

**Cronkite School Journalism and Mass Communication and Sports Journalism majors:** Students in these majors must maintain a minimum cumulative GPA of 2.50 for all courses completed at ASU in order to be in good standing in the major. If a student’s cumulative GPA is less than a 2.50, the student has one semester to raise his or her cumulative GPA to meet the requirement. Failing to raise the cumulative GPA to a 2.50 or greater results in the student having to change his or her major from Journalism and Mass Communication or Sports Journalism.

**Cronkite School Mass Communication and Media Studies and Digital Audience majors:** Students in this major follow the university policies for GPA requirements, probation and disqualification.

### Advising

Cronkite School undergraduate students are assigned an advisor by the student’s last name. Students should see the undergraduate advising page for specifics: <https://cronkite.asu.edu/student-life/undergraduate-advising> [6].

To ensure students are making progress toward their degrees, the Cronkite School encourages students to check in with their advisors each semester. Advising is mandatory for:

- first-time first-year students, both semesters their first year at ASU
- students who have completed 75 credit hours
- transfer students prior to enrolling for their first semester at ASU
- students on probation
- students who are off track in the major

ASU Online students are strongly encouraged to make an appointment with their respective advisers before enrolling for their first semester.

For additional information, students should contact the Cronkite School's advising center at 602-496-5055.

Students should follow the sequence of courses outlined on major maps and online degree audits and contact their Cronkite advisor with any questions. Critical requirements for first-year students in the school are available at <https://cronkite.asu.edu> [1].

## Credit/registration

### Changes of major

Students are eligible to change their major if they meet the criteria below.

**Journalism and Mass Communication and Sports Journalism degree programs:** Current ASU students are eligible for admission if they have a cumulative GPA of at least 3.00 in 12 or more hours of credit earned at ASU in courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements.

Transfer students with at least 12 hours of academic credit earned after high school and at least a 3.00 cumulative GPA are eligible for admission.

**Online Mass Communication and Media Studies and Digital Audience degree programs:** Current ASU students who have a cumulative GPA of at least 2.00 are eligible for admission.

Prospective transfer students (not yet admitted to ASU) and ASU students who have a cumulative GPA less than 3.00 are encouraged to meet with a Cronkite School adviser. To schedule a meeting, students should contact the advising center at 602-496-5055.

### Transfer credit

Students may apply up to 64 credits of coursework from an accredited two-year institution to their degree. Students may apply up to nine credit hours of approved upper-division journalism coursework from a four-year ACEJMC-accredited institution to the Cronkite School's journalism degree requirements. Students interested in having these courses reviewed should provide detailed syllabi and course schedules to the Cronkite School's academic standards committee. Students should see their academic advisers for assistance.

## Degree requirements

All Cronkite students must meet the critical requirements for their majors. Students who are required to follow eAdvisor tracking requirements and do not comply with the critical requirements are off track, and a hold is placed on their records. These students must meet with an adviser to have the hold removed.

Specific requirements for the journalism and mass communication degree can be found at <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSJMCBA/undergrad/false> [7].

Specific requirements for the sports journalism degree can be found at <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSSPJBA/undergrad/false> [8].

Specific requirements for the mass communication and media studies degree can be found at <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSMCMSTBA/undergrad/false> [9].

Specific requirements for the digital audiences degree can be found at <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSDIGABS/undergrad/false> [10].

### Concurrent degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.



## General rules for students pursuing concurrent degrees in the Walter Cronkite School of Journalism and Mass Communication:

- Currently enrolled Cronkite School journalism and mass communication or sports journalism majors who would like to add a concurrent degree must have a cumulative ASU GPA of 2.50 or greater and must have completed 30 credit hours of coursework.
- Currently enrolled Cronkite School mass communication and media studies or digital audiences majors who would like to add a concurrent degree must have a cumulative ASU GPA of 2.00 or greater and must have completed 30 credit hours of coursework.
- ASU students not enrolled in the Cronkite School who would like to add a concurrent degree in journalism and mass communication or sports journalism must be in good academic standing with an ASU, have a cumulative GPA of at least 3.00 and must have completed 30 credit hours of coursework.
- ASU students not enrolled in the Cronkite School who would like to add a concurrent degree in mass communication and media studies or digital audiences, offered online, must be in good academic standing, have a cumulative GPA of at least 2.00 in an ASU Online degree program and must have completed 30 credit hours of coursework.
- The Cronkite School requires that students enrolled in journalism and mass communication or sports journalism majors take a minimum of 36 credit hours of Cronkite School courses.
- The Cronkite School requires that students enrolled in the mass communication and media studies or the digital audiences majors take a minimum of 30 credit hours of Cronkite School courses.
- A student may not take concurrent degrees in journalism and mass communication, sports journalism, mass communication and media studies, or digital audiences.

## Procedures for adding a concurrent degree:

1. Once a student has decided to declare a concurrent degree, the student should inform the academic adviser for each degree in order to receive proper information about degree requirements, courses, etc.
2. When a student meets the requirements for a concurrent degree, the student should complete a Standards Committee Petition [11] and turn it in to the assigned Cronkite School academic adviser [12]. Students in the Cronkite School are assigned an advisor by the student's last name.
3. The student also needs to contact the college offering the concurrent degree to be added and follow that college's procedures for requesting and pursuing concurrent degrees.
4. If a student no longer wishes to pursue a concurrent degree, the student should email that intention to the academic advisor, and the message should include the student's full name and ASU ID number as well as which degree the student wants to have removed from the academic record.

Any questions should be directed to [Cronkiteadvising@asu.edu](mailto:Cronkiteadvising@asu.edu) [13].

Additional information about specially designed Cronkite concurrent degrees can be found on the Cronkite School Dual Degree Programs [14] page.

## Reinstatement/readmission

Students seeking readmission after being discontinued from the university should contact undergraduate admission services at <https://admission.asu.edu/contact> [15].

## Other special requirements

**Major proficiency requirements:** All Cronkite students must receive at least a "C" (2.00) or better in all JMC and MCO courses. Journalism and Mass Communication and Sports Journalism majors must also receive a grade of "B-" (80%) or better in JMC 101 Grammar for Journalists. Students also must maintain at least a cumulative GPA of 2.50 to be eligible to enroll in JMC and MCO classes.



## Graduate policies

The Walter Cronkite School of Journalism and Mass Communication is a nationally recognized professional program that prepares students for careers as reporters, editors, producers, correspondents, anchors, multimedia journalists and strategic communicators. Students go on to online media outlets, television stations, newspapers, magazines, radio stations, websites, public relations firms and digital media companies.

More information on the school's academic standards, policies and procedures and those of the Graduate College can be found at <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals> [16]. Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

## Admission

Candidates for the on-campus Master of Mass Communication, Master of Arts in investigative journalism or Master of Arts in sports journalism degrees apply online at <https://admission.asu.edu/graduate/apply> [17].

The graduate application opens September 1. Applications are reviewed on a rolling basis. Applications received before December 1 are given priority for both admission and funding. The final application deadline is June 1.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

They must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement of interest (350 to 500 words in length)
- resume
- proof of English proficiency

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. TOEFL scores must be at least 100 for the internet-based test. Students should see the program website for application deadlines and admission terms. Applicants must meet all deadlines and application requirements to be considered. The Cronkite School's master's degree committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

Candidates for the online Master of Science in business journalism apply online at <https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS&plan=CSBSJMS&subplan=&campus=ONLINE> [18]. Candidates must submit a graduate application, application fee, resume, statement of personal interest (300-500 words) and official transcripts. An applicant whose native language is not English must provide proof of English proficiency, regardless of current residency, with an internet-based TOEFL score greater than 100.

Candidates for the online Master of Science in digital audience strategy apply online at <https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS&plan=CSDASMS&subplan=&campus=ONLINE> [19]. Candidates must submit a graduate application, application fee, resume, statement of personal interest (300-500 words) and official transcripts. An applicant whose native language is not English must provide proof of English proficiency, regardless of current residency, with an internet-based TOEFL score greater than 100. The Master of Science in digital

audience strategy is only available to candidates who have not completed the BS in digital audiences or the undergraduate minor in digital audiences.

## Degree requirements

### Plan of study

After completing 50 percent of the minimum credit hours required for master's degrees, students must submit an official plan of study with the Walter Cronkite School of Journalism and Mass Communication. The plan of study is available online in the My Programs box on My ASU at <https://my.asu.edu> [20].

The student selects the ASU courses that have been taken, those in progress and those the student plans to take in future semesters. Once the plan of study is completed, it is electronically forwarded to the Cronkite School's graduate office. It must be approved by the Cronkite School's assistant dean responsible for the master's programs. The completed plan of study is sent to the Graduate College and then to the graduation office. The approved plan of study is a contract between the student and the school verifying the classes the student intends to take during his or her course of study. Students who do not have an approved plan of study on file are not eligible for graduation. Changes in the plan of study may be made by using the form Course Changes to the Graduate Plan of Study available online on My ASU at <https://my.asu.edu> [20].

Students who need to file a plan of study will be notified by the Graduate College via email. If the student fails to file the plan of study within the specified time period, a hold is placed on the student's ASU record. The hold will prevent the student from registering for classes. Once the student has filed the plan of study and it has been approved, the hold is removed. The Graduate College monitors students' iPOS statuses and places or removes the holds.

## Academic standing

### Satisfactory academic progress

All graduate students are expected to make systematic progress toward completion of their degree. This progress includes satisfying the conditions listed below and achieving the benchmarks and requirements set by the individual degree programs. Each degree program should have in place policies for satisfactory academic progress. Students are responsible for verifying additional satisfactory progress policies as described in the program handbook. If a student fails to satisfy the requirements of their degree program and the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to the Graduate College. The dean of the Graduate College makes the final determination.

1. maintain a minimum GPA of 3.00 on the iPOS, graduate and cumulative GPAs  
If a GPA is less than 3.00, the student must develop, with their advisor, an academic performance improvement plan that includes the conditions and time frames for making satisfactory academic progress in the degree program.
  - The iPOS GPA is calculated from all courses that appear on the student's approved iPOS.
  - The graduate GPA is calculated from all courses numbered 500 or greater that appear on the transcript, with the exception of courses counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's and master's degree program) and from courses identified as deficiencies in the original letter of admission. The student is considered to be on academic probation until the conditions specified in the academic performance improvement plan are met and both GPAs are greater than 3.00.
  - The cumulative ASU GPA represents all courses completed at ASU during the graduate career.
2. satisfy all requirements of the graduate degree program
3. satisfy the maximum time limit for graduation from the student's graduate degree program
4. complete all program requirements within 10 consecutive years if a doctoral students
5. successfully pass any comprehensive exams, qualifying exams, foreign language exams and the oral defense of the proposal or prospectus for the thesis or dissertation that are required for the specific graduate program
6. successfully complete the culminating experience and, if required, the oral defense of the culminating experience
7. stay continuously enrolled in the graduate program

Failing to do so without a Graduate College-approved Request to Maintain Continuous Enrollment is considered to be a lack of academic progress and may lead to automatic dismissal of the student from the graduate program. Persistent "W" (withdrawal) and "I" (incomplete) grades during multiple semesters on a plan of study or transcript may reflect a lack of academic progress.

In addition to the Graduate College satisfactory academic progress policies, the Walter Cronkite School of Journalism and Mass Communication has adopted the following:

1. If any of a student's GPAs are less than 3.00, the student will be placed on probation. If the student's GPAs are not raised to at least 3.00 by the end of the next semester, a recommendation is made to the Graduate College to remove the student from the graduate program.
2. If a student in the Master of Mass Communication, Master of Arts in investigative journalism or Master of Arts in sports journalism earns less than a "C" (2.00) in MCO 502 Journalism Skills (Bootcamp), the Cronkite School recommends to the Graduate College that the student should be removed from the program immediately.
3. To receive their degrees, Master of Mass Communication, Master of Arts in investigative journalism and Master of Arts in sports journalism students who have MCO 570 Capstone as their culminating experience are required to earn at least a "B" (3.00).
4. Students in the online Master of Science in business journalism must earn at least a "B" (3.00) in the applied project MCO 593.
5. Students in the Master of Science in digital audience strategy program must earn a "B" (3.00) or better in MCO 561 - Defining the Digital Audience before enrolling in MCO 562, 563, 564 or 565. To receive their degrees, students also are required to earn at least a "B" (3.00) in MCO 566 - Digital Audience Management (Capstone). To enroll in the MCO 566, students must earn a B (3.00) or better in MCO 561, and a "C" (2.00) or better in all other courses.

## Appeals

Students who want to appeal a course grade must first discuss the issue with the instructor. If the issue is not resolved, the student may appeal the decision to the school's standards committee; the standards committee reviews the issue and makes a recommendation to the dean. The dean's decision is final. Students should be aware the standards committee may recommend a grade lower than the one awarded by the course instructor.

If a student fails to make satisfactory academic progress and a recommendation is made to the Graduate College to remove the student from their graduate program, the student has 10 business days to file a written appeal with the dean. The dean's decision regarding appeals is final.

## Credit/registration

### Transfer credit

Students admitted to the 30 credit hour mid-career MMC program may transfer up to six credit hours of approved coursework taken before beginning the program not used toward a previous degree; the six credit hours may include non-degree coursework. Only courses with a grade of "A" (4.00) or "B" (3.00) and taken within three years of admission to an ASU graduate program may be accepted as transfer credit.

In order to have graduate coursework that was completed at other accredited institutions included on a plan of study, a student must petition the Cronkite School's master's or doctoral committee. The student also must complete the petition section of the plan of study.

Students who are in the 36 credit hour professional master's degree program are not permitted to transfer coursework from another institution or from another ASU program.

### 400-Level courses taken for graduate credit

The Walter Cronkite School of Journalism and Mass Communication may allow graduate students to enroll in and use up to two three-credit 400-level courses on their plans of study (a total of six credit hours). Students must receive permission from the assistant dean prior to enrolling in any 400-level course they intend to include in their plans of study. Students

taking these courses are responsible for obtaining and completing the 400-level course contract form. This form specifies what the student must do to receive graduate credit for the course. It must be signed by the professor.

### **Preadmission credit**

Credit earned in graduate-level courses (per the Graduate College pre-admission policy) by undergraduate students may count toward their graduate degrees at ASU provided the credit hours have not been used toward a previously awarded degree. Before awarding a bachelor's degree, ASU undergraduate students should contact their undergraduate advisor to set aside graduate courses for use toward a graduate degree.

Reserving a course does not guarantee the student will be admitted to a graduate degree program or that the course will be used to meet graduate degree requirements. A maximum of nine semester hours of credit may be reserved, and only courses with a grade of "B" (3.00) or better are applicable. Reserved credit is classified as non-degree credit and must be taken within the six-year time limit to be included on a plan of study.

### **Grades of incomplete**

The Graduate College requires students who receive an incomplete in graduate coursework (500 level or above) to complete the necessary work within one calendar year or a shorter time frame as agreed up on by the instructor and student. If the incomplete is not removed within one calendar year, it becomes part of the student's permanent transcript and cannot be used on a student's plan of study. To receive credit for the course, the student must repeat the course by re-registering, paying fees and fulfilling all course requirements.

Master's degree students with more than one incomplete at any time are considered failing to make adequate progress, and they are placed on probation. If the student does not complete the work to remove the incomplete and earn a letter grade by the end of the calendar year, a recommendation may be made to the Graduate College to remove the student from the program.

With 400-level courses taken for graduate credit, students are required to complete the necessary work to remove an incomplete grade within one calendar year. If the incomplete grade is not removed within one calendar year, the "I" will become an "E". An "E" cannot be used to meet the requirements for a graduate degree, but it is used to calculate the student's GPA. Students may retake the class to earn a higher grade; however, both the "E" and the new grade are used in calculating the student's GPA. If this results in a GPA of less than 3.00, a recommendation to withdraw the student from the program is made to the Graduate College.

## **Other special requirements**

### **Time limitations**

Students have three years from the start of their program to complete the Master of Science in digital audience strategy, six years from the start of their program to complete other Cronkite School master's degrees, and 10 years from the start of the program for doctoral degrees.

### **Financial aid**

Many graduate students receive financial aid from ASU to assist in financing their education. More information can be found at <https://graduate.asu.edu/pay-for-graduate-education> [21].

### **ACEJMC values and competencies**

As a member of the Accrediting Council on Education in Journalism and Mass Communication, the Cronkite School is committed to classroom learning that achieves ACEJMC professional values and competencies. These include the core areas: freedom of speech, ethics, diversity, critical thinking, research, writing and use of tools and technologies related to the field. For a full list of ACEJMC values and competencies, students should see <http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML#vals&comps> [4].

## Diversity principles

The Walter Cronkite School of Journalism and Mass Communication practices inclusivity in student, staff and faculty populations in order to create an academic environment that embraces diversity of thought and acceptance of all people regardless of societal, political, cultural, economic, spiritual or physical difference, age or sexual orientation.

To this end, the school directs efforts to the following four principles:

1. Actively seek out and encourage diverse populations to become productive members of the faculty, staff and the student body.
2. Create and maintain a work, learning and social environment that is cognizant of and supportive of a diversity of human differences and beliefs.
3. Incorporate within the formal content of the curriculum and in each course an affirmation of the core journalistic values of accuracy, fairness, ethical behavior and sensitivity when reflecting an increasingly multicultural world.
4. Foster and support a climate in which events and activities of the school reflect diversity of awareness, sensitivity to and support for people of different origins, orientations and abilities.

## Social media guidelines for student journalists

The Cronkite School encourages participants in its professional programs to make use of social networking sites such as Facebook and Twitter, which are valuable reporting tools and promotional and distribution channels for the school's content. To ensure the highest journalistic standards in these programs, participants must abide by the standards for social media use drawn from The Poynter Institute for Media Studies and the Society of Professional Journalists' Code of Ethics.

Those guidelines are found at <https://cronkite.asu.edu/degree-programs/admissions/student-resources/social-media-guidelines> [5].

**Source URL:** <https://catalog.asu.edu/policies/journalism>

### Links:

- [1] <https://cronkite.asu.edu/>
- [2] [https://cronkite.asu.edu/assets/pdf/Academic\\_Integrity\\_Policy.pdf](https://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf)
- [3] <https://cronkite.asu.edu/about/diversity-principles>
- [4] <http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML#vals&comps>
- [5] <https://cronkite.asu.edu/degree-programs/admissions/student-resources/social-media-guidelines>
- [6] <https://cronkite.asu.edu/student-life/undergraduate-advising>
- [7] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSJMCBA/undergrad/false>
- [8] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSSPJBA/undergrad/false>
- [9] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSMCMSTBA/undergrad/false>
- [10] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSDIGABS/undergrad/false>
- [11] [https://cronkite.asu.edu/assets/pdf/standards\\_com\\_petition.pdf](https://cronkite.asu.edu/assets/pdf/standards_com_petition.pdf)
- [12] <https://cronkite.asu.edu/student-life/undergraduate-advising>
- [13] <mailto:Cronkiteadvising@asu.edu>
- [14] <https://cronkite.asu.edu/degree-programs/undergraduate/cronkite-school-dual-degree-programs>
- [15] <https://admission.asu.edu/contact>
- [16] <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals>
- [17] <https://admission.asu.edu/graduate/apply>
- [18] <https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS&plan=CSBSJMS&subplan=&campus=ONLINE>
- [19] <https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS&plan=CSDASMS&subplan=&campus=ONLINE>
- [20] <https://my.asu.edu/>
- [21] <https://graduate.asu.edu/pay-for-college>

# Sandra Day O'Connor College of Law policies

## Graduate policies

### Academic integrity

#### Academic integrity code

The legal profession, a self-regulating association, depends on the integrity, honor and personal morality of each member. Similarly, the integrity and value of a Sandra Day O'Connor College of Law degree depends on a reputation for fair competition. ASU Law's Academic Integrity Code is intended as a measure to preserve the integrity of the school's diploma and to create an arena in which students can compete fairly and confidently. The Academic Integrity Code can be found at <https://law.asu.edu> [1].

### Academic standing

#### Retention standards – JD students

If a student's 1L GPA is above 2.00 but below 2.33 after the first year, that student shall be disqualified from ASU Law but may be reconsidered for readmission if the student applies. If a student's 1L cumulative GPA is below 2.00, that student shall be permanently disqualified in accordance with ASU Law policies. If an upper-class student's cumulative GPA is below 2.33 (2.00 for students who started law school prior to fall 2020), that student shall be disqualified from ASU Law but may apply for readmission.

#### Retention standards – all students

The ASU Law Statement of Student Policies contains additional retention and academic policies. The Statement of Student Policies can be found at <https://law.asu.edu> [1].

### Advising

Academic advising for currently enrolled law students is available through the Office of Academic Services with designated points of contact for different degree programs.

### Degree requirements

#### Concurrent degrees

ASU Law students must be in academic good standing to be eligible to pursue a concurrent degree.

#### Shared credit

Per the Graduate College policy for concurrent master's degrees, a maximum of 20% of the minimum total credit hours for the completion of both degrees may be common hours shared between the degree programs. The total number of credit hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.

The Graduate College policy also states that for a concurrent master's/doctoral degree, a maximum of 12 credit hours may be common hours shared between the degrees and may only include coursework completed after admission to both degree programs. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.

The Graduate College policy for concurrent doctoral degrees states that a maximum of 12 credit hours may be common hours shared between the degrees. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.



## Process

Current ASU Law Juris Doctor students who are interested in pursuing a concurrent degree should contact ASU Law's assistant dean for academic affairs or the assistant registrar prior to applying to ASU Law or department offering the desired concurrent degree.

Students in one of ASU Law's master's degree programs who are interested in pursuing a concurrent degree should contact ASU Law's associate dean for new education initiatives prior to applying to the college or department offering the concurrent degree.

Current ASU students who are not enrolled in ASU Law and who wish to pursue a concurrent degree with ASU Law should contact the admissions office at <https://law.asu.edu/admissions> [2]

## Admission Process

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

### JD admission

For the JD program, the Sandra Day O'Connor College of Law enrolls only one first-year, JD class per year, beginning in the fall semester. The program is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. To be considered for admission to the Juris Doctor program, applicants must have taken the LSAT (excludes applicants applying to the ASU Achievement Program) and have earned or will earn by the time of enrollment in law school, a bachelor's degree that has been awarded by an institution that is accredited by an accrediting agency recognized by the United States Department of Education.

ASU Law is committed to a more sustainable and resilient future and requires applicants to apply electronically through the Law School Admission Council website at [LSAC.org](https://lsac.org) [3].

An application for admission must include:

- electronic application (application fee waived for all 2021 applicants)
- personal statement (no more than two pages, double-spaced and font size no smaller than 11 point)
- resume (no more than two pages and font size no smaller than 11 point)
- character and fitness statements; if applicable, explaining affirmative answers to questions 1-8 in the character and fitness section
- binding admission contract, if applicable
- valid LSAT score (excludes applicants applying to the ASU Achievement Program)
- transcripts from each undergraduate and graduate institution attended must be sent to LSAC
- proof of English proficiency for applicants whose native language is not English, regardless of current residency.

The application may also include:

- letters of recommendation: Applicants may submit no more than two letters, and they should be submitted through LSAC to be included in the CAS report. Applicants should note that since they are not required, the admission office will not wait for letters to complete the file for review.
- optional addenda

### Application deadlines:

- Priority application deadline: March 1, 2021
- Final application deadline: August 1, 2021

For detailed information about the JD application process, students are asked to visit: <https://law.asu.edu/admissions/apply/jd> [4].

**Source URL:** <https://catalog.asu.edu/policies/law>

**Links:**

[1] <https://law.asu.edu/>

[2] <https://law.asu.edu/admissions>

[3] <https://www.lsac.org/>

[4] <https://law.asu.edu/admissions/apply/jd>



# The College of Liberal Arts and Sciences policies

These are the current policies in The College of Liberal Arts and Sciences.

## Academic integrity

Academic honesty is expected of all students in all examinations, assignments, papers, laboratory work, academic transactions and records. More information about academic honesty is available at <https://provost.asu.edu/academic-integrity> [1], and information about The College of Liberal Arts and Sciences policies and procedures is at <https://thecollege.asu.edu/resources/academic-integrity> [2]. The College tracks all reports of academic integrity violation internally and shares that information with other ASU colleges and schools.

## Academic dishonesty investigation and procedures

- Anyone with a good faith basis for believing that a student has engaged in academic dishonesty may report the alleged violation to the instructor or Academic Integrity Officer for the college or school in which the academic dishonesty occurred.
- If the instructor or Academic Integrity Officer conclude that there is a sufficient basis to believe the student engaged in academic dishonesty, the instructor or the Academic Integrity Officer will notify the student of the alleged violation and initiate the investigative process.
- Before concluding the investigation, the instructor or Academic Integrity Officer will provide the student a summary of the information gathered. The student will have 5 business days after the notice was sent to respond to the allegation.
- At any point in the process, the student can contact the Academic Integrity Officer to seek consultation or clarification.
- The student may be accompanied by an advisor at any point in the process. The advisor is not permitted to participate directly or speak for the student.
- Once the investigation is complete, in consultation with the Academic Integrity Officer, the instructor will recommend a sanction. The student will be notified of the result of the investigation and the sanction to be imposed, if any.

## Sanctions and appeal

The following sanctions may be imposed for academic dishonesty:

- reduced or failing grade for the assignment or academic evaluation
- reduced or failing grade for the course
- an XE grade
- withdrawal of credit for a previously accepted course or requirement
- suspension from the university for a specific period of time
- expulsion from the university without expectation or readmission
- other sanctions as consistent with the ASU Academic Integrity Policy and the Student Code of Conduct: <https://eoss.asu.edu/dos/srr/codeofconduct> [3].

At any time, the student and the Instructor may agree on the sanction and inform the Academic Integrity Officer or the dean. The Academic Integrity Officer or the dean may reject the proposed resolution and appoint a designee to pursue the case on behalf of the college.

A student alleged to have violated the Academic Integrity Policy has the following rights:

- The student will also be notified of their right to appeal to the Dean. The student must file their appeal no later than 10 business days after the date the notification was sent. If the student does not file a timely appeal, the sanction is final.
- A student's appeal of a recommended sanction must be submitted in writing and include the following:

- a description of the alleged academic dishonesty, including a factual narrative of events, the dates and times of occurrences, and any other reason why the sanction should not be imposed
- the names of persons having information about relevant circumstances or events
- the general nature and description of all evidence
- If the student files an appeal, the student must meet with the Academic Integrity Officer to discuss hearing procedures. The Academic Integrity Officer will help the student navigate the process and provide additional information when needed.
- If the student wishes to dispute any aspect of the allegation or sanction, the student may file an appeal. If the student files a timely appeal, the sanction will not be imposed until the appeal is resolved. If the student files an appeal at the end of a semester, or during the last semester of enrollment, the course grade or degree may be withheld until the matter is resolved. If a grade or degree will be withheld for any period, the Academic Integrity Officer or dean must notify the Registrar's Office.

## **The College student affairs and grievances committee hearing**

The Academic Integrity Officer will forward a student's timely appeal to the instructor.

### **Pre-hearing proceedings**

The Academic Integrity Officer will send a notice of hearing to the student, instructor, The College Student Affairs and Grievances Committee, and the head of the college, school or academic unit where the alleged dishonesty occurred. The notice will include the following information:

- statement of time and place of the hearing before The College Student Affairs and Grievances Committee
- Unless the parties and Academic Integrity Officer agree otherwise, the hearing will take place during the regular fall or spring semester
- a copy of this policy or instructions on accessing the policy electronically
- requirement that the parties provide to each other and to The College Student Affairs and Grievances Committee a written list of witnesses and a description of any documents or other evidence they intend to use at the hearing
- Unless the Chair provides otherwise, this information must be exchanged at least 5 business days before the hearing.
- the length of time set for the hearing, the time limitation for the presentation of evidence, and any other procedural requirements.

### **Conduct of the hearing**

In order to preserve the confidential nature of the disciplinary process and to protect the privacy of those involved, the hearing will be closed to the public.

The College Student Affairs and Grievances Committee Chair will preside at the hearing and will rule upon all procedural matters. The formal rules of evidence will not apply, although objections to the introduction of specific statements or documents may be considered by the Chair. Irrelevant, immaterial, privileged, or unduly repetitious information will be excluded.

The instructor shall have the burden of showing it is more likely than not that the student engaged in academic dishonesty. The instructor must also explain the reason for the sanction. If the student accepts responsibility for academic dishonesty, then The College Student Affairs and Grievances Committee may focus the hearing on the appropriate sanction.

Information regarding prior violations or informal resolutions of previous allegations may not be used as proof of a current violation, but may be admitted for other purposes, such as to show that the student had prior experience relevant to the allegations or to show that the student had been informed previously that the conduct was unacceptable. The College Student Affairs and Grievances Committee may also consider information regarding prior violations in determining an appropriate sanction.

A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned the appeal, unless the student can demonstrate that extraordinary circumstances prevented appearance or participation.

The student and instructor may each have an advisor present, but the advisors shall not be permitted to address The College Student Affairs and Grievances Committee directly, except as the College Chair deems necessary or appropriate.

The hearing will be recorded and the student may request a copy of the recording. The student may also request a transcript, but will be responsible for its cost.

Except as otherwise permitted by The College Student Affairs and Grievances Committee, witnesses will be excluded from the hearing except during their own testimony. The Chair may remove a party, advisor or witness from the hearing if that person's conduct is disruptive.

When necessitated by fairness or extraordinary circumstances, The College Student Affairs and Grievances Committee may permit the parties to make arrangements for recorded, written or telephonic testimony from their witnesses for use in the proceeding.

The instructor shall proceed first at each stage of the presentation.

- Each party may present an opening statement, which summarizes what information is expected to be presented.
- Each party will call witnesses to provide statements under oath.
- At the conclusion of each witness's statement, the witness may be questioned by the other party.
- The College Student Affairs and Grievances Committee may ask further questions of each witness.
- Each party may present a closing statement, which summarizes the information that was presented.

If the alleged academic dishonesty involves the work of multiple students, The College Student Affairs and Grievances Committee may modify these procedures to address the circumstances. The College Student Affairs and Grievances Committee should provide prior written notice of any modification of the procedures to all parties. Each student must file his or her own appeal. A student who has not filed an appeal should not expect to benefit from another student's appeal.

### **College board deliberations and recommendations**

Following the presentation of information and closing statements, The College Student Affairs and Grievances Committee will discuss the information that has been presented and the reasonable inferences to be drawn from it. Only the committee, its legal advisor, if any, and the Academic Integrity Officer may be present during the deliberations. Neither the student nor the instructor may be present during the deliberations.

Based solely upon the information presented, The College Student Affairs and Grievances Committee will formulate a recommendation to the dean as to whether the student more likely than not engaged in academic dishonesty and the appropriate sanction. Recommendations must be supported by a simple majority of The College Student Affairs and Grievances Committee.

The College Student Affairs and Grievances Committee will prepare and send a written recommendation to the dean within 5 business days of the hearing. The written recommendation will include findings of fact and a statement of the reasons for the recommendation. It will also be signed by The College Student Affairs and Grievances Committee Chair. If the recommendation is not unanimous, dissenting opinions should be reflected in the recommendation.

### **Review and decision by dean**

After reviewing of The College Student Affairs and Grievances Committee's Recommendation, the dean will render a written decision which affirms, denies or accepts The College Student Affairs and Grievances Committee's recommendation with modifications.

The dean may not make new findings adverse to the student or increase the severity of a sanction, unless:

- The dean provides the student notice and an opportunity to respond to the new findings or sanction.
- The dean remands the matter to The College Student Affairs and Grievances Committee for further proceedings.

The dean will provide written notice of the decision to the student, the Academic Integrity Officer, the instructor, The College Student Affairs and Grievances Committee, and the head of the college, school or academic unit where the alleged dishonesty occurred within 20 business days following receipt of The College Student Affairs and Grievances Committee's recommendation. A delay may occur if it becomes necessary to conduct further investigation or to remand the matter to The College Student Affairs and Grievances Committee. In those cases, the written decision will be transmitted no later than 20 business days following completion of the investigation or The College Student Affairs and Grievances Committee's subsequent recommendation.

The dean's decision is final and may not be further appealed unless the dean recommends that the provost suspend or expel the student from the University.

If the dean recommends the suspension or expulsion of an international student, both the student and Academic Integrity Officer should consult with the ASU International Students and Scholars Center.

If the dean recommends that the provost suspend or expel the student from the university, the letter from the dean will state that the student may appeal the recommendation by filing a written request for review with the provost within 10 business days of the date of the letter.

If the student does not timely appeal, the provost or designee will review the dean's recommendation and issue a final decision on suspensions or expulsions from the university.

### **Review and decision of a suspension or expulsion from the university**

A student may seek to have a dean's decision reviewed by the University Academic Integrity Hearing Board only if the dean recommends that the provost suspend or expel the student from the university. However, a student who failed to appeal or abandoned the appeal at The College Student Affairs and Grievances Committee hearing may not appeal to the University Academic Integrity Hearing Board.

The appeal must be in writing and must be filed with the provost within 10 business days of the date of the dean's decision letter.

The provost or designee will appoint and charge a University Academic Integrity Hearing Board to conduct the hearing. The Hearing Board will be comprised of three members. One member must be a student and one of the other members will act as Hearing Board Chair. The hearing shall follow the procedures set forth in the Student Code of Conduct Procedures, except that the college or school will take the role of the dean of students and the provost or designee will take the role of the Senior Vice President for Educational Outreach and Student Services.

## Undergraduate policies

### **Student responsibilities**

Students enrolling in courses offered by The College of Liberal Arts and Sciences are expected to follow the rules and deadlines specified in this catalog pertaining to enrollment, adding or dropping classes, withdrawals and tuition payment.

Students are encouraged to meet with their academic advisors regularly. Students with additional questions regarding the academic rules of The College and the university are welcome to meet with their academic advisor.

In addition, students must understand and follow the requirements for the university's General Studies and college graduation requirements in their edition of ASU's academic catalog. The academic catalog is the governing source for all degree requirements.

## Academic standing

The standards for GPA and the terms of academic warning, academic probation or continuing probation, disqualification and reinstatement are identical to those of the university, as set forth under retention and academic standards.

After students are placed on academic warning or probation, one of three things can happen:

- They can return to academic good standing by raising the cumulative GPA to 2.00 or greater.
- They can remain on probation by earning the required semester GPA of at least 2.00 but not raising the cumulative GPA to academic good standing (cumulative GPA to 2.00 or greater). Students may continue on academic probation, earning the required semester GPA, for as many semesters as it takes to raise the cumulative GPA to academic good standing.
- They can be disqualified if they fail to achieve the required semester GPA of 2.00.

Students who are placed on academic warning or academic probation are required to interact with their major academic advisor in each term they remain on continuing probation prior to enrollment in subsequent terms.

Students who leave the university for a semester or more while on academic probation are automatically readmitted, except when reapplying to degrees in the Hugh Downs School of Human Communication, which has specific readmission criteria. Students should review the reinstatement and readmission portion of this section for more information about policies and procedures.

Students who fail to meet the minimum semester GPA of 2.00 in the fall or spring semester after being placed on academic probation are disqualified from further attendance at Arizona State University for a minimum of one semester. Students who are academically disqualified should contact their academic advisor to discuss options for returning to ASU.

## Academic advising

All students are encouraged to seek academic advising before registration.

### eAdvisor

eAdvisor provides students the tools to successfully follow their major maps to graduation and assists the students with:

- learning more about graduation requirements for their majors
- discerning what critical requirement courses and grades are required to stay on track to successfully complete their degrees
- planning for and scheduling appropriate courses in the correct sequence to maximize success
- monitoring progress toward their degrees
- finding out how courses may fit into other majors if they decide to change majors or to add concurrent degrees

Students can learn more about eAdvisor and access it at <https://eadvisor.asu.edu/> [4].

### Academic advising locations

The College of Liberal Arts and Sciences continuing on-campus; and all new and continuing online students should seek routine academic advising in the department or school of their major. Locations of each advising office can be found at <https://thecollege.asu.edu/advising/departments> [5].

All on-campus first-year students and first-term transfer students in The College of Liberal Arts in Sciences should seek academic advising with advisors located in the Academic Advising Hubs located on the first floor of Armstrong Hall.

The Office of Student and Academic Programs, located in Armstrong Hall, 1st floor south, is the central resource center for academic information in The College. Clarification of rules, procedures and academic advising needs of The College and university should be directed to that office. The Office of Student and Academic Programs also provides information on policies and procedures regarding academic integrity, student grievances with respect to grades, and various petitions involving college and university degree and graduation requirements.

## Required advising

The following groups of students are required to meet with their advisors in order to be eligible to register for their courses:

- all students registering for their first semester at ASU
- first-year students registering for their second semester at ASU
- students on academic probation or continuing probation
- students newly readmitted to the university
- students who are off track in their major

Students listed above should consult an advisor in the department or school of their major. Disqualified students seeking readmission should first apply to the university for readmission [6]. Once students have been readmitted to ASU, they should consult an advisor in the department or school of their major.

Advising for Preprofessional Programs	
Professional Field	Advisor Location
Dentistry	ARM 112
Foreign Service	Diplomat in Residence, Laura Gritz DIRSouthwest@state.gov [7]
Law	ARM 112
Medicine	ARM 112
Ministry	School of Historical, Philosophical and Religious Studies, COOR 3309
Occupational Therapy	ARM 112
Optometry	ARM 112
Pharmacy	ARM 112
Physical Therapy	ARM 112
Physician Assistant	ARM 112
Veterinary Medicine	ARM 112

## Health professions

Students who plan to pursue a health profession should meet regularly with the preprofessional advising staff located in the Futures Center (ARM 112). For each of the health-related fields listed above, specific courses must be taken to complete graduate or professional school prerequisites and to prepare for required standardized admission exams (e.g., MCAT). To schedule a meeting with a prehealth advisor, students should call 480-965-2365 or visit Handshake [8].

## Prelaw

Students who plan to pursue a law-related profession should seek out guidance from the preprofessional advising staff located in the Futures Center (ARM 112). There are no specific course requirements for entrance into law school. Courses that engage students in intense critical analysis and include substantial amounts of writing, however, are recommended as are practical experiences outside of the classroom (e.g., through internships). Students can schedule a meeting with a prelaw advisor by calling 480-965-2365 or visit Handshake [8].

## Academic (grade) grievance

Academic grievances occur when a student is appealing a final grade issued in a course. This process does not address academic integrity allegations, faculty misconduct or discrimination. Grievances must be resolved within the regular semester immediately following the session in which the grade was issued (by commencement for fall or spring) regardless whether the student is enrolled at the university.

The grievance procedures of The College of Liberal Arts and Sciences are as follows:

- An aggrieved student must first confer with the instructor and state any evidence and the reasons for questioning that the grade received was given in good faith. The instructor must review the matter, explain the grading procedure used and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course.
- If the grading dispute is not resolved at the course instruction level, the student may appeal to the chairperson or the chair-designated representative of the department responsible for the course.
- Only when the issue cannot be resolved at the department level should the student consult with a member of senior staff in The College Office of Student and Academic Programs. Students may schedule an appointment by calling 480-965-6506 or by emailing [thecollegedean@asu.edu](mailto:thecollegedean@asu.edu) [9] to discuss the next steps in the academic grievance process.
- After meeting with the dean's representative in the Office of Student and Academic Programs, the student has 10 business days to file a formal written grievance with the Office of Student and Academic Programs. The grievance is then forwarded by the Office of the Dean to the instructor with a request to provide a written response within 10 business days.
- The student is then contacted to review the response when it arrives in the dean's office and confer with the dean's designee before deciding whether to request a hearing before The College of Liberal Arts and Sciences Student Affairs and Grievances Committee. The request for a hearing must be in written form. Upon receiving the student's request, the dean's designee arranges a formal hearing before The College Student Affairs and Grievances Committee. The committee meets once per week during the fall and spring terms. The committee does not meet during summer and winter breaks or during fall or spring intersessions.

The hearing, which shall be closed, shall be conducted by the committee chair. The arrangements for the order of appearance of submission of materials, testimony and related matters should be made through and by the dean's delegate in the Office of Student and Academic Programs. The dean's designee serves as an ex-officio member of the committee but has no vote in the decision-making process. The committee shall make a confidential, written report through the committee chair to the graduate or undergraduate associate dean in The College of Liberal Arts and Sciences.

**The respective associate dean for Student and Academic Programs takes final action after fully considering the committee's recommendation, in keeping with university policy [10]. The associate dean informs the student, instructor, department chair or school director (if any), registrar (if appropriate) and grievance committee of any action taken. The decision of the associate dean is final.**

## Credits, degrees and course registration

### Credit requirement

All candidates for graduation for bachelor degrees in The College of Liberal Arts and Sciences are required to complete at least 120 credit hours of which at least 45 credit hours must consist of upper-division courses. A minimum cumulative ASU GPA of 2.00 is required for graduation.

### Minors

The College offers minors in many of its disciplines. All minors require a minimum of 18 credit hours in the discipline with at least 12 of those credit hours as upper-division courses. Six of the upper-division credit hours must be taken from courses offered by The College of Liberal Arts and Sciences. Students should work with their major academic advisors to make certain they are making the most effective choices to complete their minors. If there are additional questions regarding the minor, the major academic advisor will consult with the department offering the minor. Students may not use courses in their minors toward their majors and, similarly, students may not use courses in their majors to fill the requirements of their minors. Additionally, there may be some disciplines that are too close in content for a student to choose a particular combination of minor and major.

### Course load

Undergraduate students are normally limited to 18 credit hours per fall or spring semester (or nine credit hours each in sessions A and B) and 14 total credit hours in summer session (seven credit hours each in sessions A and B; nine credit hours in session C). The typical student course load is 15 or 16 credit hours for a full 15-week semester.

Students who wish to register for more than 18 hours must meet GPA criteria based on the number of additional credit hours requested. Specific criteria, further guidelines, and the course overload petition form are at <https://thecollege.asu.edu/resources/advising/credit-overload> [11]. Students meeting these requirements may seek an overload for 19 or more credit hours (or up to 10 credit hours in either session A or B) from the academic advising office in the departments or schools of their majors.

Students should not assume that their petitions for overload will be granted. Overload requests are evaluated based on the student's most recent academic performance, cumulative performance and the reasons for requesting the overload. First year students and transfer students are not permitted to receive course overloads for their first semester at ASU.

### Pass/fail grade option

The pass/fail grade option is intended to broaden the education of liberal arts and sciences undergraduates by encouraging them to take advanced courses outside their specializations. A grade of "P" (pass) contributes to a student's earned hours but does not affect the GPA. A failing grade is computed into the GPA.

Students in The College of Liberal Arts and Sciences with at least 60 credit hours may take courses under the pass/fail option. The following conditions apply:

- Enrollment for the pass/fail option must be approved by the instructor and The College offering the course as well as the student's college or school. Permission is recorded on the Pass/Fail Enrollment Form [12].
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.
- A maximum of 12 hours taken for pass/fail may be counted toward graduation.

Students may not enroll under the pass/fail option in courses that are:

- taken to satisfy the second-language or first-year composition requirements
- in the student's major, minor or certificate program
- counted toward or required to supplement the major
- counted as 499 Individualized Instruction
- taken for honors credits



- counted toward satisfying The College of Liberal Arts and Sciences graduation requirements or ASU's General Studies requirements

### **Audit grade option**

Students may choose to audit courses in which they attend regularly scheduled class sessions but earn no credit. Students wishing to audit a course should obtain instructor approval before registering.

The audit grade option may not be changed after the drop/add period.

## **Degree requirements**

### **The College graduation requirements**

All students in The College of Liberal Arts and Sciences must complete the university General Studies requirements as well as all requirements of their major. In addition, The College has established requirements that are specific to the BA, BS and BS in planning degrees.

#### **Requirements for all college undergraduates:**

All students are required to take a minimum of MAT 117 or higher. A grade of "C" (2.00 on a 4.00 scale) or better must be earned in the chosen mathematics course.

Each student admitted as a first-time first-year student is required to complete a first-year success course or first-year seminar. These courses are designed to introduce students to The College and help them gain an understanding of what they will need to do to be successful students at ASU. Topics include academic success, academic integrity and student engagement.

#### **Bachelor of Arts:**

- completion of second-language coursework at the intermediate level (202 or equivalent) \*
- a foreign language course at the 300 level or higher taught in the foreign language and having 202 or its equivalent as a prerequisite
- demonstrated completion of secondary education at a school in which the language of instruction is not English
- completion of ASL 202 American Sign Language IV or its equivalent

\*Those students completing this requirement in Ancient Greek must take GRK 301 and 302.

#### **Bachelor of Science:**

Each student pursuing a bachelor of science degree must complete six credit hours (two courses) of science and society courses. At least one course must be completed at the upper-division level and certain limitations apply to how courses may be cross-counted toward other degree requirements. Students should consult an advisor in the department or school of their major for a list of appropriate courses. More information about the requirement and a current list of science and society courses are available on The College's website at <https://thecollege.asu.edu/resources/science-society> [13].

### **Major requirements**

Each student is required to select a major from among the fields of study offered by The College. Major maps describe the requirements for completion of each degree program.

The department or school of the major may require up to 45 credit hours of coursework. The minimum is 30 hours. A maximum of 15 additional hours may be required in related courses and prerequisites. No more than 60 credit hours of coursework may be required to complete the major, related courses and prerequisites. Some departments require calculus-level mathematics and up to five of these credit hours may be excluded from the 60 credit hour maximum as they satisfy The College's mathematics proficiency requirement. A minimum of 12 upper-division hours in the major must be taken in residence and from courses offered by The College of Liberal Arts and Sciences.

No credit is granted toward fulfilling major or minor requirements in any upper-division course in that subject field unless the grade in that course is at least a “C” (2.00 on a 4.00 scale). In The College of Liberal Arts and Sciences, the assignment of a grade of “Y” (satisfactory) indicates a level of performance that would have resulted in a grade of at least “C” (2.00 on a 4.00 scale) had the normal grading scheme been used.

Students should see individual departmental websites for other minimum grade requirements.

Major fields of study are classified into the following three areas:

### **Humanities**

- Asia studies
- Asian languages (Chinese/Japanese)
- English\*
- film and media studies
- French
- German
- history\*
- international letters and cultures
- Italian
- Jewish studies
- philosophy
- religious studies
- Russian
- Spanish

### **Natural sciences and mathematics**

- astronomical and planetary sciences
- biological sciences
- biophysics
- chemistry
- computational mathematical sciences
- earth and environmental studies
- earth and space exploration
- mathematics\*
- microbiology
- molecular bioscience and biotechnology
- neuroscience
- physics\*
- psychology

### **Social sciences**

- African and African American studies
- American Indian studies
- anthropology
- applied mathematics for the life and social sciences
- Asian Pacific American studies
- civic and economic thought and leadership
- communication
- economics
- family and human development
- geographic information science
- geography
- global health

- global studies
- justice studies
- meteorology-climatology
- political science
- politics and the economy
- sociology
- transborder Chicana/o and Latina/o studies
- urban planning
- women and gender studies

\*degree programs offering a concentration in secondary education

## General electives

Most liberal arts and sciences majors can meet all the requirements stated above with fewer than the 120 credit hours required for graduation. Remaining hours are general electives that may be selected from any of the departments of The College of Liberal Arts and Sciences or from the offerings of other ASU schools and colleges.

## Concurrent degrees

The College allows students who have completed at least 30 credit hours, the completion of one fall or spring semester at ASU, and a minimum GPA of 2.00 to petition The College to pursue a concurrent degree. Concurrent degrees may not be from the same discipline or have overlap in the courses required for each major. In order to complete a concurrent degree, students must earn at least 30 unique credit hours applied toward the requirements for each majors' degree. Petition forms are available within the Concurrent Degree Checklist section of the Advising Resources and Forms [14] page on The College of Liberal Arts and Sciences website. The completed forms must be submitted to the academic advisor of the current major. Certain specially designed concurrent degree programs, viewable on Degree Search, may have different standards and requirements than individually selected ones.

## Reinstatement/readmission

Students who have been academically disqualified from the university and have not attended for at least one regular semester can earn readmission to The College and to their majors. The first step for students seeking readmission is to complete the online undergraduate admission application [15]. Students should work with the academic advisor in the desired major to discuss a plan and strategies for being readmitted to ASU. The plan may include taking coursework at a two-year college or summer classes, or both, and meeting specific GPA requirements to demonstrate readiness to return to ASU.

Disqualified students who were off track for two or more semesters at the time of their disqualification will not be automatically readmitted into their former majors.

## Graduate policies

Students should consult their program handbooks or the individual school or department for information about requirements for graduate study.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies set forth by the Graduate College and The College of Liberal Arts and Sciences. Any questions in regards to graduate policies for The College can be directed to [TheCollege-Grad@asu.edu](mailto:TheCollege-Grad@asu.edu) [16].

**Source URL:** [https://catalog.asu.edu/policies/liberal\\_arts](https://catalog.asu.edu/policies/liberal_arts)

### Links:

[1] <https://provost.asu.edu/academic-integrity>

- [2] <https://thecollege.asu.edu/resources/academic-integrity>
- [3] <https://eoss.asu.edu/dos/srr/codeofconduct>
- [4] <https://eadvisor.asu.edu/>
- [5] <https://thecollege.asu.edu/advising/departments>
- [6] <https://students.asu.edu/readmission>
- [7] <mailto:DIRSouthwest@state.gov>
- [8] <https://career.asu.edu/handshake>
- [9] <mailto:thecollegedean@asu.edu>
- [10] <https://catalog.asu.edu/appeal>
- [11] <https://thecollege.asu.edu/resources/advising/credit-overload>
- [12] <https://students.asu.edu/forms/application-pass-fail-enrollment>
- [13] <https://thecollege.asu.edu/resources/science-society>
- [14] <https://clas.asu.edu/resources/advising>
- [15] <https://admission.asu.edu/undergrad/readmission>
- [16] <mailto:TheCollege-Grad@asu.edu>

# Edson College of Nursing and Health Innovation policies

The Edson College of Nursing and Health Innovation periodically needs to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical health care agency requirements; therefore, policies, protocols and procedures are subject to change. Students should confirm current policies, protocols and procedures for clinical placements with the respective student handbook [1]. Commonly referenced policies, protocols and procedures are given in the appendices of student handbooks.

Students interested in the prelicensure nursing programs (programs leading to RN licensure), RN to BSN, or the RN to BSN concurrent enrollment program who want to obtain the most current information on college policies should contact the college's Student Academic Services office at 602-496-0888 or [edsoncollege@asu.edu](mailto:edsoncollege@asu.edu) [2]. The capacity to provide clinical learning experiences is subject to change; therefore, the capacity to enroll students in these programs may vary depending upon the availability and requirements of clinical learning experiences.

## Academic integrity

### Academic and professional integrity

Academic honesty is expected of all students. Possible sanctions include appropriate grade penalties, disqualification and dismissal. The Edson College of Nursing and Health Innovation adheres to the ASU Student Code of Conduct, the ASU Academic Integrity policy, and the college academic and professional integrity protocol located in student handbooks. A copy of the ASU Academic Integrity policy may be obtained online at <https://provost.asu.edu/academic-integrity> [3] and a copy of the Edson College Academic and Professional Integrity protocol may be obtained online at <https://nursingandhealth.asu.edu/student-life/current-students> [1]. Academic dishonesty is not tolerated in any course and is subject to specific Edson College of Nursing and Health Innovation policies and procedures.

## Undergraduate policies

### Academic standing

University standards for academic good standing are followed for all majors in the college. Students who do not maintain the minimum GPA after each fall or spring semester are placed on academic probation. Students on academic probation or continuing probation must meet with an academic advisor before registering for the subsequent semester. Students placed on academic probation have one semester to raise the cumulative or semester GPA to meet the academic good standing criteria; otherwise, they may be disqualified or be determined to be ineligible for the majors in this college. Disqualified students are not permitted to enroll for the fall or spring semesters.

eAdvisor tracking focuses on students who initially enroll as full-time first-year students, and the tool tracks their progress during the first four semesters. It identifies and outlines the critical courses, GPA requirements and milestones that predict success in each major. Students use major maps and progress reports to plan which courses to take each semester.

Students who do not meet critical requirements are notified they are off track, and off-track status is displayed on My ASU student pages. Off-track students are required to see an academic advisor before registering for or adding classes. Students off track for two consecutive semesters may be required to change majors, depending on the major. Students in the BSN nursing traditional prelicensure clinical nursing program, in alignment with continuing eligibility criteria, are required to change their major if they are off track for one semester.

Students pursuing the RN to BSN, the postbaccalaureate BSN or the concurrent enrollment program are not critically tracked.

## Advising

Academic advising is an essential aspect of the educational experience and is provided by the college through the Student Academic Services office. Academic success advisors assist students with program planning, registration, preparation of petitions, verification of graduation requirements, referrals to university and community resources and career planning. ASU accepts coursework transferred from other accredited institutions, and the Edson College of Nursing and Health Innovation determines if and how the courses will be applied.

The Student Academic Services office is committed to ensuring that students reach their academic goals. This is done by monitoring student progress and providing the academic resources and personalized tools students need to get off to a good start and stay on track toward graduation. Students can monitor their own progress with the eAdvisor academic success resources at My ASU. More information on eAdvisor can be found at <https://eadvisor.asu.edu> [4].

Student responsibilities include following university guidelines regarding submission of transcripts from all colleges other than ASU, obtaining the necessary signatures or computer verifications required by the university, and following university procedures for matriculation. It is ultimately the responsibility of each student to fulfill academic and program requirements.

Students are encouraged to schedule appointments each semester to ensure they are making progress toward their degrees. Advising is required for:

- newly admitted students, prior to enrollment for the first term
- students not making satisfactory progress (probation, continuing probation, off-track, etc.)
- students wishing to pursue concurrent degrees, who must petition the university standards committee and have approval from the Edson College of Nursing and Health Innovation and from the college that offers the other chosen degree

Students may schedule an advising appointment through the appointment scheduler [5] or by calling 602-496-0888.

### Mandatory advising

All first-year students and new undergraduate transfer students are required to meet with an academic advisor before registering for courses. Students with academic probationary status and off-track students are required to meet with an academic advisor to plan strategies for improving academic standing. Students interested in the prelicensure nursing program must attend or view a BSN information session before a one-on-one academic advising appointment will be scheduled. Information session information is located at <https://nursingandhealth.asu.edu/admissions/information-sessions> [6].

## Credit/registration

### Course load

Students wishing to register for more than the maximum allowable credits in a term must contact their academic advisor to obtain an approved overload before registration.

All upper-division nursing courses must be taken for a grade, except for selected clinical courses in the prelicensure program that are taken for “P” (pass) or “Y” (satisfactory).

## Degree requirements

### RN to BSN program

Applicants who have an associate degree in nursing or a nursing diploma and have their RN license must apply to the online RN to BSN program [7]. Potential students must have an active RN license in good standing in the state or country in which they are working. There is a minimum GPA of 2.50 required for all undergraduate coursework. All prerequisites, including a statistics course, require a grade of a “C” (2.00) or better.

The RN to BSN program courses are offered online and can be completed in 14 to 24 months. There are five starts per year: two in the fall, two in the spring, and one in the summer.

The RN to BSN program builds on the knowledge and skills students learned in their associate degree or diploma programs. The course assignments will enhance students' written and verbal communication skills, clinical reasoning skills and technology skills. Faculty members are leaders and experts in their practice areas. The faculty strive to prepare graduates who will be engaged, professional and innovative leaders who use evidence-based practice to facilitate positive change in the work environment and community. Graduates will demonstrate holistic population-based perspectives and be solution identifiers, client advocates and effective communicators.

### **Traditional prelicensure clinical nursing program**

Admission requirements for the traditional prelicensure clinical nursing program are more rigorous than university requirements. Some entering first-year students will be directly admitted to the nursing major. Other students will be admitted to an alternative major, the BS in community health, and then compete for space in the nursing program. A competitive advancement process is utilized to fill any available seats in the TPCNP after placing directly admitted nursing major students. Spaces will be given to those students with the highest advancement score. Directly admitted nursing major students must meet continuing eligibility criteria each semester. If they fail to meet one or more of the criteria, they forfeit their direct admission nursing major status and may compete for advancement to the TPCNP.

#### **Direct admission**

Students admitted with direct admission status upon entering ASU as a first-year nursing major must meet the continuing eligibility criteria outlined in their major map, each semester, to maintain this status. If direct admission is retained throughout the advancement process, students are guaranteed placement into the clinical nursing program within one year of the semester in which all 17 critical courses are completed. Direct admission students are not guaranteed their first preference. In the event the number of direct admission students requesting placement in a specific cohort is greater than the number of spaces available, placement will be determined by random selection.

#### **Competitive advancement process**

Students in majors other than nursing are all eligible to compete for a space in the program through the competitive application process, provided they have completed the prerequisite courses and all screening items. The advancement score for the traditional prelicensure clinical nursing program is composed of the select GPA and the TEAS score. Seats are given to the students with the highest advancement scores. For students applying through the competitive application process, the select GPA and the TEAS scores are used to rank students from high to low. After directly admitted students who meet continuing eligibility criteria are advanced, students who are the highest on the list are offered the remaining spaces in the traditional prelicensure clinical nursing program. Students not selected may choose to compete again in the next term. There is no limit on the number of times students may compete; a waiting list is not maintained. Students who do not meet the minimum select GPA and TEAS scores are withdrawn from consideration. Nursing faculty may opt to use additional criteria in the selection process.

**Select GPA for competitive selection:** The select GPA is computed based on 13 critical (prerequisite) courses and must include ENG 101, ENG 102, and three of the four lab sciences: BIO 201, BIO 202, CHM 101, MIC 205/206. Critical courses with a grade of "C" or better may not be repeated to improve the select GPA. Students should see an academic advisor for possible replacement course options. Students who have already earned a bachelor's degree may choose to use a "pass" grade rather than letter grades for ENG 101 and 102. Nursing faculty may opt to adjust the courses and the GPA requirements in the selection process.

**Prerequisite and select GPA for competitive students:** Students must have a minimum 3.25 in both their prerequisite GPA and select GPA. The average select GPA has been much greater than a 3.25 for those advanced into the program in previous semesters.

**TEAS for Competitive Students:** Students will be measured in the basic essential skills in academic content areas of reading, mathematics, science, and English and language usage. To prepare for the exam, students should visit

www.atitesting.com [8] to review the resources available from the creators of the exam. The minimum required TEAS score is 58.7%. Direct admit students are not required to take the TEAS, but it is highly recommended.

Students who do not meet the minimum select GPA and TEAS scores are withdrawn from consideration.

### **Accelerated BSN prelicensure clinical nursing program**

Placement in the accelerated prelicensure clinical nursing program is based on clinical space availability. More students may request placement than clinical space will allow. Placement is not guaranteed. The program is a 12-month program and includes the spring, summer and fall semesters. The program is currently offered at the ASU Downtown Phoenix campus. Summer tuition rates apply for the summer semester and the program has a program fee.

The prerequisites for this program are BIO 201, BIO 202, CDE 232, CHM 101, HCR 220, HCR 240, MIC 205/206, NTR 241, PSY 101 and a statistics course that meets the General Studies CS requirement. Eight of the 10 courses must be completed by the application deadline with a minimum GPA for the semester in which the student applies. Science courses must be taken within seven years of the semester in which the program will start.

Grades of "C" (2.00) or better must be earned in each prerequisite course and a minimum cumulative GPA of 3.00 for the prerequisites mentioned above is required by December 15. Courses with a grade of "C" or better may not be repeated to improve the prerequisite GPA. Students should see their academic advisor for limited replacement course options.

Placement is based on a select GPA and a TEAS score of 58.7% or higher (test must have been taken less than one year prior to the application deadline). Eligibility requirements, criteria for placement and measurements are subject to change. The select GPA will be computed based on eight of 10 prerequisite courses. If only eight prerequisite courses are completed by the placement deadline, the student's select GPA will include all eight of the courses, four of which must be science courses. If the student has more than eight courses completed, they must select at least three of four lab sciences and then choose five other courses.

Nursing faculty may opt to adjust the courses and the GPA requirements in the selection process.

### **Concurrent enrollment program (CEP)**

The concurrent enrollment program is designed for qualified nursing students who are interested in earning their BSN in nursing while simultaneously pursuing their AAS in nursing at a community college. Selected students will be enrolled in the community college program and ASU RN to BSN courses concurrently. RN to BSN courses taken at ASU will be delivered in an online format. The concurrent enrollment program allows students to pursue an AAS in nursing via the community college while providing an affordable, concurrent course of study that enables students to complete their BSN degree in approximately one to two semesters after graduating with their AAS degrees.

### **Course grades and currency**

Students in the nursing programs must earn grades of "C" (2.00) or better in all nursing coursework except in nursing practice courses in which a designation of a "Y" (satisfactory) or "P" (pass) grade is required. In addition, students are allowed only one nursing course failure (i.e., grade below "C"). The second failure in a nursing course will result in disqualification from the nursing major.

For the traditional prelicensure and accelerated clinical nursing programs, the science courses CHM 101, BIO 201, BIO 202, MIC 205, MIC 206, and HCR 240 must be current within seven years of the program start date.

Undergraduate nursing (prefix: NUR) courses expire after five years. After course expiration, students must re-enroll in the course and must earn a grade of "C" or higher. Students may earn university elective credit or General Studies credit for the original course.

**Program fee --- accelerated BSN prelicensure clinical nursing program:** There is a \$5,500 program fee per semester or term for the accelerated BSN pathway in addition to regular tuition and fees. This totals approximately \$16,500 in



program fees plus regular tuition and fee charges. Fees are subject to change and are nonrefundable. All tuition and fees are subject to change.

## Concurrent degrees

Concurrent degrees are multiple degrees with one conferral date. The student receives both degrees at the same time regardless if coursework for one degree is completed prior to the other degree. To pursue concurrent degrees, students must be in good academic standing.

A student desiring a concurrent degree program must meet with an academic advisor in both degree programs to learn about degree and graduation requirements and the eligibility requirements for submitting a petition. Both academic success specialists should review the graduation plan that outlines the courses the student will take each semester through graduation.

A student pursuing a concurrent degree must submit a university petition requesting the concurrent degree.

<https://nursingandhealth.asu.edu/student-life/current-students> [1]

The concurrent degree petition must include:

1. an accurate degree completion plan that has been reviewed by academic success specialists from both degree programs and that shows the courses to be taken each semester through graduation
2. a formal statement outlining the request for concurrent degrees which may include short- and longer-term personal and career objectives and goals

The Edson College of Nursing and Health Innovation petitions subcommittee will review the student's concurrent degree request. Concurrent degrees may not be from the same discipline or have significant overlap in the courses required for each major.

Approved petitions are forwarded to the university registrar for notation on the student's record.

To remove a concurrent degree, the student should email [edsoncollege.advising@asu.edu](mailto:edsoncollege.advising@asu.edu) [9] with the student's full name and ASU ID number as well as which degree the student wants to be removed from the academic record. If the student is pursuing any minors, the student must indicate if they wish to retain the minors.

## Reinstatement/readmission

Disqualified students who have skipped a fall or spring semester must follow the procedures for readmission. Information about readmission to the university is at <https://admission.asu.edu/undergrad/readmission> [10]. Applications for reinstatement and readmission to nursing are subject to rigorous requirements that reflect admission and progression standards.

## Other special requirements

**Special Note:** The Edson College of Nursing and Health Innovation periodically needs to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical health care agency requirements; therefore, policies, protocols and procedures with respect to clinical placement are subject to change. Students should confirm current policies, protocols and procedures with the student handbook at <https://nursingandhealth.asu.edu/current-students> [1].

## Professional licensure

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, the college recommends visiting the Professional Licensure (<https://admission.asu.edu/academics/licensure> [11]) page to determine the requirements of individual state licensures or national certifications.

## **Authorization for ASU Online programs**

As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with NC-SARA established policies and standards; program exceptions are noted on the ASU Authorizations website: <https://asuonline.asu.edu/about-us/authorizations/> [12]. Currently, the RN to BSN program does not have approval from the boards of nursing in Tennessee, Rhode Island or Washington to be offered to RNs licensed in those states.

## **Titers and immunizations**

Students should refer to the appropriate student handbook [1] and the nursing application guide for the most recent requirements.

## **Level one fingerprint clearance card**

Level one fingerprint clearance, in the form of a fingerprint clearance card, is required by Arizona state law in order to work with and care for children, the elderly and vulnerable adults. Fingerprint clearance is determined after a background screening process at the state and federal levels to check for criminal records. Students must have a valid, unrestricted fingerprint clearance card to advance to and remain in the clinical nursing programs. Students with concerns about a restriction may call the Arizona Department of Public Safety at 602-223-2279.

## **Arizona State Board of Nursing requirement for RN licensure**

Once students have completed their clinical nursing program, they must pass a national licensing examination known as the NCLEX-RN in order to obtain a nursing license. Application for and passage of the NCLEX-RN is the sole responsibility of the student. Arizona state law prohibits an individual convicted of a felony from applying for nursing licensure or certification until five years after the date of absolute discharge of the sentence. This means that all court-ordered terms of probation or parole must be completed at least five years prior to the date of application for nurse licensure. Each case is considered by the Arizona State Board of Nursing on its own merits. The elapse of five years does not guarantee licensure or certification; it simply permits the submission of an application and board consideration. In addition, the Arizona State Board of Nursing may deny any application for a license if the applicant has committed any acts of unprofessional conduct. Students should see the Arizona State Board of Nursing website at <http://www.azbn.gov> [13].

## **Equal access**

The college is committed to making learning experiences accessible and inclusive for all students, including those with an identified disability or disabling condition. In compliance with the ASU policy on Students with Disabilities – SSM 701-02 [14], every effort will be made to accommodate students with special needs to find cost-effective methods to address the identified student condition and serve the needs of the patients. Accommodations may include resources and assistive aids for those students with cognitive and perceptual disabilities, specialized equipment for hearing or vision deficits, and modifications to the physical environment or clinical hours. Students with disabilities are required to document their condition with Student Accessibility and Inclusive Learning Services [15] upon admission to the college and to be key participants in identifying their needs. The college will provide reasonable and appropriate accommodations for any student who has documented a disability or disabling health condition.

## **Supplemental requirements for the clinical nursing programs**

The requirements specified in this section affect student ability to progress in the clinical nursing program coursework, eligibility for clinical placement and ultimately, to be licensed as an RN.

**Cardiopulmonary resuscitation/basic life support certification:** Proof of CPR/BLS health care provider certification is required. Currently, only CPR certification from the American Heart Association as a BLS Provider is accepted. Students are required to keep the CPR/BLS certification current throughout advancement consideration and when enrolled in the prelicensure clinical nursing program.

**Federal and state background screening:** Students must have an unrestricted security background check to advance to and remain in clinical nursing programs.

**Substance screen:** All students in clinical nursing programs will be required to complete a substance screen. Results of the screen must be negative. Dilute specimens are considered positive. Students will also be tested for nicotine; however, the presence of nicotine will not restrict enrollment in clinical coursework but will affect the clinical placements while in the program.

**Lawful Presence:** The college follows the Arizona State Board of Nursing policy regarding lawful presence in the United States. <https://www.azbn.gov/licenses-and-certifications/citizenship-and-alien-status> [16]

“On January 2, 2008, ARS 1-504 (HB2467) was implemented by the board requiring ALL applicants to provide the board with satisfactory documentation demonstrating the applicants’ citizenship, alien status, legal residency or lawful presence in the United States.”

**Required clinical experiences:** Clinical hours vary with facility placement and may include 12-hour blocks of time, weekends and evenings. Flexibility is required since there are a limited number of available clinical sites for student experiences. Students must have the ability to utilize written, verbal and computerized communication with faculty, peers and other health care professionals. Students are expected to demonstrate the ability to think critically and apply nursing knowledge to clinical situations. Students are also required to accept professional supervision from faculty and designated staff and effectively integrate feedback into practice.

## Graduate policies

### Additional policies

**Academic advising:** Prospective graduate students may receive information through the college recruitment office at 602-496-0937 or [edsoncollege@asu.edu](mailto:edsoncollege@asu.edu) [17]. Upon admission, each student is assigned a faculty advisor or mentor within the degree or certificate program or area of concentration.

**Handbooks:** Students should review the student handbooks for the Edson College of Nursing and Health Innovation for information regarding graduate academic procedures and protocols: Graduate Programs in the Edson College of Nursing and Healthcare Innovation Student Handbooks [1].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Edson College of Nursing and Health Innovation.

**Source URL:** <https://catalog.asu.edu/policies/nursing>

### Links:

[1] <https://nursingandhealth.asu.edu/student-life/current-students>

[2] <mailto:edsoncollege@asu.edu>

[3] <https://provost.asu.edu/academic-integrity>

[4] <https://eadvisor.asu.edu/>

[5] <https://advising.nursingandhealth.asu.edu/apps/nursing/advising/>

[6] <https://nursingandhealth.asu.edu/admissions/information-sessions>

[7] <https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nursing-rn-bsn/>

[8] <http://www.atitesting.com/>

[9] <mailto:edsoncollege.advising@asu.edu>

[10] <https://admission.asu.edu/undergrad/readmission>

[11] <https://admission.asu.edu/academics/licensure>

[12] <https://asuonline.asu.edu/about-us/authorizations/>

[13] <http://www.azbn.gov/>

[14] <http://www.asu.edu/aad/manuals/ssm/ssm701-02.html>

[15] <https://eoss.asu.edu/drc>

[16] <https://www.azbn.gov/licenses-and-certifications/citizenship-and-alien-status>

[17] <mailto:edsoncollege@asu.edu>

# Watts College of Public Service and Community Solutions policies

Watts College of Public Service and Community Solutions believes our students are our greatest resource. We strive to put the well-being of our students at the center of every policy and program. Each student situation is unique, and we encourage our students to work directly with our talented advising staff to address concerns and issues within the stated policies and procedures.

## Academic integrity

Watts College of Public Service and Community Solutions' academic integrity process models the ASU process. For more information on the process, including next steps, students should review <https://publicservice.asu.edu/grievance-process> [1].

## Undergraduate policies

### Academic standing

Students in Watts College of Public Service and Community Solutions are considered to be in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU. Certain majors within Watts College of Public Service and Community Solutions may require a progressively higher GPA than 2.00 as a student advances toward their degree. These requirements are outlined in the student's major map.

### Changing majors

A student changing their major into Watts College of Public Service and Community Solutions should have a GPA of 2.00 or greater.

### Probation

Any student who does not maintain good standing is placed on academic probation. A student on academic probation is required to observe any limitations or rules the college may impose as a condition for retention.

### Disqualification

A student who is on probation becomes disqualified if one of the following occurs:

- The student has not returned to good standing.
- The student has not met the required semester GPA.

Disqualification is exercised at the discretion of the college and becomes effective on the first day of the fall or spring semester following college action. A disqualified student is notified by the dean of the college and is not allowed to register for a fall or spring semester at the university until reinstated. A student who is disqualified may not attend as a nondegree student.

### Advising

The mission of Watts College of Public Service and Community Solutions' professional academic advising staff is to assist students in developing meaningful educational plans for meeting their academic, career and personal goals; this is done through an ongoing process of evaluation and clarification. The advisors strive to perform their duties in a professional, ethical, confidential, accurate and supportive manner, respecting student diversity and needs and always holding the individual in highest regard. The student and advisor should accomplish this process in a spirit of shared responsibility to help the student develop academic excellence, strong decision-making skills and self-reliance. A student who has been admitted to Watts College of Public Services and Community Solutions works with professional advisors and student services staff with expertise in the student's major area of study. Questions about advising should be directed to the student's advising team or to Watts College of Public Service and Community Solutions student services office.

Contact information for college advising can be found at: <https://publicservice.asu.edu/advising> [2].

## **Mandatory advising**

The following categories of students are required to receive advising and be cleared by a program advisor before they may register for classes:

- all first-year students
- all students majoring in social work
- readmitted students
- students on probation
- students who have been disqualified
- students with special admission status
- students with admission competency deficiencies
- transfer students in the first semester at ASU

## **Credit/registration**

### **Course load**

A normal course load per semester is 15 or 16 credit hours. The maximum number of hours for which a student can register is 18 credit hours (fall/spring semesters) unless an overload petition has been filed with, and approved by the department or school standards committee and dean or dean's designee. Semester course loads may be further limited for students in mandatory advising status. Petitions for overload ordinarily are not approved for students who have a cumulative GPA less than 3.00 and who do not state valid reasons for the need to register for the credits. Students who register for an excess of 18 credit hours and do not have an approved overload petition on file may have courses randomly removed through an administrative drop action. Specific degree requirements are explained in detail under the respective college, school and department sections.

## **Degree requirements**

### **Interdisciplinary public service requirement**

Watts College of Public Service and Community Solutions has a college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the interdisciplinary public service requirement. Each student must complete coursework from other schools within the college. Students may choose a core course from their major and two courses from the approved course list for this requirement in addition to completing ASU 101-CPP. ASU 101-CPP must be completed in the first year at ASU; the other courses can be taken while completing the degree. The approved course list for each catalog year is available on the major map. Questions about this requirement should be directed to the academic advisor for the major.

### **Solution-based learning requirement**

Watts College of Public Service and Community Solutions has a second college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the solution-based learning requirement. Each student must complete coursework from their school or another school within the college that has an SBL designation. Students must choose a course from the SBL list to meet this requirement. The approved course list for each catalog year is available on the major map. Questions about this requirement should be directed to the academic advisor for the major.

### **Concurrent degrees**

Watts College of Public Service and Community Solutions supports students who wish to pursue concurrent degrees. The structure of a student's academic program is customized to meet degree requirements for both programs of study. Students are encouraged to meet with an academic advisor from each degree to establish a feasible program of study and fill out concurrent degree petition. Students should note that pursuing a concurrent degree will require paperwork from both colleges.

## Reinstatement/readmission

Students seeking reinstatement after disqualification should contact Watts College of Public Service and Community Solutions student services office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmission process [3]. All academic disciplinary action is the function of the Watts College of Public Service and Community Solutions student services office under the direction of the dean of the college. Students having academic problems should contact this office at 602-496-0600.

## Graduate policies

### Advising

Advising is usually handled by a professional academic graduate advisor, graduate faculty or a committee. Once admitted, each student is typically assigned an advisor in their degree's department; this advisor assists in planning a course of study. For those degree programs requiring the completion of a thesis or dissertation, a chairperson and thesis or dissertation supervisory committee are selected by their degree program's director of graduate studies, in consultation with the student and appointed by the dean of the Graduate College. Each graduate degree program in Watts College of Public Service and Community Solutions has its own set of policies regarding academic performance expectations. Students should contact their graduate advisor to review policies relevant to their degree.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and Watts College of Public Service and Community Solutions.

**Source URL:** [https://catalog.asu.edu/policies/public\\_programs](https://catalog.asu.edu/policies/public_programs)

### Links:

[1] <https://publicservice.asu.edu/grievance-process>

[2] <https://publicservice.asu.edu/advising>

[3] <https://admission.asu.edu/undergrad/readmission>

## Mary Lou Fulton Teachers College policies

ASU's Mary Lou Fulton Teachers College creates knowledge, mobilizes people and takes action to improve education. Mary Lou Fulton Teachers College faculty create knowledge by drawing from a wide range of academic disciplines to gain insight into important questions about the quality of teaching and learning and the performance of education systems. Mary Lou Fulton Teachers College mobilizes people through bachelor's, master's and doctoral degree programs, through nondegree professional development programs and through socially embedded, multilateral community engagement. Mary Lou Fulton Teachers College takes action by bringing people and ideas together to increase the innovation capabilities of individual educators, schools and organizations, districts and communities.

Mary Lou Fulton Teachers College embraces a core value of principled innovation through which we hold ourselves accountable to three imperatives:

**Economic imperative:** We need to prepare learners for the next economy.

**Democratic imperative:** We need to prepare students to become part of an educated citizenry capable of assuming the responsibilities of self-government and of participating in a thriving civil society.

**Equity imperative:** We need to deliver equitable and excellent education to all learners.

For more information, students should visit <https://education.asu.edu> [1].

### Academic integrity

Academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include: appropriate grade penalties, loss of registration privileges, disqualification and dismissal.

Mary Lou Fulton Teachers College strictly adheres to the academic integrity policy. This policy sets forth the ASU Student Academic Integrity policy and appeal procedures. Further information can be found at <https://provost.asu.edu/academic-integrity> [2]. The associate dean of academics handles all questions and concerns related to academic integrity violations in the Mary Lou Fulton Teachers College. Both students and faculty can contact the Academic Integrity Officer to report an academic integrity violation or to ask questions related to academic integrity policies and procedures.

### Undergraduate policies

#### Academic standing

##### **SATISFACTORY ACADEMIC PROGRESS AND PROFESSIONAL CONDUCT POLICY**

In order to remain in good standing in the Mary Lou Fulton Teachers College, students must maintain satisfactory academic progress consisting of both academic performance and adherence to the Teachers College Professional Responsibilities Standards. This document sets forth the standards and expectations for satisfactory academic progress and good standing and explains the consequences of failure to meet these standards.

In addition to the policies stated herein, students are expected to abide by applicable university and Arizona Board of Regents policies, including the ASU Student Code of Conduct (<https://eoss.asu.edu/dos/srr/codeofconduct> [3]), the ASU Student Academic Integrity Policy (<https://provost.asu.edu/academic-integrity> [2]), as well as all policies, procedures, rules, regulations and requirements established by the local education agency, school district, or school in which they are engaged in professional experiences, internships or residency. Failure to do so may lead to consequences that include dismissal from the program and expulsion from the university.



## Section I: academic performance requirements

### A. Satisfactory academic progress

Advisors conduct ongoing reviews of students' academic and professional performance in order to determine retention and continuation status. Students with records containing indicators of professional or academic concerns may be placed on academic probation or academic suspension or may be dismissed (permanently removed) from their programs or from the college.

To meet satisfactory academic requirements, all undergraduate students must:

1. Maintain a minimum overall cumulative GPA of at least 2.00 during their freshmen and sophomore years. Teacher certification students must maintain a cumulative ASU GPA of 2.50 or greater during their junior and senior years.
2. Achieve a "C" grade or better in all courses listed on the plan or program of study, including secondary education content area courses. Earning a grade of "W" or "I" in more than one course may be considered a lack of academic progress.
3. Pass all required professional experiences, including internships and residencies, with a grade of "C" or better.
4. Maintain good standing as outlined in the professional responsibilities standards section. Students who violate professional responsibilities may be placed on academic probation or suspension or may be recommended for dismissal.

### Definitions

**Academic probation:** This is the status assigned to a student who has failed to maintain satisfactory academic progress, also referred to as not in good academic standing. A student placed on academic probation is informed of the areas in which program standards are not being met and the actions the student must take to be removed from academic probation and restored to good standing. A student failing to meet the conditions for reinstatement to good standing may be recommended for dismissal from the program.

A student placed on academic probation will be permitted to progress into the next term (unless the next term includes residency) while addressing the deficiency. A student who is on academic probation in which the next term requires residency needs to meet with his or her advisor to discuss options for the semester.

**Academic suspension:** An undergraduate student placed on academic suspension may not progress into the next term until all deficiencies have been resolved. Students are required to complete their deficiencies within one calendar year. Failure to do so results in dismissal from the program.

**Deficiency:** This term describes a required course or another program criterion, such as coursework or GPA, which was not met or was not successfully completed.

**Dismissal:** Administrative removal from the internship, from residency, from the degree program, or from the college is referred to as dismissal.

When the student is notified of a dismissal, he or she must participate in a meeting with college administration. The student's current and future status is determined after further review by administration.

**Professional improvement plan:** A professional improvement plan is a tool designed to support students who may be at risk of not progressing in their major or academic plan. The PIP outlines specific action steps a student must complete in order to maintain or return to good standing within their major or academic plan. These are the typical reasons for placement on a PIP:

- poor academic standing (i.e., ongoing academic deficiencies across coursework)
- issues regarding professionalism (classes or clinical experience)
- academic integrity violation (plagiarism, cheating, etc.)

Any ASU representative or district partner may refer a student for placement on a PIP. Students who are referred for a PIP will meet with a faculty representative and director of student services to develop a plan for success in the Teachers College.

A student is prevented from further enrollment in any initial teacher or administrator program for any of the following reasons:

- expulsion from Arizona State University
- failure to meet the professional responsibilities outlined in the Mary Lou Fulton Teachers College Professional Responsibilities Standards and the ASU Student Code of Conduct
- failure to resolve academic deficiencies
- noncompliance with a professional improvement plan

## **B. Unsatisfactory academic progress consequences**

### **GPA and grade deficiencies**

**Academic probation:** Academic probation may be imposed if a student has one of the deficiencies listed below. A student placed on probation will be permitted to progress into the next term (unless the next term includes residency, an applied project or culminating experience) while addressing the deficiency. A student who is placed on probation in which the next term requires residency will need to meet with their advisor to discuss options for the semester.

**Academic Suspension:** Academic suspension may be imposed if an undergraduate student has two or more of the deficiencies listed. An undergraduate student placed on academic suspension may not progress into the next term until all deficiencies have been resolved. Students are required to complete their deficiencies within one calendar year. Failure to do so may result in dismissal from the program.

Deficiencies for undergraduate students:

1. a cumulative GPA less than 2.00, or 2.50 for teacher certification students in the junior and senior years
2. an "I" in an education course or secondary education content course
3. a grade of "D", "E", or "W" in an education course
4. a grade of "D" or "E" in a required secondary education content course

Undergraduate students are not approved for student teaching if they are on academic probation or suspension. Once a student returns to good standing, the student is approved for student teaching.

### **Professional experience deficiencies --- undergraduate students**

The following policies apply to students enrolled in initial teacher certification programs.

1. A student who fails a professional experience course may be allowed to retake the course one time if the reasons for failure are judged to be remediable. If a student is permitted to retake the professional experience or internship and fails to pass the second time, the student will be dismissed from the program.
2. In some cases, internship issues may be nonremediable. These may include actions that cause the sponsoring school district or other organization to suspend or dismiss an intern or resident or to demand that the intern or resident be removed from the placement or internship due to violations of the professional responsibilities standards, violations of a professional code of conduct, district policy, or state or federal law, or engages in other inappropriate behavior. The division determines, based on information from the supervisor, the mentor teacher, the school district, other sponsoring organization, and the student, whether the student actions warrant immediate dismissal from the program without benefit of a period of academic probation or another attempt to pass the professional experience or internship.

## **C. Reinstatement to Good Academic Standing**

To be restored to good academic standing:

1. A student must maintain or improve grades to meet the academic performance requirements.
2. An initial teacher candidate must meet the expectations of any professional improvement plan related to satisfactory academic progress or professionalism while in the program.

**Special note:** A student on probation for lack of satisfactory progress in one area (e.g., academic progress or professional responsibilities) who subsequently fails to maintain good standing in the other area is recommended for dismissal. Return to good standing requires satisfactory progress in both areas during the time on probation. Sequential semesters of probation for repeated failures to maintain satisfactory progress are not considered.

## **Section II: professional responsibilities (conduct)**

### **A. Satisfactory progress**

Professional work is marked by a particular responsibility to the clients served. Educators are trusted with significant power and authority over students and must demonstrate that they adhere to the standards of the profession. Therefore, in addition to academic progress requirements, students are evaluated with regard to Professional Responsibilities Standards as described in this document.

The Mary Lou Fulton Teachers College Professional Responsibilities Standards show the required expectations for all students.

- All initial teacher certification students are expected to meet the professionalism standards in Sections A, B, C, and D at the applying level, as a minimum, throughout their course of study.
- Students in noncertification programs are expected to exhibit professional conduct by meeting all standards in Sections A and B at the emerging level, as a minimum, throughout their course of study. Showing professionalism and growing and developing professionally are expected in all clinical experiences; in preK-12 school-related settings; and in university settings, including in interactions with university faculty and staff.

### **B. Unsatisfactory progress -- professional responsibilities**

Students are informed of an allegation of a violation of or lack of compliance with the Professional Responsibilities Standards, and they have an opportunity to respond. As a general rule, the college seeks to assist students to become professionals by working with the students to develop and improve professional conduct. Students accused of violating or not complying with the professional responsibilities standards meet with the division director or designee and the director of student services or those otherwise appointed to discuss allegations, and they will be informed of their status in the program after the meeting. Possible sanctions include academic probation, suspension, disqualification or dismissal from the initial teacher certification program.

All other university policies regarding student conduct are in addition to these requirements, and infractions of the ASU Student Code of Conduct may result in additional investigations and consequences through university procedures.

### **C. Dismissal from clinical experiences internship or student teaching)**

The following policies apply to students enrolled in initial teacher certification programs.

In the event a school district requests that a student be dismissed from an internship or residency placement for unprofessional or inappropriate behavior, the intern or teacher candidate is required to attend a meeting with the division director or designee, the director of student services, and other college representatives as determined by the division director to discuss the reasons for request for dismissal from the internship or residency placement. If it is determined that the allegations of a violation of unprofessional behavior resulting in the request for dismissal from the school or district are warranted, one or all of the following actions may result. The intern or teacher candidate:

- will be dismissed from the internship or residency placement
- will receive a failing grade of "E" for the internship or residency course\*
- will not be assigned another internship or residency placement during the same semester in which the teacher candidate was assigned a failing grade
- may not withdraw from the internship or residency course course\*\*
- must withdraw from all courses that require concurrent enrollment with a professional experience course

\*If an intern or teacher candidate wishes to appeal the "E" grade, the candidate can follow the grade appeal process as outlined on the Teachers College website. The first step in the grade appeal process is to meet with the course instructor. Students have 10 business days to appeal a grade.

\*\*If a withdrawal is processed by the Office of the Registrar, the grade will be administratively changed to an "E".

\*If an intern or teacher candidate wishes to appeal the "E" grade, the candidate can follow the grade appeal process as outlined on the Teachers College website. The first step in the grade appeal process is to meet with the course instructor. Students have 10 business days to appeal a grade.

\*\*If a withdrawal is processed by the Office of the Registrar, the grade will be administratively changed to an "E".

If a teacher candidate wishes to repeat the internship or residency and concurrent course work during the semester following the dismissal, the teacher candidate must show evidence of how they plan to resolve the situation or circumstances which resulted in the removal from the internship or residency.

In the event that the teacher candidate violates the rules, policies or procedures for conduct established by the school, district, local education agency, ASU, Teachers College, or the law while on a PIP for unprofessional behavior, the teacher candidate will be dismissed from the initial teacher certification program. Teacher candidates who are dismissed may not petition to continue in their current academic plan, but may be eligible to pursue other non-certification degree options within Teachers College (i.e., educational studies, master's degree without certification) or within other colleges at ASU.

## Appeal process

### Academic probation

There is no appeal from the action of being placed on probation. Probation provides warning to the student of the potential for suspension or dismissal.

### Grade appeals

#### Reasons for grade appeal

A student may appeal a grade only when the student can document that one or a combination of the following has occurred:

1. The instructor erred in calculating points or acknowledging timely submission of assignments.
2. The instructor did not apply grading standards equitably; for example, there is evidence of bias due to race, age, sex, religion or national origin.
3. The instructor did not assign grades consistently with the standards and procedures for evaluation announced at the beginning of the course in the course syllabus. The instructor may amend or supplement the standards and procedures during the course by providing written or oral notice to the entire class.

#### Grade appeal procedure

To receive consideration, grade appeals must be submitted to the course instructor within 10 business days of the last date for posting final grades, as noted in the academic calendar. The academic calendar is available at <https://students.asu.edu/academic-calendar> [4].

**Step one: informal meeting with instructor** – This step is mandatory and applies to an appeal of course grades only.

1. The student must contact the instructor of the course and submit the attached grade appeal. The student must provide to the instructor any additional relevant documentation to support the appeal and reasons for disputing the grade. The narrative accompanying the grade appeal form may not exceed five double-spaced pages.
2. The student must meet with the instructor either face to face or, in the case of online classes only, virtually. If this meeting does not resolve the grievance, the student may move to step two and submit the grade appeal form to the appropriate contact in the Office of Student Services.

If the required meeting with the instructor has not taken place, the appeal will be accepted only if the student supplies evidence that the student contacted the instructor and either received no reply within five business days or was unable to schedule a meeting within 10 business days of the date of contact.

**Step two: submit grievance to Office of Student Services** – If the grievance is not resolved in step one, the student should contact the executive director of academic services at 480-965-5555.

**Step three: division director reviews grade appeal** – The executive director of student services will review the grade appeal and may request additional information, if needed. The grade appeal will be forwarded to the division director for review. The division director will review all information and will notify the student of the outcome.

**Step four: appeal decision to the dean**

- Per university policy, the student may appeal the division director's decision to the dean, whose decision is final. The student must appeal within five business days of receiving the letter from the division director. The letter will contain information regarding how the appeal should be submitted.
- Only the issue appealed to the division director may be appealed; no new issues or complaints may be added.
- The dean or designee has full discretion as to whether to refer the appeal to the Student Issues Committee (also known as the college Academic Grievance Committee). Students should see <https://catalog.asu.edu/appeal> [5] for university policies on grade appeals.
- The student will be notified by mail of the outcome. The decision of the Student Issues Committee (dean's designee) is final.

**It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.**

More information on university grading policies is at <https://catalog.asu.edu/appeal> [5].

During the time of the appeal, a student may register for courses; however, if the appeal is denied and the student is withdrawn, university policies on tuition refunds will be applied. Any concerns about tuition charges should be addressed to the registrar's office.

## Advising

The Office of Student Services is dedicated to providing students with the very best academic support and guidance in every phase of a student's academic program. Academic program advisors provide students with assistance in selecting classes and in fulfilling program requirements. Each ASU campus has dedicated academic advisors knowledgeable about all Mary Lou Fulton Teachers College programs. Students should see <https://education.asu.edu/student-life/student-services-undergraduate> [6] for advising locations and contact information. Students are encouraged to meet with their advisors every semester.

## Credit/registration

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires college academic advisor approval.

## Audit

Teachers College students are permitted to audit any course that is not part of the professional pathways curriculum. Additional university fees are assigned to courses when the audit option is chosen.

## Course prerequisites

Enrollment in upper-division professional pathways coursework requires approval from Teachers College. Students should review current course descriptions for course prerequisites.

## Incomplete grades

Incomplete grades will only be issued if a student is in good standing in the course and experiences an extenuating situation resulting in the inability to complete the course on time. Incompletes issued for courses not leading to Arizona teacher certification must be completed one calendar year from the initial grade assignment. Students enrolled in an initial teacher certification program must complete courses for which they received “I” (incomplete) grades before the start of student teaching.

## Grade appeals

The grade appeal policy for courses offered in the Mary Lou Fulton Teachers College is available at <https://education.asu.edu/mymlftc/student-forms-policies> [7]. Students attempting to appeal grades must first discuss the reasons with the course instructors. Appeals must be filed by the deadline stated in the policy.

## Pass/fail

A “Y” (satisfactory) grade is assigned to a passed course and an “E” grade is assigned to a failed course. Only the “E” grade is computed in the ASU cumulative GPA.

## Transfer

Students may transfer a maximum of 64 credit hours from two-year institutions. There is no limit to the number of credits transferred from four-year institutions. Students interested in substituting previous teacher preparation courses for current professional pathway Teachers College courses must submit the petition for adjustment of requirements to the Office of Student Services at their chosen campuses.

Any transfer student who is interested in starting an initial teacher certification pathway must submit an online form, have a 2.50 cumulative GPA, have completed 60 credit hours, and fulfill specific course requirements as outlined by each education major. Students who complete the Associate of Arts in elementary education, Arizona community college MyPath2ASU and Maricopa MAPP MyPath2ASU will meet the requirements for progression into the professional pathway.

## Withdrawal

Students should review the Mary Lou Fulton Teachers College undergraduate withdrawal policy at <https://education.asu.edu/mymlftc/student-forms-policies> [7] and the current university withdrawal procedures at <https://students.asu.edu/drop-add> [8]. It is each student’s responsibility to withdraw from courses. Students are not automatically withdrawn for nonattendance.

## Degree requirements

Students who begin at ASU as first-year students follow the major maps for their chosen programs. The major map is an outline that students follow each term for enrollment. Students who have attended only ASU have their progress reviewed at the completion of each term to ensure that they are on track for graduation. Transfer students must attend an advising session in which they will learn the degree requirements as well as minimum eligibility requirements for degree completion. Students must fulfill clinical experience, student teaching or service learning requirements as part of degree completion. Mary Lou Fulton Teachers College is committed to providing support and resources for students needing academic or professional growth assistance.

To be in good standing in Mary Lou Fulton Teachers College, students must maintain an overall cumulative GPA of 2.00 or greater (2.50 GPA for teacher certification students in junior and senior years) and earn a “C” grade (2.00) in all education courses. Students are evaluated in accordance with the Mary Lou Fulton Teachers College retention and continuation policy. Students in the professional pathway are formally reviewed regarding their academic progress to determine retention and continuation status. Students with records that contain indicators of professional or academic concerns will be placed on probation, suspension or permanently removed from their programs.

Students who exhibit unprofessional behaviors or attributes are required to meet with a Mary Lou Fulton Teachers College administrator to develop a professional improvement plan, which outlines the expectations for continuing in the program.

Such students are placed on probation or suspension and are subject to the disqualification policy of Mary Lou Fulton Teachers College. Students should refer to the retention and continuation policy for additional information: <https://education.asu.edu/mymfltc/student-forms-policies> [7].

## Concurrent degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.

Requirements for students who wish to pursue a concurrent degree:

- Students must be in good academic standing, maintaining a minimum cumulative GPA of 2.50 or greater. (Exception: Students enrolled in the educational studies degree program must maintain a minimum cumulative GPA of 2.00.)
- Students must inform their Teachers College advisor of each degree being pursued as a concurrent degree. This information is important to the department's record-keeping, and it may affect recommended courses.
- Students studying secondary education may not pursue a concurrent degree in the same area as their content area.
- If one of the degrees is offered through another college, the student must contact that college and complete its required procedures for requesting and pursuing concurrent degrees.

## Reinstatement/readmission

Applications for reinstatement and readmission are reviewed by the director of undergraduate student services on a case-by-case basis.

## Other special requirements

### STUDENT TEACHING REQUIREMENTS

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

#### Academic requirements

To be eligible to progress into residency, a student must be in good academic standing with the Teachers College and all outstanding courses. Students who have academic deficiencies as outlined above are not approved for residency until the deficiencies are completed. For undergraduates, this includes requirements for General Studies, foundational courses and electives in the major and minor.

If students wish to take a course concurrently with residency, in addition to the courses required, they must submit a petition for review by the advising department. The course must be offered in the evening or online and not conflict with contracted hours for residency.

#### Essential functions of student teaching or administrator internship

As a credentialing institution of the State of Arizona, the mission of the Mary Lou Fulton Teachers College is to prepare teachers for service in PreK-12 school settings. Teachers College students are required to complete multiple clinical experiences (internships and student teaching) in which they must be able to perform the essential functions of teaching. The essential functions required by Teachers College are in the areas of physical capacity, cognitive flexibility and communication. The ability to perform these essential functions is a requirement for successful completion of the teacher preparation program.

Teaching is a demanding profession that requires a great deal of physical, mental and emotional stamina and in which the safety and well-being of children and youth is paramount. Interns and student teachers spend the majority of their days standing while interacting with PreK-12 students in the classroom and other areas of the school grounds. Walking students from one classroom to another and maneuvering through tight spaces between desks or other classroom furniture is commonplace. In early childhood and elementary settings, walking and moving quickly along uneven surfaces on the playground is necessary. Working with PreK-12 students also entails kneeling or squatting, stooping and bending



from the waist at 50- to 70-degree angles frequently throughout the day. Reaching at, below or above shoulder height to write on chalkboards or white boards and using technology and audio visual equipment requires significant manual dexterity. Occasionally, interns and student teachers will be required to lift or move items weighing up to 30 pounds. These physical requirements allow the effective teacher candidate to engage students in activities and materials that challenge and sustain the attention of students while carrying out instructional plans.

The cognitive demands of internships and student teaching require that teacher candidates master relevant content in all subjects taught in the assigned classroom, use personal modeling to demonstrate performance expectations with precise and correct command of the English language, provide oral and written feedback that is academically focused, frequent and of high quality, and use content-specific instructional strategies that enhance students' knowledge of content. Student teachers also must be able to provide differentiated instruction to ensure that all children have the opportunity to master what is being taught. In addition, student teachers must maintain emotional control under stress and establish rules for learning and behavior both inside the classroom and on all other areas of the school grounds by monitoring for student safety and behavior. Student teachers are evaluated using the TAP rubric across these essential functions of student teaching. The TAP rubric can be accessed in the Clinical Experiences Handbook provided at orientation.

The physical, cognitive and communicative demands described here are representative of those that must be met by interns and student teachers to perform successfully the essential functions of their assigned clinical experiences. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform these essential functions.

## **Definitions**

**Institutional Recommendation (IR):** All Teachers College certification programs are approved by the State of Arizona Department of Education to issue institutional recommendations to students who have fulfilled the state's requirements for certification. The IR allows for expedited issuance of the teaching or administrative certificate.

## **Student support**

### **Pregnancy leave policy**

In accordance with Title IX, students requiring leave are entitled to leave for as long as it is deemed medically necessary by their physician. For absences fewer than two weeks for session C courses or one week of leave for session A/B or summer courses, students should be able to make up the missed work without affecting field placement. Longer leaves are accommodated; however, students are still required to complete all assignments and other requirements that accumulate during their leave prior to the last day of classes. Students who are unable to make up requirements prior to the end of the semester receive a grade of "incomplete" or have the option of applying for a medical withdrawal without loss of any tuition paid that semester. During the leave, absences will be excused and will not negatively impact final grades. Students who need to request leave should submit their medical documentation to the senior director of student services in the Mary Lou Fulton Teachers College.

### **Accommodations**

Mary Lou Fulton Teachers College is committed to student success and ensures an inclusive learning environment for all students. Students with disabilities or disabling health conditions who need accommodations are required to document their condition with the Student Accessibility and Inclusive Learning Services. The Mary Lou Fulton Teachers College encourages admitted students with disabilities or disabling health conditions who believe they may need an accommodation to register with SAILS prior to enrolling in the program. That way, all reasonable accommodations can be in place at the beginning of the program. Students who are registered with SAILS will be key participants in establishing reasonable and appropriate accommodations with course instructors.

## **Additional requirements for teacher certification candidates**

### **Fingerprint clearance card**

Per Arizona state statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity-verified fingerprint clearance card. All students enrolling in programs leading to certification must participate in professional experiences. Students participating in a professional experience must have



proof of a fingerprint clearance card on file in the Office of Professional Experiences before clinical placement hours begin.

### **Intent to progress**

All students who start at ASU as first-time first-year students must submit their intent to progress forms to the Office of Student Services during term three, before beginning the professional pathway program in term five. The intent to progress form is located at <https://education.asu.edu/mymifc/student-forms-policies> [8].

## **Graduate policies**

The college offers master's degree and doctoral programs as well as graduate certificates. Some programs also allow students to obtain state or professional certification.

After admission to a degree program, specific advice related to degree requirements and activities is provided by academic advisors in the Office of Student Services. Once admitted, all graduate students are required to submit a plan of study. The plan of study functions as a contract between the student, the academic unit and the Graduate College. The interactive plan of study contains certain degree requirements such as coursework, a committee and a culminating experience. Students can contact an academic advisor for assistance completing the interactive plan of study through the contact information found on their My ASU.

## **Academic standing**

### **Satisfactory academic progress and professional conduct policy**

In order to remain in good standing in the Mary Lou Fulton Teachers College, students must maintain satisfactory academic progress consisting of both academic performance and adherence to the Teachers College Professional Responsibilities Standards. This document sets forth the standards and expectations for satisfactory academic progress and good standing and explains the consequences of failure to meet these standards.

In addition to the policies stated herein, students are expected to abide by applicable university and Arizona Board of Regents policies, including the ASU Student Code of Conduct (<https://eoss.asu.edu/dos/srr/codeofconduct> [3]), the ASU Student Academic Integrity policy (<https://provost.asu.edu/academic-integrity> [2]), Graduate policies and procedures, as well as all policies, procedures, rules, regulations and requirements established by the local education agency, school district or school in which students are engaged in professional experiences.. Failure to do so may lead to consequences that include dismissal from the program and expulsion from the university. Graduate students should also refer to the Graduate College website (<https://graduate.asu.edu> [9]) for further information about the Graduate College policies.

### **Section I: academic performance requirements**

#### **A. Satisfactory academic progress**

Advisors conduct ongoing reviews of students' academic and professional performances in order to determine retention and continuation status. Students with records containing indicators of professional or academic concerns may be placed on academic probation or academic suspension or may be dismissed (permanently removed) from their programs or the college (graduate students should refer to Graduate College policies).

To meet satisfactory academic requirements, all graduate students must:

- Maintain, at minimum, a GPA of 3.00 every semester on the following:
  - Interactive Plan of Study GPA: The iPOS GPA is calculated on all courses that appear on the student's approved iPOS.
  - Overall Graduate GPA: The overall graduate GPA is calculated on all courses numbered 500 or greater that appear on the transcript, except courses that counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's or master's degree program) and courses identified as deficiencies in the original letter of admission.

- Cumulative GPA: The cumulative GPA represents all courses completed at ASU.
- Achieve a "C" grade or better in all courses listed on the plan of study, including secondary education content area courses. Earning a grade of "W" or "I" in more than one course may be considered a lack of academic progress. Doctoral students carrying more than three credit hours of "I" grades will be considered to not be making satisfactory academic progress.
- Pass all required clinical experiences, including internships, apprentice teaching and student teaching, with a grade of "C" or "Y" or better.
- Maintain good standing as outlined in the professional responsibilities standards section. Students who violate professional responsibilities may be placed on academic probation or may be recommended for dismissal.

## Definitions

**Academic probation:** This is the status assigned to a student who has failed to maintain satisfactory academic progress, also referred to as not in good academic standing. A student placed on academic probation is informed of the areas in which program standards are not being met and the actions the student must take to be removed from academic probation and restored to good standing. A student failing to meet the conditions for reinstatement to good standing may be recommended to the Graduate College for dismissal from the program.

A student placed on academic probation is permitted to progress into the next term while addressing the deficiency, unless the next term includes residency, an applied project or a culminating experience. A student who is on academic probation in which the next term requires residency needs to meet with the advisor to discuss options for the semester.

**Deficiency:** This term describes a required course or another program criterion, such as coursework or GPA, which has not been met or was not successfully completed.

**Dismissal:** Administrative removal from the professional experience, from residency, from the degree program or from the college is referred to as dismissal.

**Professional Improvement Plan:** A professional improvement plan is a tool designed to support students who may be at risk of not progressing in their academic plan. The PIP outlines specific action steps a student must complete in order to maintain or return to good standing within their major or academic plan. There are three reasons for making a PIP referral:

- poor academic standing (i.e., ongoing academic deficiencies across coursework)
- issues regarding professionalism (classes or clinical experience)
- academic integrity violation (plagiarism, cheating, etc.)

Any ASU representative or district partner may submit a Notice of Concern (NOC) to refer a student to college administration for placement on a PIP. Students who are referred will meet with the division representative and director of student services to develop a plan for success in the program.

A student is prevented from further enrollment in any initial teacher or administrator program for any of the following reasons:

- expulsion from Arizona State University
- failure to meet the professional responsibilities outlined in the Mary Lou Fulton Teachers College Professional Responsibilities Standards and the ASU Student Code of Conduct
- failure to resolve academic deficiencies
- noncompliance with a professional improvement plan
- failure to meet ASU Graduate College policies

## B. Unsatisfactory academic progress consequences:

### GPA and grade deficiencies

Academic probation may be imposed if a student has one of the deficiencies listed below. A student placed on probation will be permitted to progress into the next term (unless the next term includes residency, an applied project or culminating experience) while addressing the deficiency. A student who is placed on probation in which the next term requires

residency needs to meet with their advisor to discuss options for the semester. A graduate student with a single semester GPA at or less than 2.00 may be recommended for dismissal without the benefit of a semester of probation.

Students should carefully review the Graduate College policies (found at <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals> [10]) as Graduate College policies are required of all graduate students at ASU. Students should pay special attention to the policies regarding GPA, the time limit for degree completion, and continuous enrollment.

Deficiencies for graduate students:

1. interactive Plan of Study (iPOS) GPA less than 3.00
2. overall graduate GPA less than 3.00
3. cumulative GPA less than 3.00
4. a grade below a "C" in any required course\*
5. a grade of "I" or "W" in a required course, or carrying more than three credit hours of "I" for students in doctoral programs

\*Students must repeat a course with a grade below a "C" the following semester it is offered and earn a "C" grade or better. Failure to achieve a "C" or better on the second attempt may result in a recommendation for dismissal from the program.

Students will not be approved for residency if they are on academic probation or suspension. Once a student returns to good standing, the student can be approved to progress into residency.

**Graduate students who are placed on academic probation may not be permitted to complete culminating experiences, such as an applied project, until they return to good standing. Doctoral students must be in good academic standing to complete comprehensive exams or to schedule oral defenses.**

#### **Accelerated programs (4+1 programs)**

Students in 4+1 accelerated programs are considered undergraduate students until all undergraduate requirements have been met. Undergraduate students enrolled in the accelerated program are eligible to enroll in graduate-level courses and seminars. However, they will not be eligible for most graduate prerequisites including teaching and research assistantships and related health insurance, financial aid or graduate award programs until the undergraduate degree is completed.

Students are reviewed on an ongoing basis to ensure academic progress in both bachelor's and master's degree program requirements.

- Undergraduate students in an accelerated bachelor's/master's degree program prior to the awarding of their undergraduate degree must complete all of their bachelor's degree requirements and graduate with their undergraduate degree within 12 months of the first day of the semester for which they were admitted to the accelerated program.
- Undergraduate students must maintain a cumulative GPA of 3.00 from the time they have applied to the program (at 75 credit hours completed in the undergraduate degree) to the time the student begins taking graduate courses (at 90 credits completed in the undergraduate degree). A student must continue to maintain a GPA of 3.00 in all coursework. **If an undergraduate student's cumulative GPA becomes less than a 3.00 between the time they are admitted to the accelerated program and the time they begin their coursework, their admission to the accelerated program may be revoked.**
- If the student's cumulative, graduate and iPOS GPAs drop below the 3.00 GPA requirement once they have started the master's portion of the accelerated program, the student will fall under the academic standing policy for graduate students. **The student will still be allowed to complete their undergraduate degree but will no longer be able to complete the graduate degree as part of the accelerated program.**

Deficiencies for students in accelerated programs:

1. interactive plan of study (iPOS) GPA less than 3.00

2. overall graduate GPA less than 3.00
3. cumulative GPA less than 3.00
4. earning a grade below a “C” in any required course\*
5. earning a grade of “I” or “W” in a required course
6. failure to complete the undergraduate degree within 12 months of the first day of the semester for which the student was admitted to the accelerated program

\*Students must repeat a course with a grade below a “C” the following semester it is offered and earn a “C” grade or better. Failure to achieve a “C” or better on the second attempt may result in a recommendation for dismissal from the program.

### **Professional experience deficiencies**

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

1. A student who fails a professional experience or internship course may be allowed to retake the professional experience or internship one time if the reasons for failure are judged to be remediable. If a student is permitted to retake the professional experience or internship and fails to pass the second time, the student will be recommended to the Graduate College for dismissal from the program.
2. In some cases, professional experience or internship issues may be nonremediable. These may include actions that cause the sponsoring school district or other organization to suspend or dismiss an intern or teacher or administrator candidate or to demand that the student teacher or intern be removed from the clinical placement or internship due to violations of the professional responsibilities standards, a professional code of conduct, district policy, or state or federal law, or engages in other inappropriate behavior. The division will determine, based on information from the supervisor, the mentor teacher, the school district, other sponsoring organization and the student, whether the student's actions warrant immediate dismissal from the program without the benefit of a period of academic probation or another attempt to pass the professional experience.
3. For students on an Arizona Alternative Certification Pathway who are terminated by the school district in which they are employed due to reasons unrelated to performance, such as reductions in force, will not be recommended for academic probation or involuntary withdrawal on that basis alone. However, if the student does not secure another full-time teaching position, the degree and certification requirements must be completed by transferring to a traditional teacher certification pathway and successfully completing the requirements of that program.

### **C. Reinstatement to good academic standing**

To be restored to good academic standing:

1. A student must maintain or improve grades to meet the academic performance requirements.
2. An initial teacher, administrator candidate or graduate student in a non-certification program must meet the expectations of any professional improvement plan related to satisfactory academic progress or professionalism while in the program.

**Special note:** A student on probation for lack of satisfactory progress in one area (e.g., academic progress or professional responsibilities) who subsequently fails to maintain good standing in the other area is recommended for dismissal. Return to good standing requires satisfactory progress in both areas during the time on probation. Sequential semesters of probation for repeated failures to maintain satisfactory progress are not considered.

## **Section II: professional responsibilities (conduct)**

### **A. satisfactory progress**

Professional work is marked by a particular responsibility to the clients served. Educators are trusted with significant power and authority over students and must demonstrate that they adhere to the standards of the profession. Therefore, in addition to academic progress requirements, students are evaluated with regard to Professional Responsibilities Standards as described in this document.

The Mary Lou Fulton Teachers College Professional Responsibilities Standards show the required expectations for all students.

- All initial teacher or administrator students are expected to meet the professionalism standards in sections A, B, C, and D at the applying level, as a minimum, throughout their course of study.
- Students in non-certification programs are expected to exhibit professional conduct by meeting all standards in sections A and B at the emerging level, as a minimum, throughout their course of study. Showing professionalism and growing and developing professionally are expected in all professional experiences; in PreK-12 school-related settings; and in university settings, including in interactions with university faculty and staff.

## **B. Unsatisfactory progress -- professional responsibilities**

Students will be informed of an allegation of a violation of or lack of compliance with the Professional Responsibilities Standards and will have an opportunity to respond. As a general rule, the college seeks to assist students to become professionals by working with the students to develop and improve professional conduct. Students accused of violating or not complying with the Professional Responsibilities Standards will attend a meeting with the division director or designee and the director of student services or those otherwise appointed to discuss allegations, and they will be informed of their status in the program after the meeting. Possible sanctions include academic probation, disqualification or dismissal from the initial teacher, administrator or graduate program.

All other university policies regarding student conduct are in addition to these requirements, and infractions of the ASU Student Code of Conduct may result in additional investigations and consequences through university procedures.

### **Notices of concern**

Students who receive a Notice of Concern (NOC) due to unsatisfactory academic or professional conduct may require a meeting with the director of student services, the division director or a designee. Failure to comply with requests related to NOCs may result in probation due to unsatisfactory progress.

## **C. Dismissal from professional experiences internship or student teaching)**

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

In the event a school district requests that a student be dismissed from an internship or residency placement for unprofessional or inappropriate behavior, the intern or teacher candidate will be required to attend a meeting with the division director or designee, the senior director of student services, and other college representatives as determined by the division director to discuss the reasons for request for dismissal from the internship or residency placement. If it is determined that the allegations of a violation of unprofessional behavior resulting in the request for dismissal from the school or district are warranted, one or all of the following actions may result. The intern or teacher candidate:

- will be dismissed from the internship or residency placement
- will receive a failing grade of "E" for the professional experience course
- will not be assigned another internship or residency placement during the same semester in which the teacher candidate was assigned a failing grade
- may not withdraw from the professional experience course\*
- must withdraw from all courses that require concurrent enrollment in a professional experience course, including any applied project

\*If a withdrawal is processed by the Office of the Registrar, the grade will be administratively changed to an "E".

If an intern or teacher candidate wishes to appeal the "E" grade, the candidate can follow the grade appeal process as outlined on the Teachers College website. The first step in the grade appeal process is to meet with the course instructor. Students have 10 business days to appeal a grade.

If a teacher candidate wishes to repeat the internship or residency and concurrent coursework during the semester following the dismissal, the teacher candidate must show evidence of how they plan to resolve the situation or circumstances which resulted in the removal from the internship or residency. The teacher or administrator candidate will

be required to meet with the division director or designee and the senior director of student services to develop a professional improvement plan outlining expectations for continued professional growth and academic development.

In the event that the teacher or administrator candidate violates the rules, policies or procedures for conduct established by the school, district, local education agency, ASU, Teachers College, or the law while on a PIP for unprofessional behavior, the teacher or administrator candidate will be dismissed from the initial teacher or administrator program. Teacher or administrator candidates who are dismissed may not petition to continue in their current academic plan but may be eligible to pursue other non-certification degree options within Teachers College (i.e., master's degree without certification) or within other colleges at ASU.

Students enrolled in the Master of Education and Arizona certification program who are dismissed from a professional experience or fail a professional experience and would like to complete the program without obtaining teacher certification (master's degree only) must submit a petition to the college for review. Petitions are reviewed on a case-by-case basis and not all students are approved to continue.

## **Special situations**

### **Intern certificate students**

Students in an Arizona Alternative Teaching Pathway program are in multiple interdependent roles:

- employees of a school or school district
- holders of a teaching intern certificate from the Arizona Department of Education
- graduate students at Arizona State University

The teaching position requires that the student holds the intern certificate. The intern certificate requires that the college certifies to the State of Arizona Department of Education that the student is enrolled in a teacher preparation program and is in good academic standing. At the completion of the first year, the intern certificate renewal requires a letter from the college certifying that the student has met the requirements set forth by the ADE. Students who are on academic probation at the end of the first year will be evaluated on a case-by-case basis to determine if a renewal or extension letter can be issued. At the completion of the second year, only students in good academic standing are eligible for an institutional recommendation (IR) to obtain a provisional teaching certificate.

A student who is ineligible to renew the intern certificate is no longer eligible to continue in the alternative pathway to teacher certification program. The student may be allowed to complete the degree and certification requirements by enrolling in the traditional track of the program. More information is available from the Office of Student Services.

**Note:** Due to the intensity of program coursework and apprentice teaching, students participating in the alternative teaching pathway are not permitted to enroll in courses outside of the prescribed plan of study.

### **Completion of student teaching and applied project**

As a part of graduate teacher certification program degree requirements, all students must complete an applied project course. The purpose of the applied project is to act as a culmination of student work throughout the program and to enhance the residency experience. As a part of this course, students begin by formulating a topic that they will be researching with a group of students throughout the entire semester, typically those in their residency placement and with their placement school's permission. A grade of a "B" or better is required to pass the course and graduate from the master's degree program.

In those cases in which a student enrolled in an applied project course must leave their placement, they will be required to also withdraw from the applied project course. This is necessary as students will no longer have preapproved access to the students needed to complete the necessary research for the project. Students dropping both courses will still need to maintain the ASU Graduate College policy of continuous enrollment, either by completing at least one credit hour of graduate-level coursework or with an approved medical/compassionate withdrawal for the semester.

**Applied project retake:** Students approved for a new residency experience retake the applied project concurrently with the new placement.

For students who successfully complete their residency but do not pass the applied project ("B" or better) or if students must complete the program without certification, they are required to complete the next available corresponding applied project course. Students must have access to a group of children in the relevant age group (preapproved by any organization they might belong to) which they must locate themselves. Students also must contact the instructor of the applied project course before the end of the first week of class to discuss their situation, including that they will not be completing their project in an ASU placement.

## Appeal process

### Academic probation

There is no appeal from the action of being placed on probation. Probation provides warning to the student of the potential for suspension or dismissal.

### Grade appeals

#### Reasons for grade appeal

A student may appeal a grade only when the student can document that one or a combination of the following has occurred:

1. The instructor erred in calculating points or acknowledging timely submission of assignments.
2. The instructor did not apply grading standards equitably; for example, there is evidence of bias due to race, age, sex, religion or national origin.
3. The instructor did not assign grades consistently with the standards and procedures for evaluation announced at the beginning of the course in the course syllabus. The instructor may amend or supplement the standards and procedures during the course by providing written or oral notice to the entire class.

#### Grade appeal procedure

To receive consideration, grade appeals must be submitted to the course instructor within 10 business days of the last date for posting final grades, as noted in the academic calendar. The academic calendar is available at <https://students.asu.edu/academic-calendar> [4].

**Step one: informal meeting with the instructor** – This step is mandatory and applies to appeal of course grades only.

1. The student must contact the instructor of the course and submit the attached grade appeal. The student must provide to the instructor any additional relevant documentation to support the appeal and reasons for disputing the grade. The narrative accompanying the grade appeal form may not exceed five double-spaced pages.
2. The student must meet with the instructor either face to face or, in the case of online classes only, virtually. If this meeting does not resolve the grievance, the student may move to step two and submit the grade appeal form to the appropriate contact in the Office of Student Services.

If the required meeting with the instructor has not taken place, the appeal will be accepted only if the student supplies evidence that the student contacted the instructor and either received no reply within five business days or was unable to schedule a meeting within 10 business days of the date of contact.

**Step two: submit grievance to Office of Student Services** – If the grievance is not resolved in step one, the student may forward the grade appeal to the executive director of academic services.

**Step three: division director reviews grade appeal** – The director of student services will review the grade appeal and may request additional information if needed. The grade appeal will be forwarded to the division director for review.

- Graduate certification program appeals will be sent to the division director of Teacher Preparation.
- Non-teacher certification graduate appeals will be sent to the division director of Educational Leadership and Innovation.

The division director will review all information and will notify the student of the outcome.

#### **Step four: appeal decision to the dean**

- Per university policy, the student may appeal the division director's decision to the dean, whose decision is final. The student must appeal within five business days of receiving the letter from the division director. The letter will contain information regarding how the appeal should be submitted.
- Only the issue appealed to the division director may be appealed; no new issues or complaints may be added.
- The dean or designee has full discretion as to whether to refer the appeal to the Student Issues Committee (also known as the college Academic Grievance Committee). Students should see <https://catalog.asu.edu/appeal> [5] for university policies on grade appeals.
- The student will be notified by mail of the outcome. The decision of the Student Issues Committee (dean's designee) is final.

**It is university policy that students filing grievances and those who are witnesses be protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.**

For more information on university grading policies, students should see <https://catalog.asu.edu/appeal> [5]. During the time of the appeal, a student may register for courses; however, if the appeal is denied and the student is withdrawn, university policies on tuition refunds will be applied. Any concerns about tuition charges should be addressed to the registrar's office.

#### **Appealing a recommendation for dismissal from a program**

The ASU Graduate College admits students to graduate study at Arizona State University. Students who fail to make satisfactory academic progress may be involuntarily withdrawn (dismissed) from their academic programs by the ASU Graduate College upon the recommendation of the college. The student has the right to appeal a recommendation for dismissal.

Steps in appeal process:

1. The student will receive notice that a recommendation for dismissal from the program is being made to the ASU Graduate College.
2. Within 10 business days of receiving the notice, the student may appeal in writing to the Mary Lou Fulton Teachers College Student Issues Committee (dean's designee). Petition for review forms are available in the Mary Lou Fulton Teachers College Office of Student Services on each campus and online at <https://education.asu.edu/mymiflc/student-forms-policies> [7]. Failure to file the form within 10 business days of the date of notification will result in an automatic denial of the appeal.

### **Other graduate policies**

#### **Continuous enrollment and re-entry for graduate programs**

Once admitted to a graduate program, the student must be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. If a plan of study must be interrupted for one semester, the student may apply to the Graduate College for a leave of absence not to exceed one semester. An application for leave status, endorsed by the division director or designee, must be approved by the Graduate College; for a doctoral student, the leave must also be endorsed by the members of the student's supervisory committee. This request must be filed and approved prior to the semester of anticipated absence. A student on leave is not required to pay fees and is not permitted to place any demands on university faculty or use any university facilities. Students may be continuously enrolled by registering for one credit hour of continuing registration; students should contact an academic advisor for more details. A student who interrupts a program without obtaining an approved leave of absence may be removed from the degree program by the Graduate College.



## Concurrent degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.

For concurrent master's degrees, concurrent master's and doctoral degrees and concurrent doctoral degrees, students must follow the Graduate College policies at <https://graduate.asu.edu/policies-procedures> [11].

## Graduation requirement

A candidate for a graduate degree must satisfactorily complete the culminating experience requirements required by the program. Information is available for each program from the Office of Student Services.

## Master's degree programs

In addition to the Graduate College policy and procedures that govern graduate programs at ASU and which are provided elsewhere in this catalog, the policies specific to each master's degree program are provided to students at the time of enrollment in the program. Students are limited to 15 credit hours per semester. Online students are limited to nine credit hours per semester. Exceptions must be approved by the division director. Students who enroll in additional hours may be administratively withdrawn.

## Doctoral programs

In addition to the Graduate College policies and procedures that govern doctoral programs at ASU and which are provided elsewhere in this catalog, the satisfactory academic progress and professional conduct policies apply. Additional information specific to a degree program may be provided when students first register for the program.

## PhD and EdD satisfactory academic progress and professional conduct policy

Students in doctoral programs may be placed on academic probation for reasons stated in the Satisfactory Academic Progress and Professional Conduct policy. These include but are not limited to:

- failure to meet the academic requirements of the Graduate College, to have a GPA of 3.00 (on a 4.00 scale) or to meet the academic requirements of the particular program as stated in the program handbook
- unsatisfactory progress as noted on annual review form by mentor or failure to meet for annual review
- failure to meet the standards of professional conduct or violations of the student conduct code which may result in academic probation, or, for egregious violations, immediate recommendation to the Graduate College for dismissal

In addition to minimum academic requirements and conduct requirements, a student must maintain progress to degree completion. A student can be recommended to the Graduate College for dismissal for failure to meet the Graduate College policies at <https://graduate.asu.edu> [9].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies.

## Student support process

The Notice of Concern is a referral process designed to support all graduate students who may be at risk of not progressing in the academic plan for their major and who may need additional support from the college.

The following outlines the steps taken in the referral process.

1. The instructor, site coordinator or other university representative discusses concerns with the student and informs the student that a Notice of Concern will be submitted to college leadership. Depending on the nature of the referral, the student may be required to attend a meeting with college leadership to offer additional support.
2. If the referral is made for a violation of the academic or professional code of conduct or unprofessionalism, the student will be required to attend a mandatory meeting to discuss the alleged violations. This meeting provides the student with an opportunity to share their side of the situation. At the meeting, a professional improvement plan agreement is developed with input from the student and college administration. Students on a PIP are placed

in probationary status in the college until requirements of the PIP are met. Some violations of professionalism or academic integrity may result in immediate dismissal from the program or placement.

3. If the referral is not for a violation of academic or professional conduct, a student support consultation meeting is conducted. This meeting provides students with resources and additional university-wide support. At the meeting, student needs are identified and a plan for success is created along with follow-up recommendations.
4. Students are required to attend a follow-up meeting to discuss their status in meeting requirements outlined in their plan. Failure to attend a required meeting or to fulfill expectations outlined in the PIP agreement may result in dismissal from the program.

## **Additional requirements**

### **Fingerprint clearance card**

Per Arizona state statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity-verified fingerprint clearance card. All students enrolling in programs leading to certification must participate in clinical experiences and student or apprentice teaching. Students participating in clinical experiences must have proof of a fingerprint clearance card on file in the Office of Professional Experiences before field placement hours begin.

**Source URL:** <https://catalog.asu.edu/policies/mlftc>

### **Links:**

[1] <https://education.asu.edu/>

[2] <https://provost.asu.edu/academic-integrity>

[3] <https://eoss.asu.edu/dos/srr/codeofconduct>

[4] <https://students.asu.edu/academic-calendar>

[5] <https://catalog.asu.edu/appeal>

[6] <https://education.asu.edu/student-life/student-services-undergraduate>

[7] <https://education.asu.edu/mymlftc/student-forms-policies>

[8] <https://students.asu.edu/drop-add>

[9] <https://graduate.asu.edu/>

[10] <https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals>

[11] <https://graduate.asu.edu/policies-procedures>

# University College policies

University College is spearheading the evolutionary next step in higher education. It seeks to end achievement disparities for learners of all backgrounds through designing personalized learning experiences, preparing learners for a future of integrated working and learning, and by supporting learners at scale using automation, analytics and intelligent systems.

## Academic integrity

University College values academic honesty in academia as the basis of shaping students who will become productive workers and contributors to society. University College is committed to supporting student success by supporting accountability. The college uses every opportunity, including academic violations, as learning opportunities for students to gain experience, resources and personal growth.

Academic dishonesty falls into five broad areas that include but are not limited to:

1. cheating on an academic evaluation or assignment
2. plagiarizing
3. academic deceit such as fabricating data or information
4. aiding academic integrity policy violations and inappropriately collaborating
5. falsifying academic records

It is important that students understand what constitutes a violation of academic integrity. Students may view full policy at <https://provost.asu.edu/academic-integrity/policy> [1].

### **Why is it important?**

Academic integrity violations have a negative impact on students, the ASU community and students' future career aspirations.

Academic dishonesty undermines a student's ability to demonstrate their academic excellence. Furthermore, academic dishonesty does not allow instructors the opportunity to develop a student's educational aptitude to prepare them for a career and diminishes the integrity of the ASU academic community.

### **Who can report academic dishonesty?**

Anyone with a good faith basis for believing that a student has engaged in academic dishonesty may report the alleged violation to the instructor or Academic Integrity Officer for the college or school in which the academic dishonesty occurred.

Make a report [2]

### **Student resources**

If students ever find themselves in a situation where they are unsure as to whether an issue could be construed as academic honesty, they should use the resources linked below. Sun Devils are champions of integrity and making the right decision.

Sun Devil integrity resources [3]

Students with questions about ASU's academic integrity policy or alleged violations should contact University College's Academic Integrity Officer Samantha Carter [4] with any questions.

## Undergraduate policies

### Academic standing

To be considered in academic good standing in University College, students must achieve a cumulative GPA of 2.00 or higher. Academic standing is determined twice annually --- in December after fall semester grades have posted, and in May after spring grades have posted. Grades earned during summer affect GPA, but are not considered for academic standing purposes until the next review period.

### Academic warning

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester (fall or spring) is placed on university academic warning.

### Academic probation

If a student's minimum cumulative GPA first falls below 2.00 in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

### What happens to a student on academic warning or academic probation?

A student on academic warning or academic probation is considered in conditional good standing and is permitted to enroll.

All University College students who are not in good standing, are required to meet with an academic advisor and complete an Academic Success Agreement. During the appointment, the advisor reviews the prior semester, discusses the student's academic standing status, possibly makes adjustments to the course schedule and helps the student explore strategies to return to good standing.

Improved performance will help a student earn either Good Standing or Continued Probation status. Students who achieve a cumulative GPA above 2.00 are considered In Good Standing. Students who achieve a semester GPA above a 2.00, but retain a cumulative ASU GPA below 2.00 are placed on Continued Probation. Students who fail to achieve a semester or cumulative GPA above 2.00 are subject to disqualification from the university.

All students who are placed on Academic Warning or Academic Probation for at least one semester, must successfully complete UNI 220 Mindset Connections as a requirement of graduation.

### Disqualification

Students who have been disqualified from ASU are not eligible to take classes at ASU during fall or spring semesters; however, enrollment in summer classes is permitted and encouraged. Students may enroll in summer classes at ASU to improve the GPA and bring the cumulative ASU GPA back into good academic standing (2.00).

Students who have had a fall or spring semester lapse in enrollment while on disqualification status will need to submit an application for readmission to ASU (<https://admission.asu.edu/undergrad/readmission> [5]) to enroll in summer classes or be considered for a future fall or spring enrollment.

### Academic advising

All students are encouraged to seek advising from their academic success specialist (academic advisor) prior to registration. Students must review the academic calendar [6] each semester for information and deadlines pertaining to enrollment including course adds, drops and withdrawals.

The ASU academic catalog is the governing source for all degree requirements. Students are expected to read the requirements for university General Studies [7], college graduation and major degree requirements. The academic success specialist will provide guidance.

**Contact advising:** [exploratory@asu.edu](mailto:exploratory@asu.edu) [8]

## **Mandatory advising**

The following students in University College must receive advising clearance prior to course registration:

- new students in all exploratory tracks
- new students in their first semester of attendance
- readmitted students in their first returning semester
- students on academic probation or continued probation
- students who have been disqualified
- students who are off track for graduation

Students are encouraged to use My ASU to check their advising status requirements each semester before attempting any registration transactions.

## **Credit/registration**

### **Credit overload petition**

A student may take 18 credit hours per semester and 7 credit hours each summer session. Prior to submitting the request for credit overload the student must do the following:

- meet with advisor
- have a legitimate academic reason for making the request
- have a written plan describing in detail how the demands of a heightened workload will be met
- complete a full semester at ASU before the overload semester
- be in good academic standing
- not be repeating a course during the overload term
- be a degree-seeking student
- submit the form at least a week prior to the start of the session
- meet the GPA requirements as outlined on the Credit Overload Petition [9] form

### **Class overrides**

Class overrides will not be considered unless there are specific extenuating circumstances (e.g., if the prerequisite has been completed or will be completed at another institution prior to the start of the class in question). Class override requests will not be considered after the drop/add period for that session (A, B, C) has ended.

The student must complete the Class Override form [10].

### **Space overrides**

Under certain circumstances, the college may approve a student to enroll in a class that has filled the number of allotted seats. Space overrides will not be considered if the room has reached maximum fire code occupancy or if other sections of the same class are available at another time. Override requests will not be considered after the drop/add period for that session (A, B, C) has ended.

The student must complete the Space Override [11] form.

### **Transfer credit and appeals**

ASU will accept transfer credit for traditional coursework a student has successfully completed at regionally accredited institutions of higher education as documented on an official transcript.

When a student transfers to ASU from another college or university, the following general standards for transfer credits apply:

- ASU accepts college-level (not remedial) courses in which the student has earned a grade of "C-" (scale is 4.00="A") or better from regionally accredited colleges and universities.
- A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college, with the exception of some special programs.
- Acceptable academic credits earned at other institutions that are based on a different unit of credit than the one prescribed by the Arizona Board of Regents are subject to conversion before being transferred to ASU. All ASU students must meet graduation requirements (university, college, major and General Studies requirements) in order to earn a bachelor's degree.
- Grades and honor points earned at other colleges and universities are considered for admission, but the ASU cumulative grade point average is based solely upon coursework taken at ASU.

### University College standards

- Requests for General Studies credit may be approved for transfer courses or for ASU omnibus classes (e.g., 294, 394, or 494 classes), which are not reviewed by ASU's General Studies committee, and thus, do not carry pre-approved General Studies designations.
- Requests for established ASU courses are discouraged; typically, established ASU courses that are not already designated as General Studies courses either do not meet the criteria, or the department has decided not to submit it for General Studies designation. Sometimes an instructor will insist that his or her class meets General Studies criteria, but if the university General Studies committee has decided otherwise, the petition will not be approved.

### Types of transfer credits NOT accepted by ASU:

- courses for which the student earned a final grade that was lower than "C-"
- credit awarded by postsecondary schools in the United States that lack candidate status or are not accredited by a regional accrediting association
- credit awarded by postsecondary schools for life experience
- credit awarded by postsecondary schools for courses taken at noncollegiate institutions (e.g., governmental agencies, corporations, industrial firms, etc.)
- credit awarded by postsecondary schools for noncredit courses, workshops and seminars offered by other postsecondary schools as part of continuing education programs

A student wishing to transfer to ASU who feels they have been unjustly denied credit for transfer courses may appeal by completing the Transfer Appeal Petition [12].

### Repeat/replace policy

Students wishing to repeat courses and possibly replace prior course grades must follow the repeat/replace policy [13] stated in the University Student Services Manual [14] regarding the number of credit hours that can be repeated and the types of courses that are eligible for a grade replacement.

All prerequisites for the course must be met with the required grades before submitting the petition to enroll in a course for the third time or more (even if registration has previously been permitted without them). Students may not repeat a course for a third time or more if they have passed the course with a "C" grade or higher. Approval to retake a course does not imply that enrollment in a class after the drop/add deadline is permitted or that the student may register for a class section that is already full.

### Pass/fail grade options

A grade of "Y" (satisfactory) contributes to a student's earned credit hours but does not affect the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted from the instructor and college offering the course.
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.

- A maximum of 12 credit hours taken for pass/fail may be counted toward graduation.

Students may not enroll under the pass/fail option in the following courses:

- first-year composition requirements
- General Studies requirements

## Late registration

In order to add, drop or swap sections of the same course after the official drop/add deadline, the course must be open and course prerequisites must be met or overrides must have been authorized and posted. If this criteria is met, the student should do the following:

- complete the enrollment change request [15] form
- include instructor's email approval, which includes course information
- submit an enrollment change request form to the department up to three business days after the late add deadline to register for a course

Requests received after the three business day deadline will not be approved unless the instructor provides confirmation that the student's grade will not be impacted.

Students should allow at least 24 hours for University College to process the request. If approved, University College will forward the request to the Registrar's office for processing.

## Withdrawals

### Course withdrawals

Requests to drop a course after the drop/add deadline are not considered unless there are extenuating circumstances beyond the student's control. In these cases, the student will need to attach an email outlining the extenuating circumstances to the Enrollment Change [15] form. Students may initiate a late withdrawal up to three business days after the deadline by emailing Samantha Carter [16]. Backdated drops will need department approval.

### Medical/compassionate withdrawals

#### What is a medical or compassionate withdrawal?

Students who experience a serious illness, injury, or other significant personal situation that prevents them from continuing classes may request a medical/compassionate withdrawal from the college of their major.

Medical/compassionate withdrawals require relevant and detailed supporting documentation for consideration. Approval is at the discretion of the college and there is no guarantee a request will be approved.

Students may view the full ASU medical/compassionate withdrawal policy at <https://students.asu.edu/forms/medical-compassionate-withdrawal-request> [17].

#### Steps for submitting a medical/compassionate withdrawal:

1. meet with an academic advisor to explore the withdrawal procedures
2. work with faculty for alternative class arrangements or incomplete grades
3. consult with a Student Financial Assistance counselor to determine financial obligation
4. review guidelines of required documentation sections below
5. submit the request [18]

### **Required documentation for medical withdrawal**

Students must obtain an official letter from a health care provider on health care provider's letterhead stationery that details:

- the circumstances or challenges of the student
- the date of onset of illness
- dates the student was under professional care
- general nature of the medical condition and why or how it prevented the student from completing the coursework or attending class
- the date of anticipated return to school
- the last date the student was able to attend class

Students making a request for some courses in a semester and not all courses must provide a statement as to why they were successful in some courses, but not others.

### **Required documentation for a compassionate withdrawal**

The official documentation must include a statement from the student explaining the circumstances or challenges they are facing. Documentation should corroborate the request either by strengthening the request or providing a timeline for events.

Example: If the request involves a death, attach a copy of the death certificate, airline itinerary and receipt, and funeral pamphlet showing dates.

### **Medical/Compassionate withdrawal for international students**

International students on an F1/J1 visa must consult with the International Students and Scholars Center to discuss the serious immigration consequences that may result from a withdrawal from ASU. Students on an F-1/J-1 visa must provide medical documentation from a U.S. licensed medical doctor, doctor of osteopathy, or licensed clinical psychologist.

### **Complete session withdrawal**

Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, beginning the first day of the fall and spring semesters, undergraduate students are required to contact the college or school of their major to facilitate the withdrawal process. Students should review the Academic Calendar [6] for complete session withdrawal deadlines.

To complete a full session withdrawal, students must complete the Complete Session Withdrawal [19] form. Note: International students must contact the International Students and Scholars Center regarding intent to seek a complete session withdrawal by sending an email to [issc@asu.edu](mailto:issc@asu.edu). Students will be notified of the status of the submission. If approval is granted, the completed session withdrawal will be forwarded to the ASU Registrar's Office for processing.

## **Degree requirements**

### **Exploratory tracks**

All first-year students who choose to become an exploratory student are required to declare an exploratory track in one of four areas:

- exploratory health and life sciences
- exploratory humanities and fine arts
- exploratory math, physical sciences, engineering and technology
- exploratory social and behavioral sciences

Each of these tracks is designed to provide students with introductory courses in a field of choice (e.g., Introduction to Psychology, Introduction to Environmental Design), General Studies education, and elective courses that reinforce student interests. Each exploratory track is composed of a three-semester major map, culminating in the declaration of a major no later than the completion of 45 credit hours.



All exploratory students are required to enroll in a major and career exploration class (UNI 150, 250, or 270) each semester the student remains designated as an exploratory student.

## Readmission/reinstatement

Students who have been disqualified from ASU may be reinstated to University College for a fall or spring semester if they complete one of the following:

1. Raise their cumulative ASU GPA to academic good standing levels (2.00) by taking ASU summer session courses.
2. Complete 12 or more transferable credit hours of ASU General Studies courses at a community college or university with no grade lower than a "C" and a GPA of 2.50 or better. Courses in which the student failed or received a "D" at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet the required 2.00 GPA to remain at ASU. Failure to do so will result in disqualification from the university. Students should meet with a University College advisor to identify their options, and develop a plan for success

Students who have been disqualified two or more times will not be reinstated until they achieve an ASU GPA of 2.00 or better by taking summer courses.

**Quick re-entry:** Students who have had up to a seven semester absence from ASU may be encouraged to apply for academic renewal as part of the reinstatement process. Students should see an advisor or review the Academic Renewal [21] of the ASU catalog for additional information.

**Readmission:** Students not eligible for Quick Re-entry must submit an application for readmission [22] for the semester for which they wish to return to ASU. This readmission will be contingent on completing the requirements stated above.

**Source URL:** <https://catalog.asu.edu/policies/uc>

### Links:

[1] <https://provost.asu.edu/academic-integrity/policy>

[2] [https://asuacademicaffairs-advocate.symplicity.com/public\\_report/index.php/pid505553?rep\\_type=1000](https://asuacademicaffairs-advocate.symplicity.com/public_report/index.php/pid505553?rep_type=1000)

[3] <https://provost.asu.edu/academic-integrity/resources/students>

[4] <mailto:Samantha.Carter.1@asu.edu>

[5] <https://admission.asu.edu/undergrad/readmission>

[6] <https://students.asu.edu/academic-calendar>

[7] [https://catalog.asu.edu/ug\\_gsr](https://catalog.asu.edu/ug_gsr)

[8] <mailto:exploratory@asu.edu>

[9] <https://powerforms.docusign.net/883cf927-fe5d-4bb6-9dc6-af612115bb3e?env=na2&acct=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b&accountId=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b>

[10] <https://powerforms.docusign.net/5efbeeec-05ad-4448-89e2-52d6522432df?env=na2&acct=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b&accountId=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b>

[11] <https://powerforms.docusign.net/4bebd8fe-2fad-411d-b5d9-a209e049c3ca?env=na2&acct=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b&accountId=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b>

[12] <https://powerforms.docusign.net/0f21da66-e4ef-4d5d-8610-c70fe2dcb9a2?env=na2&acct=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b&accountId=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b>

[13] <https://www.asu.edu/aad/manuals/ssm/ssm203-06.html>

[14] <https://www.asu.edu/aad/manuals/ssm/index.html>

[15] <https://powerforms.docusign.net/b6db0c47-22b2-4f7a-83d0-85bd4c1d5c95?env=na2&acct=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b&accountId=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b>

[16] <mailto:scarte24@asu.edu>

[17] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>

[18] <https://powerforms.docusign.net/7a2c5eea-094d-404f-9c51-0d33797b3e41?env=na2&acct=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b&accountId=f0e30210-b43f-4eb7-b8ac-1980b8b55b3b>

[19] [https://students.asu.edu/sites/default/files/completesessionwithdrawal\\_nov5\\_2020.pdf](https://students.asu.edu/sites/default/files/completesessionwithdrawal_nov5_2020.pdf)

[20] <mailto:issc@asu.edu>

[21] [https://catalog.asu.edu/retention\\_standing#reinstatement](https://catalog.asu.edu/retention_standing#reinstatement)

[22] <https://admission.asu.edu/undergrad/readmission>

## Graduate Programs

### Graduate Degrees and Certificates (Program Descriptions and Requirements)

#### Business, W. P. Carey School of

Accountancy, MAcc (BAACCMACC)  
Business Administration (Accountancy), PHD (BAACCTPHD)  
Business Administration (Agribusiness), PHD (BAAGRIPHD)  
Business Administration (Business Analytics), MBA (BABUSANMBA)  
Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)  
Business Administration (Finance), PHD (BAFINANPHD)  
Business Administration (Information Systems Management), MBA (BAISMMBA)  
Business Administration (Management), PHD (BAMGMTPHD)  
Business Administration (Marketing), PHD (BAMARKPHD)  
Business Administration (Supply Chain Management), PHD (BASCMPHD)  
Business Analytics, MS (BABUSANMS)  
Economics, PHD (BAECONPHD)  
Finance, MS (BAFINMS)  
Global Financial Management, DBA (BAGFMDBA)  
Global Logistics, MS (BAGLSMS)  
Information Systems Management, MS (BAINFOMS)  
Innovation and Venture Development, MS (HIIVDMS)  
Management, MS (BACMRMS)  
Management, MS (BAMCCMS)  
Real Estate (Certificate), Certificate (BAREAGRCT)  
Real Estate Development, MREDev (ARREMREDEV)  
Supply Chain Management, MS (BASCMMMS)  
Supply Chain Management (certificate), Certificate (BASCMCERT)  
Supply Chain Management and Engineering, MS (BASCMEMS)  
Taxation, MTax (BATAMTAX)  
W. P. Carey MBA, MBA (BACORPMBA)  
W. P. Carey MBA, MBA (BAEVEAMBA)  
W. P. Carey MBA, MBA (BAEVENMBA)  
W. P. Carey MBA, MBA (BAEXECMBA)  
W. P. Carey MBA, MBA (BAFULLMBA)  
W. P. Carey MBA, MBA (BAONLINMBA)  
W. P. Carey MBA, MBA (BASHANGMBA)

#### Design and the Arts, Herberger Institute for

Architecture, MArch (ARARCMARCH)  
Architecture (Energy Performance and Climate Responsive Architecture), MS (AREENERGYMS)  
Art, MFA (HIARTMFA)  
Art (Art Education), MA (FAARTEDMA)  
Art (Art History), MA (FAARTHISMA)  
Art (Digital Technology), MFA (FADIGITMFA)  
Composition, MM (FAMCOMPMM)  
Composition (Interdisciplinary Digital Media), MM (FADIGITMM)  
Creative Enterprise and Cultural Leadership, MA (HICECLMA)  
Dance, MFA (FADANCEMFA)  
Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)  
Dance Teaching Artist Praxis (Certificate), Certificate (HIDTAPGRCT)  
Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)  
Design (Industrial Design), MSD (ARINDDEMMSD)

Design (Interior Design), MSD (ARINTDEMSED)  
 Design (Visual Communication Design), MSD (ARVCDMSD)  
 Design, Environment and the Arts, PHD (HIDEAPHD)  
 Design, Environment and the Arts (Design), PHD (HIDEADSPHD)  
 Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)  
 Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)  
 Design, Environment and the Arts (History, Theory, and Criticism), PHD (HIDEAHTPHD)  
 Digital Culture, MA (HIDGCMA)  
 Digital Culture, MS (HIDGCMS)  
 Industrial Design, MID (HIINDMID)  
 Innovation and Venture Development, MS (HIIVDMS)  
 Interior Architecture, MIA (HIIAMIA)  
 Landscape Architecture, MLA (ARLDEMLA)  
 Media Arts and Sciences, PHD (FAMASPHD)  
 Music (Conducting), DMA (FACONDDMA)  
 Music (Ethnomusicology), MA (FAETHNMA)  
 Music (Interdisciplinary Digital Media), DMA (FAINTDDMA)  
 Music (Music Composition), DMA (FACOMPDMA)  
 Music (Music Learning and Teaching), PHD (FAMUSEDPHD)  
 Music (Musicology), MA (FAMHISTMA)  
 Music (Musicology), PHD (HIMUSMPHD)  
 Music (Performance), DMA (FAPERFDMA)  
 Music Entrepreneurship (Certificate), Certificate (HIMERTGRCT)  
 Music Learning and Teaching, MM (FAMUSEDMM)  
 Music Theory Pedagogy (Certificate), Certificate (HIMTPGRCT)  
 Music Therapy, MM (FAMTHERMM)  
 Performance (Collaborative Piano), MM (FACPIANOMM)  
 Performance (Conducting), MM (HIPERCOMM)  
 Performance (Performance Pedagogy), MM (FAPPEDMM)  
 Performance (Performance), MM (FAPERF3MM)  
 Socially Engaged Practice in Design and the Arts (Certificate), Certificate (HISEPGRCT)  
 Theatre, MA (FATHEAMA)  
 Theatre (Arts Entrepreneurship and Management), MFA (HITHEAEMFA)  
 Theatre (Directing), MFA (FADIRMFA)  
 Theatre (Dramatic Writing), MFA (FADRWRMFA)  
 Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)  
 Theatre (Performance Design), MFA (FAPERDMFA)  
 Theatre (Performance), MFA (FAPERFMFA)  
 Theatre (Theatre For Youth), MFA (FAYOUTHMFA)  
 Theatre (Theatre For Youth), PHD (FAYOUTHPHD)  
 Theatre (Theatre/Performance Americas), PHD (FAPERAMPHD)  
 Urban Design, MUD (ARMUDMUD)  
 Visual Communication Design, MVCD (HIVCDMVCD)  
 Voice, Music Theatre, Opera, MM (FAMUTPOMM)

Engineering, Ira A. Fulton Schools of  
 Aerospace Engineering, MS (ESAEROSPMS)  
 Aerospace Engineering, PHD (ESAERSPPHD)  
 Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAEPEETMA)  
 Biological Design, PHD (GCBDSPHD)  
 Biomedical Engineering, MS (ESBIOENMS)

Biomedical Engineering, PHD (ESBIOENPHD)  
 Chemical Engineering, MS (ESCHEMEMS)  
 Chemical Engineering, PHD (ESCHEMEPHD)  
 Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)  
 Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)  
 Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)  
 Computer Engineering (Computer Systems), MS (ESCENCMS)  
 Computer Engineering (Computer Systems), PHD (ESCENCPHD)  
 Computer Engineering (Electrical Engineering), MS (ESCENEMS)  
 Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)  
 Computer Science, MCS (ESCOMSCMCS)  
 Computer Science, MS (ESCOMSCMS)  
 Computer Science, PHD (ESCOMSCPHD)  
 Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)  
 Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)  
 Computer Science (Big Data Systems), MCS (ESCSEBDMCS)  
 Computer Science (Big Data Systems), MS (ESCSEBDMS)  
 Computer Science (Biomedical Informatics), MS (ESCSBIOIMS)  
 Computer Science (Cybersecurity), MCS (ESCSEIMCS)  
 Computer Science (Cybersecurity), MS (ESCSEIAMS)  
 Computer Science (Cybersecurity), PHD (ESCSEIAPHD)  
 Construction Engineering, MSE (ESCONEMSE)  
 Construction Management, PHD (ESCONPHD)  
 Construction Management and Technology, MS (ESCONSTMS)  
 Data Science, Analytics and Engineering, PHD (ESDSEPHD)  
 Electrical Engineering, MS (ESEEMS)  
 Electrical Engineering, MSE (ESEEMSE)  
 Electrical Engineering, PHD (ESEEPHD)  
 Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)  
 Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)  
 Engineering, MEng (ESENGRMENG)  
 Engineering, MS (TSEGRMS)  
 Engineering Education Systems and Design, PHD (ESEESDPHD)  
 Engineering Science (Software Engineering), MSE (ESSFEMSE)  
 Environmental and Resource Management, MS (ESERMMS)  
 Environmental and Resource Management (Water Management), MS (ESERMWTMS)  
 Environmental Engineering, MS (ESEVEMS)  
 Graphic Information Technology, MS (ESGITMS)  
 Human Systems Engineering, MS (ECAPSYCHMS)  
 Human Systems Engineering, PHD (TSSMACSPHD)  
 Human Systems Engineering (Aviation Human Factors), MS (ESHSEAHFMS)  
 Human Systems Engineering (Health Systems), MS (ESHSEHSMS)  
 Human Systems Engineering (Intelligent Systems), MS (ESHSEISMS)  
 Human Systems Engineering (User Experience Research), MS (ESHSEUERMS)  
 Industrial Engineering, MS (ESINDENMS)  
 Industrial Engineering, PHD (ESINDENPHD)  
 Information Technology, MS (TSIFTMS)  
 Innovation and Venture Development, MS (HIIVDMS)  
 Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)  
 Manufacturing Engineering, MS (TSMEGRMS)

Materials Science and Engineering, MS (ESMATEMS)  
 Materials Science and Engineering, PHD (ESENMATPHD)  
 Mechanical Engineering, MS (ESMEMS)  
 Mechanical Engineering, PHD (ESMEPHD)  
 Modern Energy Production and Sustainable Use, MS (ESMEPSUMS)  
 Molecular, Cellular, Tissue, and Biomaterials Engineering (Certificate), Certificate (ESMCTBGRCT)  
 Neural Engineering (Certificate), Certificate (ESNENGRCT)  
 Nuclear Power Generation (certificate), Certificate (ESNPGRCT)  
 Robotics and Autonomous Systems (Artificial Intelligence), MS (ESRASAIMS)  
 Robotics and Autonomous Systems (Biomedical Engineering), MS (ESRASBEMS)  
 Robotics and Autonomous Systems (Electrical Engineering), MS (ESRASEEMS)  
 Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS (ESRASMAEMS)  
 Robotics and Autonomous Systems (Systems Engineering), MS (ESRASSEMS)  
 Semiconductor Processing (Certificate), Certificate (ESSCPRGRCT)  
 Sensor Signal and Information Processing (Certificate), Certificate (ESSSIPGRCT)  
 Software Engineering, MS (TSSERMS)  
 Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)  
 Sustainable Engineering, MSE (ESSUEMSE)  
 Systems Engineering, PHD (ESSYSPHD)  
 Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)  
 Technology (Environmental Technology Management), MSTech (TSMGMSTECH)  
 Technology (Graphic Information Technology), MSTech (TSGIMSTECH)  
 Technology (Management of Technology), MSTech (TSMRMSTECH)  
 User Experience, MS (ESUSEXMS)

Global Futures, College of

Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)  
 Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)  
 Biomimicry, MS (LABMYMS)  
 Biomimicry (Certificate), Certificate (LABMYGRCT)  
 Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)  
 Energy and Sustainability (certificate), Certificate (SUERGSGRCT)  
 Environmental and Sustainability Economics (Certificate), Certificate (SUESECGRCT)  
 Food Policy and Sustainability Leadership (certificate), Certificate (SUFPSLGRCT)  
 Global Development and Innovation (Certificate), Certificate (FIGDIGRCT)  
 Global Sustainability Science, MS (SUGSUSMS)  
 Global Technology and Development, MS (LSGTDMS)  
 Global Technology and Development (Applied International Development), MS (FIGTDAIDMS)  
 Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)  
 Innovation in Global Development, PHD (FIIGDPHD)  
 Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)  
 Public Interest Technology, MS (FIPITCHMS)  
 Responsible Innovation in Science, Engineering and Society (certificate), Certificate (GCRSESGRCT)  
 Science and Technology Policy, MSTP (LAHSDPSM)  
 Sustainability, MA (SUSUSTMA)  
 Sustainability, MS (SUSUSTMS)  
 Sustainability, PHD (SUSUSTPHD)  
 Sustainability (Certificate), Certificate (SUSUSGRCT)  
 Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD)  
 Sustainability Leadership, EMSL (SUEMSLEMSL)  
 Sustainability Leadership, MSL (SUSUSLMSL)

Sustainability Solutions, MSUS (SUSUSOMSUS)  
 Sustainable Energy, PHD (SUSUEPHD)  
 Sustainable Food Systems, MS (SUSUSFSMS)

Global Management, Thunderbird School of  
 Applied Leadership and Management, MALM (TBALMMALM)  
 Global Affairs (Certificate), Certificate (TBGAFGRCT)  
 Global Affairs and Management, MA (TBGAMMA)  
 Global Affairs and Management (Executive), MA (TBGAMEMA)  
 Global Development (Certificate), Certificate (TBGDVGRCT)  
 Global Finance (Certificate), Certificate (TBGFINGRCT)  
 Global Leadership and Strategy, MGLS (TBGLSMGLS)  
 Global Leadership and Strategy, MGLS (TBGLSXMGLS)  
 Global Management, MGM (TBTGMMGM)  
 Global Management, MGM (TBTGMXMGM)  
 Global Management (Certificate), Certificate (TBTGMGRCT)  
 Global Management (Creative Industries and Design Thinking), MGM (TBGMCIDMGM)  
 Global Management (Data Science), MGM (TBGMDSCMGM)  
 Global Management (Digital Audience Strategy), MGM (TBGMDASMGM)  
 Global Management (Global Affairs), MGM (TBGMGAMGM)  
 Global Management (Global Business), MGM (TBGMGBMGM)  
 Global Management (Global Development and Innovation), MGM (TBGMGDIMGM)  
 Global Management (Global Digital Transformation), MGM (TBGMGDTMGM)  
 Global Management (Global Entrepreneurship), MGM (TBGMGEMGM)  
 Global Management (Global Health Care Delivery), MGM (TBGMGHDMGM)  
 Global Management (Global Legal Studies), MGM (TBGMGLSMGM)  
 Global Management (Integrated Health Care), MGM (TBGMIHCMGM)  
 Global Management (Nonprofit Leadership and Management ), MGM (TBGMNLMGM)  
 Global Management (Public Administration), MGM (TBGMPAMGM)  
 Global Management (Public Policy), MGM (TBGMPPMGM)  
 Global Management (Sustainability Solutions), MGM (TBGMSSMGM)  
 Global Management (Sustainable Tourism), MGM (TBGMSTMGM)  
 Global Marketing (Certificate), Certificate (TBGMKTGRCT)  
 Global Trade and Commerce (Certificate), Certificate (TBGTCMGRCT)

Health Solutions, College of  
 Audiology, AuD (LAAUDAUDD)  
 Auditory and Language Neuroscience, MS (NHALNEUMS)  
 Behavioral Health, DBH (LSBEVHEDBH)  
 Behavioral Health (Clinical), DBH (NHBVHCDBH)  
 Behavioral Health (Management), DBH (NHBVHMDBH)  
 Biomedical Diagnostics, MS (NHBMDMS)  
 Biomedical Informatics, MS (ESBIOINFMS)  
 Biomedical Informatics, PHD (ESBMIPHD)  
 Clinical Exercise Physiology, MS (NHCEPMS)  
 Communication Disorders, MS (LACOMDISMS)  
 Communication Disorders in Multilingual/Multicultural Populations (certificate), Certificate (NHCDMPGRCT)  
 Exercise and Nutritional Sciences, PHD (ECNUTRIPHD)  
 Exercise and Wellness, MS (ECEXERMS)  
 Health Informatics, MAS (GCHLHINMAS)  
 Integrated Behavioral Health - Clinical (Certificate), Certificate (NHIBHCGRCT)  
 Integrated Behavioral Health - Management (Certificate), Certificate (NHIBHMGRCT)

Integrated Health Care, MIHC (NHIHCMIHC)  
 International Health Management, MIHM (NHIHMIHM)  
 Medical Nutrition, MS (NHMNTRMS)  
 Nutritional Science, MS (ECHNUTMS)  
 Nutritional Science (Dietetics), MS (ECNTRDMS)  
 Obesity Prevention and Management, MS (NHOBSSMS)  
 Population Health, PHD (NHPOPHLPHD)  
 Science of Health Care Delivery, MS (NHSHCDMS)  
 Science of Health Care Delivery (Certificate), Certificate (NHHCDGRCT)  
 Speech and Hearing Science, PHD (LAHEARPHD)  
 Speech and Hearing Science (Auditory and Language Neuroscience), PHD (NHSHSALPHD)  
 Speech and Hearing Science (Translational Genetics of Communication Abilities), PHD (NHSSTGPHD)  
 Strength and Conditioning, MS (NHSTRCDMS)

Integrative Sciences and Arts, College of  
 Applied Biological Sciences, MS (TSAPBIOSMS)  
 Counseling, MC (EDCOUNMC)  
 Counseling Psychology, PHD (EDCPSYPHD)  
 Integrative Social Science, MS (LSISSMS)  
 Liberal Studies, MLSt (LAMLSMLS)  
 Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)  
 Narrative Studies, MA (LSNRSMA)  
 Organizational Leadership, MS (LSORGLMS)  
 Technical Communication, MS (LSTCCMMS)  
 Technical Communication (certificate), Certificate (LSTECGRCT)  
 User Experience, MS (ESUSEXMS)

Interdisciplinary Arts and Sciences, New College of  
 Biological Data Science, MS (ASBDSMS)  
 Communication Studies, MA (ASCOMSTMA)  
 English, MA (ASENGLMA)  
 Forensic Psychology, MS (ASFPSYMS)  
 Forensic Science, PSM (ASFRSCIPSM)  
 Interdisciplinary Studies, MA (ASINTERMA)  
 Law and Psychology, PHD (ASLPSYPHD)  
 Psychology, MS (ASPGSMS)  
 Social Justice and Human Rights, MA (ASJHRMA)  
 Social Technologies, MA (ASSTCMA)

Journalism and Mass Communication, Walter Cronkite School of  
 Business Journalism, MS (CSBSJMS)  
 Digital Audience Strategy, MS (CSDASMS)  
 Digital Audiences (certificate), Certificate (CSDASGRCT)  
 Investigative Journalism, MA (CSINVJOURMA)  
 Journalism and Mass Communication, PHD (CSJMCPhD)  
 Mass Communication, MMC (CSMCOMMMC)  
 Sports Journalism, MA (CSSPJMA)

Law, Sandra Day O'Connor College of  
 Biotechnology and Genomics, LL.M. (LWGENOMLLM)  
 Health Law and Policy (Certificate), Certificate (LWHLPGRCT)  
 Human Resources and Employment Law, MHREL (LWHREMHREL)  
 Indian Law (certificate), Certificate (LWLAWGRCI)  
 Juris Doctor of Law, JD (LWJDJD)



Law and Sustainability (Certificate), Certificate (LWLSUSGRCT)  
 Law, Science, & Technology (certificate), Certificate (LWLAWSTCE)  
 Laws, LL.M. (LAWLAWSLLM)  
 Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)  
 Legal Studies, MLS (LWLGSMLEGS)  
 Legal Studies (Patent Practice), MLS (LWLPPMLEGS)  
 Sports Law and Business, MSLB (LWSLBMSLB)  
 Trial Advocacy (Certificate), Certificate (LWTAGRCT)  
 Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)

Liberal Arts and Sciences, The College of

Actuarial Science, MS (LAACTMS)  
 Addiction and Substance-Use Related Disorders (certificate), Certificate (LAASRDGRCT)  
 African Studies (certificate), Certificate (LAAFRICACE)  
 American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)  
 American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)  
 American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)  
 American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)  
 American Studies, MA (LAAMSTMA)  
 Animal Behavior, PHD (LAANBPHD)  
 Anthropology, PHD (LAANTHRPHD)  
 Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)  
 Anthropology (Urbanism), PHD (LAURBPHD)  
 Applied Behavior Analysis, MS (LAAPBAMS)  
 Applied Linguistics, PHD (EDAPLPHD)  
 Applied Mathematics, PHD (LAAPMPHD)  
 Applied Mathematics for the Life & Social Sciences, PHD (LAAMLPHD)  
 Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)  
 Applied Prevention Science (Certificate), Certificate (LAAPSGRCT)  
 Asian Languages and Civilizations (Chinese), MA (LACHINAMA)  
 Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)  
 Asian Studies (certificate), Certificate (LAASIANCE)  
 Astrophysics, PHD (LAASTPHPHD)  
 Astrophysics and Astronomy, MS (LAASTPHMS)  
 Atmospheric Science (certificate), Certificate (LAATMOSCE)  
 Biochemistry, MS (LABIOCHMS)  
 Biochemistry, PHD (LABIOCHPHD)  
 Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)  
 Biology, MS (LABIOMS)  
 Biology, PHD (LABIOPHD)  
 Biology (Biology and Society), MS (LABIOSMS)  
 Biology (Biology and Society), PHD (LABIOSPHD)  
 Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)  
 Chemistry, MS (LACHEMMS)  
 Chemistry, PHD (LACHEMPHD)  
 Classical Liberal Education and Leadership, MA (LACLEDLMA)  
 Communication, MA (LACOMMOMA)  
 Communication, PHD (LACOMMOPHD)  
 Comparative Culture and Language, PHD (LAILCPHD)  
 Computational Life Sciences (Certificate), Certificate (LACMLSGRCT)  
 Computer-Assisted Language Learning (Certificate), Certificate (LACALLGRCT)

Creative Writing, MFA (LACWRITMFA)  
 Critical Theory (certificate), Certificate (LACRTGRCT)  
 Digital Humanities (Certificate), Certificate (LACDHGRCT)  
 Disability Studies (Certificate), Certificate (LADISGRCT)  
 East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)  
 English, MA (LAENGLMA)  
 English (English Education), PHD (LAENEDPHD)  
 English (Literature), PHD (LAENLITPHD)  
 English (Writing, Rhetorics, and Literacies), PHD (LAENRHTPHD)  
 English Education, MA (LAENEDMA)  
 Environmental Communication and Leadership (Certificate), Certificate (LAECLGRCT)  
 Environmental Life Sciences, PHD (LAELSPHD)  
 Environmental Social Science, PHD (LAESSPHD)  
 Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)  
 Environmental Social Science (Urbanism), PHD (LAESSURPHD)  
 Evolutionary Biology, PHD (LAEVOPHD)  
 Evolutionary Medicine (Certificate), Certificate (LAEVMDGRCT)  
 Exploration Systems Design, MS (LAESDMS)  
 Exploration Systems Design, PHD (LAESDPHD)  
 Exploration Systems Design (Instrumentation), MS (LAESDIMS)  
 Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)  
 Exploration Systems Design (Sensor Networks), MS (LAESDSNMS)  
 Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)  
 Exploration Systems Design (Systems Engineering), MS (LAESDSEMS)  
 Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)  
 Family and Human Development, MS (LAFAMHDMS)  
 Family and Human Development, PHD (LAFAMSCPHD)  
 Film and Media Studies, MAS (LAAMPCMAS)  
 French (Comparative Literature), MA (LAFRECLMA)  
 French (Linguistics), MA (LAFRELINMA)  
 French (Literature), MA (LAFRELITMA)  
 Gender Studies, PHD (LAGSTPHD)  
 Gender Studies (certificate), Certificate (LAWSTGRCT)  
 Geographic Education, MAS (LAGEOEDMAS)  
 Geographic Information Science, PHD (LAGISPHD)  
 Geographic Information Science (certificate), Certificate (LAGEOGISCE)  
 Geographic Information Systems, MAS (LAGISMAS)  
 Geography, MA (LAGEOGMA)  
 Geography, PHD (LAGEOGPHD)  
 Geological Sciences, MS (LAGEOSCMS)  
 Geological Sciences, PHD (LAGEOSCPHD)  
 German, MA (LAGERMMA)  
 Global Health, MA (LASSHMA)  
 Global Health, MS (LASSHMS)  
 Global Health, PHD (LASSHPHD)  
 Global Health (Complex Adaptive Systems Science), PHD (LASSHCPHD)  
 Global Health (Culture and Health), PHD (LASSHCHPHD)  
 Global Health (Evolutionary Global Health Sciences), PHD (LASSHEPHD)  
 Global Health (Urbanism), PHD (LASSHURPHD)  
 Global Security, MA (LAGSCMA)

Global Security (Cybersecurity), MA (LAGSCSECMA)  
 History, MA (LAHISTMA)  
 History, PHD (LAHISTPHD)  
 History and Philosophy of Science, PHD (LAHPSCIPHD)  
 Immigration Studies (certificate), Certificate (LAIMMSTUCE)  
 Indigenous Education, MA (LAIEDMA)  
 Infant Family Practice, MAS (LACDEMAM)  
 International Affairs and Leadership, MA (LAIALMA)  
 Justice Studies, MS (LAJUSSTMS)  
 Justice Studies, PHD (LAJUSSTPHD)  
 Language Teaching, MA (LALANTCHMA)  
 Linguistics (certificate), Certificate (LALINGUICE)  
 Linguistics and Applied Linguistics, MA (LALINMA)  
 Linguistics and Applied Linguistics, PHD (LALINPHD)  
 Marriage and Family Therapy, MAS (LAMFTMAS)  
 Mathematics, MA (LAMATHMA)  
 Mathematics, PHD (LAMATHPHD)  
 Mathematics Education, PHD (LAMTEPHD)  
 Medieval Studies (certificate), Certificate (LAMEDSTCE)  
 Microbiology, MS (LAMICROMS)  
 Microbiology, PHD (LAMICROPHD)  
 Molecular and Cellular Biology, MS (LACELLMS)  
 Molecular and Cellular Biology, PHD (LACELLPHD)  
 Museum Studies, MA (LAMUSSTMA)  
 Museum Studies (certificate), Certificate (LAMUSEUMCE)  
 Nanoscience, PSM (LANANPSM)  
 Natural Science (Geological Sciences), MNS (LANATSCIMN)  
 Natural Science (Physics), MNS (LAPHYSMNS)  
 Neuroscience, PHD (GCBMENPHD)  
 Philosophy, MA (LAPHILMA)  
 Philosophy, PHD (LAPHILPHD)  
 Philosophy (History and Philosophy of Science), MA (LAHPSMA)  
 Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)  
 Physics, MS (LAPHYSIMS)  
 Physics, PHD (LAPHYSIPHD)  
 Plant Biology and Conservation, MS (LAPLBIOMS)  
 Political Psychology, MA (LAPPSMA)  
 Political Science, MA (LAPOLSCMA)  
 Political Science, PHD (LAPOLSCPHD)  
 Psychology, PHD (LAPSYCHPHD)  
 Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)  
 Religious Studies, MA (LARELIGMA)  
 Religious Studies, PHD (LARELIGPHD)  
 Renaissance Studies (certificate), Certificate (LARENAISCE)  
 Scholarly Publishing (certificate), Certificate (LASCHPUBCE)  
 Scientific Teaching in Higher Education (certificate), Certificate (LASTHEGRCT)  
 Sexuality Studies (Certificate), Certificate (LASXSGRCT)  
 Social and Cultural Pedagogy, MA (LASCPMA)  
 Social Science Research Methods (Certificate), Certificate (LASSRMGRCT)  
 Social Transformation Certificate, Certificate (LASOTGRCT)

Socio-Economic Justice (certificate), Certificate (LAECJUGRCT)  
 Sociology, MA (LASOCMA)  
 Sociology, PHD (LASOPHD)  
 Spanish, MA (LASPANMA)  
 Spanish, PHD (LASPANPHD)  
 Spanish Language Pedagogy (certificate), Certificate (LASPAPGRCT)  
 Spanish Linguistics, PHD (LASPALIPHD)  
 Statistics, MS (GCSTATMS)  
 Statistics, PHD (LASTPPHD)  
 Statistics (certificate), Certificate (GCSTATCE)  
 Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)  
 Transborder Studies, MAS (LATCLMAS)  
 Transborder Studies, PHD (LATCLPHD)  
 Transdisciplinary Transportation Studies (certificate), Certificate (GCTRANSCE)  
 Translation Studies (Certificate), Certificate (LALTSGRCT)  
 Urban and Environmental Planning, MUEP (ARURBMUEP)  
 Urban Planning, PHD (ARPUPPHD)  
 Women and Gender Studies, MA (LAWSTMA)  
 World War II Studies, MA (LAWWSMA)

Nursing and Health Innovation, Edson College of

Acute Care Pediatric Nurse Practitioner (certificate), Certificate (NUACPNGRCT)  
 Adult Gerontology Nurse Practitioner (Certificate), Certificate (NUAGNPGRCT)  
 Advanced Nursing Practice, DNP (NUANPDNP)  
 Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP (NUANPACDNP)  
 Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)  
 Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)  
 Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)  
 Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)  
 Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNDNP)  
 Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)  
 Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP (NUANPWHDNP)

Aging, MS (LAALDMS)  
 Clinical Research Management, MS (NUCRMMS)  
 Clinical Research Management (certificate), Certificate (NUHCRGRCC)  
 Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)  
 Emergency Nurse Practitioner (Certificate), Certificate (NUEMNPGRCT)  
 Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)  
 Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)  
 Food Safety and Protection (certificate), Certificate (NUFDSPGRCT)  
 Health Care Innovation, Certificate (NUHCINGRCT)  
 Health Care Simulation, MS (NUHCSMS)  
 Healthcare Innovation, MHI (NUHCINNMHI)  
 Innovation Leadership, Certificate (NUINLSGRCT)  
 International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)  
 Interprofessional Healthy Aging (certificate), Certificate (NUGNCERT)  
 Nurse Education in Academic and Practice Settings (certificate), Certificate (NUNURSEDCE)  
 Nursing, MS (NUNURDTMS)  
 Nursing (Entry to Nursing Practice), MS (NUNRENPRMS)  
 Nursing (Nursing Education), MS (NUNURSEDMS)  
 Nursing and Healthcare Innovation, PHD (NUNHIPHD)

Pediatric Nurse Practitioner (Certificate), Certificate (NUPDNPGRCT)  
 Regulatory Science, MS (NURSHSMS)  
 Regulatory Science (Food Safety), MS (NURGSCFSMS)  
 Women's Health Nurse Practitioner (Certificate), Certificate (NUWHNPGRCT)  
 Public Service and Community Solutions, Watts College of  
 Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)  
 Community Development Practice, MPS (PPCMDVPMPS)  
 Community Resources and Development, MS (PPRECDTMS)  
 Community Resources and Development, PHD (PPCRDPHD)  
 Community Resources and Development (Nonprofits and NGOs), MS (PPCRDNPMS)  
 Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)  
 Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)  
 Community Resources and Development (Tourism), MS (PPCRDTMMS)  
 Corrections Management (Certificate), Certificate (PPCMGGRCT)  
 Crime Analysis, MS (PPCRIMANMS)  
 Crime Analysis (Certificate), Certificate (PPCRMAGRCT)  
 Criminal Justice, MA (PPCRIMJMA)  
 Criminal Sentencing and Sentencing Advocacy (Certificate), Certificate (PPCSAGRCT)  
 Criminology and Criminal Justice, MS (PPCRJMS)  
 Criminology and Criminal Justice, PHD (PPCRJPHD)  
 Domestic Violence and Evidence-Based Practice (Certificate), Certificate (PPDVEPGRCT)  
 Emergency Management (Certificate), Certificate (PPEMEGRCT)  
 Emergency Management and Homeland Security, MA (PPEMHSMA)  
 Emergency Management and Homeland Security (Biosecurity and Threat Management), MA (PPEMHSBTMA)  
 Emergency Management and Homeland Security (Community Resilience), MA (PPEMHSCRMA)  
 Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA (PPEHSCPMMA)  
 Emergency Management and Homeland Security (Emergency Management), MA (PPEMHSEMMA)  
 Emergency Management and Homeland Security (Homeland Security), MA (PPEMHSHSMA)  
 Homeland Security (certificate), Certificate (PPHLSGRCT)  
 Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)  
 Law Enforcement Administration (Certificate), Certificate (PPLEAGRCT)  
 Nonprofit Leadership and Management, MNLM (PPNPSMNS)  
 Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)  
 Participatory Governance (certificate), Certificate (PPPGOGRCT)  
 Policy Advocacy, MA (PPPLADVMA)  
 Policy Informatics (Certificate), Certificate (PPPOIGRCT)  
 Program Evaluation (Certificate), Certificate (PPPGEVGRCT)  
 Program Evaluation and Data Analytics, MS (PPPGEMS)  
 Public Administration, EMPA (PPPUAEMPA)  
 Public Administration, MPA (PPPADTMPA)  
 Public Administration (Certificate), Certificate (PPPUAGRCT)  
 Public Administration (Emergency Management), MPA (PPPAFEMPA)  
 Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)  
 Public Administration (Public Finance), MPA (PPPAFPMPA)  
 Public Administration (Urban Management), MPA (PPPAFUMPA)  
 Public Administration (Urbanism), PHD (PPPAURBPHD)  
 Public Administration and Policy, PHD (PPPUBADPHD)  
 Public Policy, MPP (PPPUBPMPP)  
 Public Policy (Certificate), Certificate (PPPUPGRCT)  
 Public Policy (Environmental Policy), MPP (PPPUPEMPP)

Public Policy (Policy Informatics), MPP (PPPUPPIMPP)  
 Public Policy (Science and Technology Policy), MPP (PPPUPSTMPP)  
 Public Policy (Urban Policy), MPP (PPPUPUPMPP)  
 Public Safety Leadership & Administration (Emergency Medical Services-Mobile Integrated Healthcare), MPSLA (PPPSEMMPSL)  
 Public Safety Leadership and Administration, MPSLA (PPPSLAMP SL)  
 Public Safety Leadership and Administration (Executive Fire Administration), MPSLA (PPPSEFMPSL)  
 Public Safety Leadership and Administration (Executive Police Administration), MPSLA (PPPSEPMP SL)  
 Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)  
 Social Work, MSW (PPSWDMSW)  
 Social Work, PHD (PPSW2PHD)  
 Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)  
 Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)  
 Social Work - Advanced Standing - Advanced Generalist, MSW (PPASWMSW)  
 Sustainable Tourism, MST (PPSUSTMST)  
 Sustainable Tourism (certificate), Certificate (PPSTGRCT)  
 Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)

Teachers College, Mary Lou Fulton

Advanced Analytics in Higher Education, Certificate (TEAAHEGRCT)  
 An Overview of Autism Spectrum Disorders (certificate), Certificate (EDSPEGRCA)  
 Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)  
 Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)  
 Curriculum and Instruction (Applied Behavior Analysis), MEd (TEABAMED)  
 Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED)  
 Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)  
 Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)  
 Educating Multilingual Learners (Certificate), Certificate (TEESLGRCT)  
 Education, MA (TEEDUMA)  
 Education (Accomplished Teaching), MA (EDACCTCMA)  
 Education (Educating Multilingual Learners), MA (EDES LMA)  
 Education (Literacy Education), MA (EDLANGMA)  
 Education Sciences, MS (TEEDUSCIMS)  
 Educational Leadership, MEd (EDSUPVMED)  
 Educational Leadership (Principalship), MEd (TEPRINMED)  
 Educational Policy, MA (EDSPFMA)  
 Educational Policy and Evaluation, PHD (EDLDRSHPHD)  
 Educational Technology, PHD (EDTECHPHD)  
 Elementary Education (Teacher Certification), MEd (TEEEACL MED)  
 Gifted Education (Certificate), Certificate (TEGEDGRCT)  
 Global Education, MEd (TEGLOEDMED)  
 Higher and Postsecondary Education, MEd (EDPOSTMED)  
 Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)  
 Instructional Design and Performance Improvement (certificate), Certificate (EDED TGRCT)  
 Leadership and Innovation, EdD (TELINEDD)  
 Leadership and Innovation (Policy and Administration), EdD (TEINNPAEDD)  
 Leadership and Innovation (Teaching), EdD (TEINNTEEDD)  
 Learning Design and Technologies, MEd (EDTECHMED)  
 Learning Sciences, MA (EDPSYCHMA)  
 Learning, Literacies and Technologies, PHD (EDCIPHD)  
 Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)

Physical Education, MPE (ECPHYEDMPE)  
Secondary Education (Teacher Certification), MEd (TESCERTMED)  
Special Education, MA (EDSPEDMA)  
Special Education (Applied Behavior Analysis), MA (TESPEABAMA)  
Special Education (Autism Spectrum Disorder), MA (TESPEASDMA)  
Special Education (Teacher Certification), MEd (TESECRTMED)  
Technology for Teaching and Learning (certificate), Certificate (EDEDTTGRCT)

#### Undergraduate Programs

##### Minors (Program Descriptions and Requirements)

African and African American Studies Minor (LAAFRMIN)  
American Indian Studies Minor (LAAISMIN)  
American Studies Minor (ASAMSMIN)  
Anthropology Minor (LAASBMIN)  
Applied Biological Sciences Minor (TSABSMIN)  
Applied Computing Minor (ASACOMIN)  
Applied Ethics Minor (ASAPETHMIN)  
Applied Mathematics Minor (ASAPMMIN)  
Applied Mathematics Minor (LSAPMMIN)  
Arabic Studies Minor (LAARBMIN)  
Architectural Studies Minor (ARSTDMIN)  
Art History Minor (FAARTHMIN)  
Asian Languages (Chinese) Minor (LACHIMIN)  
Asian Languages (Japanese) Minor (LAJPNMIN)  
Asian Pacific American Studies Minor (LAAPAMIN)  
Astronomy Minor (LAASTMIN)  
Astrophysics Minor (LAASTPHMIN)  
Biochemistry Minor (LABCHMIN)  
Biological Sciences Minor (LABIOMIN)  
Biology Minor (ASLSCMIN)  
Business Minor (BABUSMIN)  
Chemistry Minor (ASCHMMIN)  
Chemistry Minor (LACHMMIN)  
Civic and Economic Thought and Leadership Minor (LACELMIN)  
Communication Minor (HSCMNMIN)  
Communication Minor (LACOMMIN)  
Communication Minor (LSCOMMIN)  
Community Health Minor (NUCHLTMIN)  
Community Sports Management Minor (PPCSMMIN)  
Computational Mathematical Sciences Minor (LACMSMIN)  
Conflict Resolution Minor (ASCNRMIN)  
Construction Management Minor (ESCMGMIN)  
Counseling and Applied Psychological Science Minor (LSCAPSMIN)  
Criminology and Criminal Justice Minor (PPCRJMIN)  
Dance Minor (FADANMIN)  
Data Science Minor (LADATSCMIN)  
Design Studies Minor (ARDSNMIN)  
Digital Audiences Minor (CSDAUMIN)  
Digital Culture Minor (HIDGCMIN)  
Disability Studies Minor (ASDISASMIN)  
Early Childhood Education Minor (TEECEDMIN)

Economics Minor (LAECNMIN)  
Educational Studies Minor (TEEDSTMIN)  
Engineering Management Minor (ESENMMIN)  
English Minor (ASENGMIN)  
English Minor (LAENGMIN)  
English Minor (LSENGMIN)  
English (Linguistics) Minor (LAENGMINN)  
English (Literature) Minor (LAENGMINT)  
Environmental Science Minor (ASENVMIN)  
Environmental and Resource Management Minor (ESERMMIN)  
Ethnic Studies Minor (ASETHMIN)  
Family and Human Development Minor (LAFASMIN)  
Fashion Minor (HIFSHMIN)  
Film and Media Production Minor (FAFMPPMIN)  
Film and Media Studies Minor (LAFMSMIN)  
Food and Nutrition Management Minor (ECFNTRMIN)  
French Minor (LAFREMIN)  
Geography Minor (LAGCUMIN)  
Geological Sciences Minor (LAGLGMIN)  
German Minor (LAGERMIN)  
Global Health Minor (LASSHMIN)  
Global Studies Minor (LASGSMIN)  
Health Care Compliance and Regulations Minor (NUHCCRMIN)  
Health Care Coordination Minor (NUHCCOMIN)  
Health Innovation Minor (NUHCIMIN)  
History Minor (ASHISMIN)  
History Minor (LAHISMIN)  
History Minor (LSHISMIN)  
History of Science, Ideas and Innovation Minor (LSHSIIMIN)  
Human Nutrition Minor (ECNTRMIN)  
Human Systems Engineering Minor (ESHSEMIN)  
Innovation in Society Minor (FIFISMIN)  
Integrative Health Minor (NUIHLTMIN)  
Integrative Social Science Minor (LSISSMIN)  
Interdisciplinary Organizational Studies Minor (ASIOSMIN)  
Interior Design History Minor (ARINTMIN)  
Italian Minor (LAITAMIN)  
Justice Studies Minor (LAJUSMIN)  
Kinesiology Minor (NHKINMIN)  
Korean Minor (LAKORMIN)  
Landscape Studies Minor (ARLNDMIN)  
Latin American Studies Minor (ASLASMIN)  
Materials Science and Engineering Minor (ESMSEMIN)  
Mathematics Minor (ASMATHMIN)  
Mathematics Minor (LAMATMIN)  
Media Analysis Minor (CSCMOMINA)  
Medical Studies Minor (NHMESTMIN)  
Military Leadership Minor (LAMISMIN)  
Music Minor (FAMUSMIN)  
Music Performance Minor (HIMUSPMIN)



Music Theatre Minor (HIMUTHRMIN)  
 Nonprofit Leadership and Management Minor (PPNLMMIN)  
 Nutrition and Healthy Living Minor (NUNHLMIN)  
 Organizational Leadership Minor (LSORGLMIN)  
 Parks and Protected Area Management Minor (PPPRMMINT)  
 Personal Health Minor (NPHPLMIN)  
 Pharmacology and Toxicology Minor (ASPTXMIN)  
 Philosophy Minor (ASPHIMIN)  
 Philosophy Minor (LAPHIMIN)  
 Physics Minor (LAPHYMIN)  
 Physics Minor (LSPHYMIN)  
 Political Science Minor (ASPOLMIN)  
 Political Science Minor (LAPOSMIN)  
 Project Management Minor (LSPROMAMIN)  
 Psychology Minor (ASPGSMIN)  
 Psychology Minor (LAPGSMIN)  
 Psychology Minor (LSPGSMIN)  
 Public Relations and Strategic Communications Minor (HSPRSMIN)  
 Public Service and Public Policy Minor (PPPAFMIN)  
 Real Estate Minor (BAREAMIN)  
 Recreation Management Minor (PPRECMIN)  
 Recreation Therapy Minor (PPRECTMIN)  
 Religious Studies Minor (ASRELMIN)  
 Religious Studies Minor (LARELMIN)  
 Romanian Minor (LAROMMIN)  
 Russian Minor (LARUSMIN)  
 Science, Technology and Society Minor (ECSTSMIN)  
 Slavic Studies Minor (LASLVMIN)  
 Social Justice and Human Rights Minor (ASJHRMIN)  
 Social Welfare Minor (LASSWMIN)  
 Social and Behavioral Sciences Minor (ASSBSMIN)  
 Sociocultural Anthropology Minor (ASASBMIN)  
 Sociology Minor (ASSOCMIN)  
 Sociology Minor (LASOCMIN)  
 Spanish Minor (ASSPAMIN)  
 Spanish Minor (LASPAMIN)  
 Spanish Minor (LSSPAMIN)  
 Special Events Management Minor (HSEVNMIN)  
 Speech and Hearing Science Minor (LASHSMIN)  
 Statistics Minor (ASSTAMIN)  
 Statistics Minor (LASTAMIN)  
 Studio Art Minor (HISTARTMIN)  
 Sustainability Minor (SUSUSMIN)  
 Sustainable Tourism Minor (PPTDMSMIN)  
 Technical Communication Minor (LSTWCMIN)  
 Technological Entrepreneurship and Management Minor (ESTEM2MIN)  
 Theatre Minor (FATHEMIN)  
 Tourism Development and Management Minor (PPTDMMIN)  
 Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)  
 Urban Planning Minor (ARPUPMIN)

Urban and Metropolitan Studies Minor (PPURBMIN)  
 Wellness Foundations Minor (ECEXWMIN)  
 Women and Gender Studies Minor (ASWSTMIN)  
 Women and Gender Studies Minor (LAWSTMIN)  
 Writing, Rhetorics and Literacies Minor (LAWRHLMIN)  
 Youth Services Leadership Minor (HSYSLMIN)

Undergraduate Programs

Undergraduate Certificates (Program Descriptions and Requirements)

Actuarial Science Certificate (LAACTCERT)  
 African and African American Studies Certificate (LAAFRCERT)  
 American Indian Nation Governance Certificate (LAAIGVCERT)  
 Analysis and Management of Insurance Risk Certificate (LAAMIRCERT)  
 Applied Business Data Analytics Certificate (BABDACERT)  
 Applied Cybersecurity Certificate (ASACSCERT)  
 Applied Social Sciences Certificate (ASAPSSCERT)  
 Arabic Studies Certificate (LAARBCERT)  
 Arts Entrepreneurship Certificate (HITHAECERT)  
 Arts and Humanities in Games Certificate (ASAHGCERT)  
 Arts in Education Certificate (HIAEDCERT)  
 Asian Pacific American Studies Certificate (LAAPACERT)  
 Asian Studies Certificate (LAASNCERT)  
 Atmospheric Sciences Certificate (LAATMSCERT)  
 Biomedical Research Certificate (ASBMRCERT)  
 Biomimicry Certificate (SUBMYCERT)  
 Brazilian Studies Certificate (LABZSCERT)  
 Civic Education Certificate (LACVECERT)  
 Civil Communication Certificate (LACCOMCERT)  
 Classical Studies Certificate (LACLGCERT)  
 Communication Sciences and Disorders Certificate (NHCSDCERT)  
 Communication Training and Assessment Certificate (ASCTACERT)  
 Community-Engaged Practices in Design and the Arts Certificate (HISEPCERT)  
 Computational Life Sciences Certificate (LACLSICERT)  
 Computer Gaming Certificate (ESSCICERT)  
 Convention Sales and Meeting Planning Certificate (PPTDMCERT)  
 Correctional Studies Certificate (PPCRTSCERT)  
 Creative City Certificate (PPURBCERC)  
 Criminal Investigations Certificate (PPCRICERT)  
 Cross-Sector Leadership Certificate (PPCSLDCERT)  
 Cryptology Certificate (LACRYCERT)  
 Data Science Certificate (ASDTSCERT)  
 Desert Food Production Certificate (LSDFPRCERT)  
 Digital Business Innovation Certificate (BADBICERT)  
 Digital Culture Certificate (HIDGCCERT)  
 Disability Studies Certificate (LADISCERT)  
 Diversity and Equity Studies Certificate (ASDESCERT)  
 Domestic Violence and Evidence-based Practice Certificate (PPDVEPCERT)  
 Economic Justice Certificate (LAECNJCERT)  
 Energy and Sustainability Certificate (SUESUCERT)  
 Entrepreneurship and Innovation Certificate (BAKEICERT)  
 Environmental Education Certificate (TEEVEDCERT)

Environmental Humanities Certificate (LAENHCERT)  
 Environmental Humanities Certificate (LSENHHCERT)  
 Ethics Certificate (LAETHHCERT)  
 Ethnic Studies Certificate (ASETHHCERT)  
 European Studies Certificate (LAESCERT)  
 Evolutionary Medicine Certificate (LAEVMDCERT)  
 Family Communication Certificate (ASFAMCCERT)  
 Field Geology Certificate (LAFDGCERT)  
 Film and Video Studies Certificate (ASVIDCERT)  
 Food Industry Management and Marketing Certificate (BAFIMMCERT)  
 Geographic Information Science Certificate (LAGISCERT)  
 Global Management Certificate (TBTGMCERT)  
 Globalization and Culture Certificate (LAGLCCERT)  
 Hazardous Materials and Waste Management Certificate (TSETMCERT)  
 Health Care Policy and Delivery Certificate (NHHCPDCERT)  
 Health Education Specialist Certificate (NHHEDSCERT)  
 Health and Wellness Coach Certificate (NHHWCCERT)  
 History and Philosophy of Science Certificate (LAHPSCERT)  
 Homeland Security Certificate (PPHSLCERT)  
 Honors Business Consulting Certificate (BAECNUERT)  
 Hospice and Palliative Care Certificate (NHHAPCCERT)  
 Human Rights Certificate (LAHRTSCERT)  
 Informatics Certificate (ESCPICERT)  
 Innovation for Impact Certificate (FIIFICERT)  
 Interdisciplinary Health Humanities Certificate (LAIHHUCERT)  
 International Business Studies Certificate (BAIBSCERT)  
 International Cinema Certificate (LAICINCERT)  
 International Studies Certificate (LAINSCERT)  
 International Trade Certificate (TBINTRCERT)  
 Islamic Studies Certificate (LAISLCERT)  
 Jewish Studies Certificate (LAJUDCERT)  
 Korean Studies Certificate (LAKORCERT)  
 Latin American Studies Certificate (LALASCERT)  
 Law and Human Behavior Certificate (PPLWHBCERT)  
 Leadership and Ethics Certificate (PPLDECERT)  
 Leadership in Business Certificate (BALIBCERT)  
 Leadership, Ethics and Service Certificate (PPLETSCERT)  
 Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)  
 Mathematical Concepts of Engineering Certificate (LAMACECERT)  
 Medieval and Renaissance Studies Certificate (LAMRSCERT)  
 Modern Hebrew Certificate (LAHEBCERT)  
 Music Entrepreneurship Certificate (HIMERTCERT)  
 Nonprofit Professional Certificate (PPNPYCERT)  
 Oral History and Storytelling Certificate (ASOHCCERT)  
 Peace Corps Prep Certificate (LSPCPRCERT)  
 Personal Fitness Training Certificate (NHPFITCERT)  
 Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)  
 Political Economy Certificate (LAPLECERT)  
 Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT)  
 Political History and Leadership Certificate (LAPTLCERT)

Power and Society Certificate (ASPWSOCERT)  
 Professional Sales Certificate (BAPRSCERT)  
 Public Administration and Public Management Certificate (PPPAFCERT)  
 Religion and Conflict Certificate (LARELCERT)  
 Risk Communication Certificate (ASRCMCERT)  
 Risk Management Certificate (BARMGTCERT)  
 Russian and East European Studies Certificate (LAREECERT)  
 Sales and Marketing Essentials Certificate (BASMECERT)  
 School Nutrition Certificate (ECNTRCERC)  
 Secondary Education Certificate (TESEDCERT)  
 Security Studies Certificate (PPSCSCERT)  
 Small Business and Entrepreneurship Certificate (BASMBCERT)  
 Social Science Research Methods Certificate (LASSRMCERT)  
 Social Transformation Certificate (LASOTCERT)  
 Socio-Legal Studies Certificate (LASLSTCERT)  
 Spanish for the Professions Certificate (LSSPPRFCER)  
 Special Events Management Certificate (HSRTMUERT)  
 Speech-Language Pathology Assistant Certificate (LASLPACERT)  
 Sports Business Certificate (BASPBCERT)  
 Sports, Cultures and Ethics Certificate (LASPCECERT)  
 Sustainable Food Systems Certificate (SUFSCERT)  
 Symbolic, Cognitive and Linguistic Systems Certificate (LAPHICERT)  
 Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)  
 Technical Communication Certificate (LSTECCERT)  
 Transformation and Change Certificate (ASTNCHCERT)  
 Translation Certificate (LASPACERT)  
 Veterans, Society and Service Certificate (LAVSSCERT)  
 Water Resources Certificate (LAWATRCERT)  
 Wildlife Management Certificate (LSWLMCERT)  
 Women and Gender Studies Certificate (ASWSTCERT)  
 Women and Gender Studies Certificate (LAWSTCERT)  
 Working with Military Families Certificate (LAWWMFCERT)  
 Writing (Liberal Arts and Sciences) Certificate (LAENGCERT)  
 Writing (New College) Certificate (ASWRTCERT)

#### Undergraduate Programs

#### Undergraduate Degrees (Program Descriptions)

#### Business, W. P. Carey School of

Accountancy, BS (BAACCBS)  
 Business, BA (BABUSBA)  
 Business (Business Administration), BA (BABUSBABA)  
 Business (Chinese Language and Culture), BA (BABUSCLBA)  
 Business (Communication), BA (BABUSCBA)  
 Business (Corporate Accounting), BA (BABUSCABA)  
 Business (Financial Planning), BA (BABUSFPBA)  
 Business (Food Industry Management), BA (BABUSFIMBA)  
 Business (Global Agribusiness), BA (BABUSGAGBA)  
 Business (Global Leadership), BA (BABUSGBA)  
 Business (Global Logistics Management), BA (BABUSGLBA)  
 Business (Global Politics), BA (BABUSGPBA)  
 Business (Health Care), BA (BABUSHCBA)

Business (Human Resources), BA (BABUSHRBA)  
 Business (Information Security), BA (BABUSISBA)  
 Business (Language and Culture), BA (BABSLACUBA)  
 Business (Law), BA (BABUSLBA)  
 Business (Public Service and Public Policy), BA (BABUSPBA)  
 Business (Retail Management), BA (BABUSRBA)  
 Business (Spanish Language and Culture), BA (BABUSSLBA)  
 Business (Sports Business), BA (BABUSMSBA)  
 Business (Statistics), BA (BABUSTABA)  
 Business (Sustainability), BA (BABUSSBA)  
 Business (Technology), BA (BABUSTCBA)  
 Business (Tourism), BA (BABUSTBA)  
 Business Data Analytics, BS (BABDABS)  
 Business Entrepreneurship, BS (BABUENTBS)  
 Business Exploratory, (BABUSEXP)  
 Computer Information Systems, BS (BACISBS)  
 Economics, BS (BAECNBS)  
 Finance, BS (BAFINBS)  
 Food Industry Management, BS (BAFIMBS)  
 Management, BS (BAMGTBS)  
 Marketing, BS (BAMKTBS)  
 Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)  
 Marketing (Professional Sales), BS (BAMKTPSBS)  
 Supply Chain Management, BS (BASCMBS)  
 Design and the Arts, Herberger Institute for  
 Architectural Studies, BSD (ARSTDBSD)  
 Art (Animation), BFA (HIARTANBFA)  
 Art (Art Education), BFA (FAARTEBFA)  
 Art (Art History), BA (FAARTHBA)  
 Art (Art Studies), BA (FAARTSTDBA)  
 Art (Ceramics), BFA (FAARTCBFA)  
 Art (Digital Photography), BFA (HIARTDPBFA)  
 Art (Drawing), BFA (FAARTDBFA)  
 Art (Intermedia), BFA (FAARTIBFA)  
 Art (Museum Studies), BA (FAARTMSBA)  
 Art (Painting and Drawing), BFA (HIARTPDBFA)  
 Art (Painting), BFA (FAARTPABFA)  
 Art (Photography), BFA (FAARTPHBFA)  
 Art (Printmaking), BFA (FAARTPMBFA)  
 Art (Sculpture), BFA (FAARTSBFA)  
 Art (Textiles), BFA (FAARTFBFA)  
 Arts (BA in the Arts), BA (FAATSBA)  
 Dance, BFA (FADANBFA)  
 Dance (Dance Education), BFA (FADANEBFA)  
 Design Studies, BA (ARDSNBA)  
 Design Studies (Design Management), BA (ARDSNMBA)  
 Digital Culture, BA (HIDGCBA)  
 Digital Culture (Art), BA (HIDGCABA)  
 Digital Culture (Arts and Design Studies), BA (HIDCADSBA)  
 Digital Culture (Design), BA (HIDGCDBA)

Digital Culture (English), BA (HIDGCENBA)  
 Digital Culture (Film), BA (HIDGCFBA)  
 Digital Culture (Graphic Information Technology), BA (HIDGCTEBA)  
 Digital Culture (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)  
 Digital Culture (Media Processing), BA (HIDGCMPPBA)  
 Digital Culture (Media Processing), BS (HIDGCMPPBS)  
 Digital Culture (Music), BA (HIDGCMBA)  
 Digital Culture (Theatre), BA (HIDGCTBA)  
 Environmental Design, BS (HIEDSBS)  
 Fashion, BA (HIFSHBA)  
 Film (Film and Media Production), BA (FAFLMBA)  
 Film (Filmmaking Practices), BA (FAFPRBA)  
 Graphic Design, BSD (ARGRABSD)  
 Industrial Design, BSD (ARINDBSD)  
 Interior Design, BSD (ARINTBSD)  
 Landscape Architecture, BSLA (ARPLABSLA)  
 Music, BA (FAMUSBA)  
 Music (Music and Culture), BA (HIMUSMCBA)  
 Music (Popular Music), BA (HIMUSPMBA)  
 Music Learning and Teaching, BMUS (FAMUSEBM)  
 Music Therapy, BMUS (FAMUSTHBM)  
 Performance (Collaborative Piano), BMUS (FAMUSPPBM)  
 Performance (Guitar), BMUS (FAMUSPGBM)  
 Performance (Jazz), BMUS (FAMUSPJBM)  
 Performance (Keyboard), BMUS (FAMUSPKBM)  
 Performance (Music Theatre), BMUS (FAMUSPMBM)  
 Performance (Orchestral Instrument), BMUS (FAMUSPOBM)  
 Performance (Voice), BMUS (FAMUSPVBM)  
 Performance and Movement, BA (HIPERMVBA)  
 Theatre, BA (FATHEBA)  
 Theatre (Acting), BA (FATHEABA)  
 Theatre (Design and Production), BA (FADSNPRBA)  
 Theory and Composition (Composition), BMUS (FAMUSTCBM)  
 Theory and Composition (Theory), BMUS (FAMUSTTBM)

Engineering, Ira A. Fulton Schools of  
 Aeronautical Management Technology (Air Traffic Management), BS (ESAMTATBS)  
 Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)  
 Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)  
 Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS)  
 Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)  
 Aerospace Engineering (Astronautics), BSE (ESAEASBSE)  
 Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)  
 Applied Science (Aviation), BAS (TSAMTABAS)  
 Applied Science (Graphic Information Technology), BAS (TSGITBAS)  
 Applied Science (Internet and Web Development), BAS (TSIWDBAS)  
 Applied Science (Operations Management), BAS (TSIMCOBAS)  
 Biomedical Engineering, BSE (ESBMEBSE)  
 Biomedical Engineering (Biological Devices), BSE (ESBMEBDBSE)  
 Biomedical Engineering (Biomedical Devices), BSE (ESBMEMDBSE)  
 Chemical Engineering, BSE (ESCHEBSE)

Civil Engineering, BSE (ESCEEBSE)  
 Civil Engineering (Environmental Engineering), BSE (ESCEEBSE)  
 Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)  
 Computer Science, BS (ESCSEBS)  
 Computer Science (Cybersecurity), BS (ESCSEIBS)  
 Computer Science (Software Engineering), BS (ESCSESBS)  
 Computer Systems Engineering, BSE (ESCSEBSE)  
 Computer Systems Engineering (Cybersecurity), BSE (ESCSEIBSE)  
 Construction Engineering, BSE (ESCONBSE)  
 Construction Management and Technology, BS (ESCONMGTBBS)  
 Electrical Engineering, BSE (ESEEEBSE)  
 Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)  
 Engineering, BSE (TSEGRBSE)  
 Engineering (Automotive Systems), BSE (TSEGRASBSE)  
 Engineering (Electrical Systems), BSE (TSEGRESBSE)  
 Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)  
 Engineering (Robotics), BSE (TSEGRRBSE)  
 Engineering Management, BSE (ESEMGBSE)  
 Environmental Engineering, BSE (ESEVEBSE)  
 Environmental and Resource Management, BS (TSETMBS)  
 Graphic Information Technology, BS (TSGITBS)  
 Graphic Information Technology (Full-Stack Web Development), BS (ESGITFSWBS)  
 Graphic Information Technology (User Experience), BS (ESGITUEBS)  
 Human Systems Engineering, BS (ESHSEBS)  
 Human Systems Engineering (User Experience), BS (ESHSEUEBS)  
 Industrial Engineering, BSE (ESIEEBSE)  
 Informatics, BS (ESCPIBS)  
 Information Technology, BS (TSIFTBS)  
 Manufacturing Engineering, BS (TSMEGRBS)  
 Materials Science and Engineering, BSE (ESMSEBSE)  
 Mechanical Engineering, BSE (ESMAEMBSE)  
 Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)  
 Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)  
 Software Engineering, BS (TSSERBS)  
 Technological Entrepreneurship and Management, BS (TSTEMBS)

Global Futures, College of  
 Innovation in Society, BA (FIFISBA)  
 Innovation in Society, BS (FIFISBS)  
 Sustainability, BA (SUSUSTBA)  
 Sustainability, BS (SUSUSTBS)  
 Sustainable Food Systems, BS (SUSFOSYSBS)

Global Management, Thunderbird School of  
 Global Management, BGM (TBTGMBGM)  
 International Trade, BS (TBINTRABS)

Health Solutions, College of  
 Applied Science (Food and Nutrition Entrepreneurship), BAS (ECNTRBAS)  
 Applied Science (Health Sciences), BAS (NUHSCBAS)  
 Applied Science (Medical Laboratory Science), BAS (NUMLSBAS)  
 Biomedical Informatics, BS (ESBMIBS)  
 Dietetics, BS (NHDIETCSBS)

Exercise and Wellness, BS (ECEXERBS)  
 Exercise and Wellness (Fitness and Wellness Specialist), BS (ECEXWBS)  
 Exercise and Wellness (Strength and Conditioning Specialist), BS (NHEXWSCBS)  
 Food and Nutrition Entrepreneurship, BS (NHFNUENBS)  
 Health Education and Health Promotion, BS (NHHEHPBS)  
 Health Sciences, BS (NHHSCBS)  
 Health Sciences (Health Policy), BS (NUHSCHPBS)  
 Health Sciences (Healthy Lifestyles and Fitness Science), BS (NUHSCHLCBS)  
 Health Sciences (Pre-professional), BS (NUHSCPREBS)  
 International Public Health, BIPH (NHIPHBIPH)  
 Kinesiology, BS (NUKINBS)  
 Medical Studies, BS (NHMEDBS)  
 Nutrition, BS (NHNTRBS)  
 Nutrition (Dietetics), BS (ECNTRDBS)  
 Nutrition (Food and Nutrition Management), BS (ECNTRMBS)  
 Nutrition (Human Nutrition), BS (ECNTRHBS)  
 Nutrition (Nutrition Communication), BS (ECNTRCBS)  
 Nutritional Science, BS (NHNUSCIBS)  
 Population Health, BS (NHPOPHLBS)  
 Public Health, BS (NHPBHBS)  
 Science of Health Care Delivery, BS (NHHCDBS)  
 Speech and Hearing Science, BS (LASHSBS)  
 Sports Science and Performance Programming, BS (NHSPTSPPBS)

Honors - Barrett, The Honors College

Honors College, (9HOHONALL)

Integrative Sciences and Arts, College of

Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)  
 Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)  
 Applied Biological Sciences (Natural Resource Ecology), BS (LSABSNRBS)  
 Applied Biological Sciences (Preveterinary Medicine), BS (LSABSPMBS)  
 Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)  
 Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)  
 Applied Mathematics, BS (LSMATBS)  
 Applied Physics, BS (LSAPHYBS)  
 Applied Quantitative Science, BS (LSAQSBS)  
 Applied Science (Applied Leadership), BAS (LSALSBAS)  
 Applied Science (Project Management), BAS (LSAPSPMBAS)  
 Applied Science (Technical Communication), BAS (LSTECBAS)  
 Communication, BA (LSCOMBA)  
 Counseling and Applied Psychological Science, BS (LSCAPSBS)  
 Counseling and Applied Psychological Science (Substance Abuse and Addictions), BS (LSCAPSAABS)  
 English, BA (LSENGBA)  
 General Studies, BA (LSGNSBGS)  
 History, BA (LSHISBA)  
 History of Science, Ideas and Innovation, BA (LSHSIIBA)  
 Integrative Social Science, BS (LSISSBS)  
 Interdisciplinary Studies, BA (LSBISBIS)  
 Interdisciplinary Studies (Organizational Studies), BA (LSORGBIS)  
 Liberal Studies, BA (LABLSBLS)  
 Organizational Leadership, BA (LSORGLBA)



Organizational Leadership (Project Management), BA (LSORGLPMBA)  
 Political Science, BS (LSPOLBS)  
 Psychology, BA (LSPGSBA)  
 Psychology, BS (LSPGSBS)  
 Science, Technology and Society, BS (ECSTSBS)  
 Technical Communication, BS (LSTECBS)  
 Technical Communication (User Experience), BS (LSTECUBS)  
 Interdisciplinary Arts and Sciences, New College of  
 Applied Computing, BS (ASACOBS)  
 Applied Computing (Cybersecurity), BS (ASACOCBS)  
 Applied Mathematics, BS (ASMATBS)  
 Applied Science, BAS (ASBASBAS)  
 Biology, BA (ASLSCBA)  
 Biology, BS (ASLSCBS)  
 Biology (Environmental Science), BS (ASLSCEBS)  
 Biology (Pharmacology/Toxicology), BS (ASLSCPBS)  
 Biotechnology and Bioenterprise, BS (ASBITEBS)  
 Communication, BA (ASCOMMBA)  
 Communication, BS (ASCOMMBS)  
 Computational Forensics, BS (ASCPFBBS)  
 Conflict Resolution, BA (ASCNRBA)  
 Disability Studies, BA (ASDISASBA)  
 English, BA (ASENGBA)  
 English (Secondary Education), BA (ASENGSEBA)  
 Environmental Science, BA (ASENVBA)  
 Environmental Science, BS (ASENVBS)  
 Exploratory Applied Computing, Mathematics and Technology, (ASACMTEXPL)  
 Exploratory Health and Life Sciences, (ASHSCIEXPL)  
 Exploratory Humanities, Fine Arts and Design, (ASHUFAEXPL)  
 Exploratory Social and Behavioral Sciences, (ASSBSEXPL)  
 Forensic Science, BS (ASFOREBS)  
 History, BA (ASHISBA)  
 History (Secondary Education), BA (ASHISSEBA)  
 Interdisciplinary Arts and Performance, BA (ASIAPBA)  
 Interdisciplinary Arts and Sciences, BA (ASIASBA)  
 Latin American Studies, BA (ASLASBA)  
 Pharmacology and Toxicology, BS (ASPTXBS)  
 Philosophy, Religion and Society, BA (ASRELBA)  
 Political Science, BA (ASPOLBA)  
 Political Science, BS (ASPOLBS)  
 Psychology, BA (ASPGSBA)  
 Psychology, BS (ASPGSBS)  
 Psychology (Forensic Psychology), BA (ASPGSFPBA)  
 Psychology (Forensic Psychology), BS (ASPGSFPBS)  
 Social Justice and Human Rights, BA (ASJHRBA)  
 Social and Behavioral Sciences, BA (ASSBSBA)  
 Social and Behavioral Sciences, BS (ASSBSBS)  
 Social and Cultural Analysis (American Studies), BA (ASSCAASBA)  
 Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA (ASSCAERBA)  
 Social and Cultural Analysis (Latin American Studies), BA (ASSCALABA)

Social and Cultural Analysis (Peace Studies), BA (ASSCAPSBA)  
 Social and Cultural Analysis (Queer and Sexuality Studies), BA (ASSCAQSBA)  
 Social and Cultural Analysis (Women and Gender Studies), BA (ASSCAWSBA)  
 Sociology, BA (ASSOCBA)  
 Sociology, BS (ASSOCBS)  
 Spanish, BA (ASSPABA)  
 Statistics, BS (ASSTABS)  
 Women and Gender Studies, BS (ASWSTBS)

Journalism and Mass Communication, Walter Cronkite School of  
 Digital Audiences, BS (CSDIGABS)  
 Digital Media Literacy, BA (CSDMLBA)  
 Journalism and Mass Communication, BA (CSJMCBA)  
 Mass Communication and Media Studies, BA (CSMCMSTBA)  
 Sports Journalism, BA (CSSPJBA)

Liberal Arts and Sciences, The College of  
 Actuarial Science, BS (LAACTBS)  
 African and African American Studies, BA (LAAFRBA)  
 American Indian Studies, BS (LAAISBS)  
 American Studies, BA (LAAMRSTBA)  
 Anthropology, BA (LAASBBA)  
 Anthropology, BS (LAASBBS)  
 Applied Mathematics for Life and Social Sciences, BS (LAAMLBS)  
 Asia Studies (East Asia), BA (LAHSTEABA)  
 Asia Studies (South Asia), BA (LAHSTSABA)  
 Asia Studies (Southeast Asia), BA (LAHSTSEABA)  
 Asian Languages (Chinese), BA (LACHIBA)  
 Asian Languages (Japanese), BA (LAJPNBA)  
 Asian Pacific American Studies, BA (LAAPABA)  
 Astronomical and Planetary Sciences, BS (LAASTPLSBS)  
 Biochemistry, BA (LABCHBA)  
 Biochemistry, BS (LABCHBS)  
 Biochemistry (Medicinal Chemistry), BS (LABCHMBS)  
 Biological Sciences, BS (LABSCBS)  
 Biological Sciences (Biology and Society), BS (LABSCSBS)  
 Biological Sciences (Biomedical Sciences), BS (LABSCMBS)  
 Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)  
 Biological Sciences (Genetics, Cell and Developmental Biology), BS (LABSCGBS)  
 Biological Sciences (Neurobiology, Physiology and Behavior), BS (LABSCABS)  
 Biophysics, BS (LABIPHBS)  
 Chemistry, BA (LACHMBA)  
 Chemistry, BS (LACHMBS)  
 Chemistry (Environmental Chemistry), BS (LACHMEBS)  
 Civic and Economic Thought and Leadership, BA (LACELBA)  
 Civic and Economic Thought and Leadership, BS (LACETLBS)  
 Communication, BA (LACOMBA)  
 Communication, BS (LACOMBS)  
 Computational Mathematical Sciences, BS (LACMSBS)  
 Data Science, BS (LADATSCIBS)  
 Earth and Environmental Studies, BA (LAEESBA)  
 Earth and Space Exploration, BS (LASESBS)

Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)  
 Earth and Space Exploration (Astrophysics), BS (LASESABS)  
 Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)  
 Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)  
 Economics, BS (LAECNBS)  
 Economics (Politics and the Economy), BS (LAECNPECBS)  
 English, BA (LAENGBA)  
 English (Creative Writing), BA (LAENGCBBA)  
 English (Linguistics), BA (LAENGNBA)  
 English (Literature), BA (LAENGTBA)  
 English (Secondary Education), BA (LAENGSEBA)  
 English (Writing, Rhetorics and Literacies), BA (LAENGWBA)  
 Family and Human Development, BS (LAFASBS)  
 Film (Film and Media Studies), BA (LAFMSBA)  
 French, BA (LAFREBA)  
 Geographic Information Science, BS (LAGISBS)  
 Geography, BA (LAGCUBA)  
 Geography, BS (LAGCUBS)  
 Geography (Meteorology-Climatology), BS (LAGCUMBS)  
 Geography (Urban Studies), BS (LAGCUUBS)  
 German, BA (LAGERBA)  
 Global Health, BA (LASSHBA)  
 Global Studies, BA (LASGSBA)  
 History, BA (LAHISBA)  
 History (Secondary Education), BA (LAHISSEBA)  
 Integrated Studies, BA (LAISTBA)  
 Integrated Studies, BS (LAISTBS)  
 International Letters and Cultures, BA (LASLCBA)  
 International Letters and Cultures (Arabic Studies), BA (LASLCASBA)  
 International Letters and Cultures (Classical Civilization), BA (LASLCVBA)  
 International Letters and Cultures (Classics), BA (LASLCCBA)  
 Italian, BA (LAITABA)  
 Jewish Studies, BA (LAJSTBA)  
 Justice Studies, BA (LAJUSBA)  
 Justice Studies, BS (LAJUSBS)  
 Mathematics, BA (LAMATBA)  
 Mathematics, BS (LAMATBS)  
 Mathematics (Secondary Education), BS (LAMATSBS)  
 Mathematics (Statistics), BS (LAMATTBS)  
 Microbiology, BS (LAMICBS)  
 Microbiology (Medical Microbiology), BS (LAMICMBS)  
 Molecular Biosciences and Biotechnology, BS (LAMBBBS)  
 Neuroscience, BS (LABMENBS)  
 Philosophy, BA (LAPHIBA)  
 Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)  
 Philosophy (Science, Nature and Mind), BA (LAPHISNMBA)  
 Physics, BA (LAPHYBA)  
 Physics, BS (LAPHYBS)  
 Physics (Secondary Education), BS (LAPHYSEBS)  
 Political Science, BA (LAPOSBA)

Political Science, BS (LAPOSBS)  
 Politics and the Economy, BS (LAPECBS)  
 Psychology, BA (LAPGSBA)  
 Psychology, BS (LAPGSBS)  
 Psychology (Psychological Science), BS (LAPGSPSBS)  
 Religious Studies, BA (LARELBA)  
 Religious Studies (Religion, Culture and Public Life), BA (LARELCPBA)  
 Religious Studies (Religion, Politics and Global Affairs), BA (LARELPGBA)  
 Russian, BA (LARUSBA)  
 Sociology, BS (LASOCBS)  
 Spanish, BA (LASPABA)  
 Technological Leadership, BS (LATECLDRBS)  
 Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)  
 Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)  
 Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)  
 Urban Planning, BSP (ARPUPBSP)  
 Women and Gender Studies, BA (LAWSTBA)  
 Nursing and Health Innovation, Edson College of  
   Applied Science (Health Entrepreneurship and Innovation), BAS (NUHCIBAS)  
   Community Health, BS (NUCHLTBS)  
   Health Care Compliance and Regulations, BS (NUHCCRBS)  
   Health Care Coordination, BS (NUHCCOBS)  
   Health Entrepreneurship and Innovation, BS (NUHCIBS)  
   Integrative Health, BS (NUIHLTBS)  
   Nursing, BSN (NUNURDBSN)  
 Public Service and Community Solutions, Watts College of  
   Applied Science (Emergency Management), BAS (PPEMGBAS)  
   Community Advocacy and Social Policy, BA (PPCASPBA)  
   Community Development, BA (PPCOMDEVBA)  
   Community Sports Management, BS (PPCSMBS)  
   Community Sports Management (Events), BS (PPCSMEBS)  
   Criminology and Criminal Justice, BS (PPCRIMJBS)  
   Criminology and Criminal Justice (Policing), BS (PPCRJPOLBS)  
   Nonprofit Leadership and Management, BS (PPNLMBS)  
   Nonprofit Leadership and Management (American Indian Studies), BS (PPNLMAIBS)  
   Parks and Recreation Management, BS (PPPRMBS)  
   Parks and Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)  
   Public Service and Public Policy, BS (PPPAFBS)  
   Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)  
   Public Service and Public Policy (Business), BS (PPPAFBUBS)  
   Public Service and Public Policy (Criminology), BS (PPPAFCBS)  
   Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)  
   Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)  
   Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS)  
   Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)  
   Public Service and Public Policy (Parks and Recreation Management), BS (PPPAAPRMBS)  
   Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)  
   Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS)  
   Public Service and Public Policy (Sustainability), BS (PPPAFSBS)

Recreation Therapy, BS (PPRECTBS)  
Social Work, BSW (PPSWUSWU)  
Tourism Development and Management, BS (PPTDMBS)  
Tourism Development and Management (Meetings and Events), BS (PPTDMMEBS)  
Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS)  
Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)  
Tourism and Recreation Management, BS (PPTRMBS)  
Urban and Metropolitan Studies, BA (PPURBBA)  
Urban and Metropolitan Studies, BS (PPURBBS)

Teachers College, Mary Lou Fulton

Applied Science (Early Childhood Studies), BAS (TEAPSECBAS)  
Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)  
Education Exploratory, (TEEDUEXPL)  
Educational Studies, BAE (EDSLSTBAE)  
Educational Studies (Early Childhood Studies), BAE (TEESECEBAE)  
Elementary Education, BAE (TEEEDBAE)  
Elementary Education (Educating Multilingual Learners), BAE (TEDLLBAE)  
Elementary Education (Science, Technology, Engineering and Mathematics), BAE (TEESTEMBAE)  
Secondary Education, BAE (TESEDBAE)  
Secondary Education (Biological Sciences), BAE (TEBIOBAE)  
Secondary Education (Chemistry), BAE (TECHMBAE)  
Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)  
Secondary Education (English), BAE (TEENGBAE)  
Secondary Education (German), BAE (EDGERBAE)  
Secondary Education (History), BAE (TEHISBAE)  
Secondary Education (Mathematics), BAE (TEMATBAE)  
Secondary Education (Physical Education), BAE (ECPPEBAE)  
Secondary Education (Physics), BAE (EDPHYBAE)  
Secondary Education (Political Science), BAE (TEPOLBAE)  
Secondary Education (Spanish), BAE (TESPABAE)  
Special Education (Visual Impairment), BAE (TESPEVIBAE)  
Special Education and Elementary Education, BAE (TESPEBAE)

University College

Exploratory Health and Life Sciences, (UCHSCIEXPL)  
Exploratory Humanities, Fine Arts and Design, (UCHUFAEXPL)  
Exploratory Math, Physical Sciences, Engineering and Technology, (UCEMTPEXPL)  
Exploratory Social and Behavioral Sciences, (UCSBSEXPL)

# Graduate Programs

## Graduate Degrees and Certificates (Program Descriptions and Requirements)

### Business, W. P. Carey School of

#### Accountancy, MAcc (BAACCMACC)

**Online Degree Search Title:** Accountancy, MACC

**Campus:** Tempe

**Program Description:**

The nine-month MAcc program is full-time cohort-based and delivered by the W. P. Carey School of Accountancy, highly ranked by the Public Accounting Report.

Infused with a data and analytics emphasis, the cutting-edge curriculum is structured to provide students with an in-depth working knowledge of advanced accounting topics that are most relevant in today's business environment and reviewed every year with input from accounting professionals and alumni. Esteemed faculty experts bring real-world experience into each class, giving the degree even more long-term value.

The Master of Accountancy program is designed for individuals who want to immerse themselves in full-time graduate studies, take classes during the day and fulfill course requirements for the CPA exam in both Arizona and California. Because of the quality of the Master of Accountancy program, students gain the skills and knowledge needed to launch their accounting careers while opening the door to top hiring firms.

As a STEM-designated program, eligible graduates on student visas have access to an Optional Practical Training (OPT) extension for up to 36 months. This longer work authorization term may help international students gain additional skills and experience in the U.S.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Legal Studies, MLS

W. P. Carey MBA - Full-Time Program

**Degree Requirements:**

30 credit hours including the required capstone course (ACC 586).

Required Core (3 credit hours)

ACC 512 Advanced Auditing (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)

ACC 586 Shareholder Value Creation and Financial Statement Analysis (3)

**Additional Curriculum Information**

Students should see the academic unit for an approved list of elective coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in accountancy from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts of all coursework completed at institutions other than ASU
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

Applicants must complete program prerequisites prior to admission to the program. Students should refer to the master's degree program website for a current list of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

#### Career Opportunities:

The Master in Accountancy program includes the essential academic preparation for students who are interested in pursuing professional careers in public, corporate and governmental accounting, as well as consulting or financial planning.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states that employment for Accountants and Auditors is projected to grow 4 to 6% between 2018 and 2028.

Career examples include:

- accountant
- budget analyst
- auditor
- tax auditor

#### Contact Information:

Business, W. P. Carey School of  
 WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs/accounting>  
 MCRD 350  
 wpcareymasters@asu.edu  
 480-965-3332

## Business Administration (Accountancy), PHD (BAACCTPHD)

**Online Degree Search Title:** Accountancy, PhD

**Campus:** Tempe

#### Program Description:

The PhD program in business administration with a concentration in accountancy develops students' capability to review, analyze, conduct and publish research, through a series of research seminars, theory-building and statistical coursework that supplement and complement students' abilities and desires. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the School of Accountancy.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

#### Plan of Study

This program consists of 12 credit hours of dissertation and 72 credit hours of coursework and research. Students may not apply credit hours earned from a previously awarded doctoral degree from ASU or another institution toward their current ASU doctoral degree. However, at the academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their study committees to determine an appropriate plan of study. Common areas of functional specialization include financial and managerial accounting, auditing and taxation. Within these functional areas, doctoral studies may emphasize experimental or archival research methods. All accountancy doctoral students are required to take a three-semester sequence of accountancy doctoral coursework. A maximum of 12

approved graduate credit hours may be transferred to satisfy program requirements.

#### Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam; an oral exam may also be required, at the discretion of the academic unit.

#### Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the Dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

#### Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit, such as 795 Continuing Registration, during the semester (including a summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policy and procedures for a Doctor of Philosophy.

#### Maximum Time Limit

Doctoral students must complete all program requirements within 10 consecutive years.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT scores
- portfolio
- letters of recommendation
- personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applications are initially reviewed by a School of Accountancy doctoral committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good match of students' goals and the school. Recommendations for action are then made to the director of doctoral programs in the W. P. Carey School of Business who, in turn, makes recommendations to Graduate Admission Services.

#### **Career Opportunities:**

The program prepares graduates for careers at leading research universities.

Careers opportunities include:

- professor
- research professor
- researcher in accounting

#### **Contact Information:**

Business, W. P. Carey School of  
Business Administration



<https://wpcarey.asu.edu/accounting-degrees>

BA 223Q

wpcareyacc@asu.edu

480-965-3631

## Business Administration (Agribusiness), PHD (BAAGRIPHD)

**Online Degree Search Title:** Agribusiness, PhD

**Campus:** Polytechnic

### Program Description:

The discipline of agribusiness applies theory and quantitative methods in economics, finance, marketing and management to issues involved in the production, distribution and marketing of food and fiber. Doctoral students of agribusiness are involved with research in the following:

- agribusiness management
- derivatives, commodity marketing and risk management
- food and fiber supply chain management
- food marketing
- food policy and promotion
- global agricultural trade and policy
- strategic marketing by food retailers

The interdisciplinary PhD program in business administration with a concentration in agribusiness produces scholars trained in the latest methods of business and economic analysis who will emerge on the forefront of problem-solving in a vital sector of the global economy. Agribusiness graduates are expected to assume teaching and research positions at top-ranked research universities.

This program is offered by the W. P. Carey School of Business and the Morrison School of Agribusiness.

### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

#### Plan of Study

At least 30 credit hours (including research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a previously awarded doctorate degree from ASU or another institution toward their current ASU doctorate. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Agribusiness doctoral students are expected to develop a program of study consisting of three elements. Students study core theory and quantitative methods coursework in economics and management from the Morrison School of Agribusiness, as well as advanced courses in at least one of these areas in the W. P. Carey School of Business: economics, finance, marketing, supply chain management or management. Students also complete a three-course sequence of doctorate-level theory and methods from the Morrison School of Agribusiness as applied to issues and concepts specific to the agribusiness sector.

The agribusiness doctorate is designed to allow flexibility with focus, so each student's program of study is unique, but is designed to produce the highest level of research competency in the student's chosen area of interest.

#### Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved program of study, the academic unit may initiate the student's comprehensive examination process. The comprehensive examination consists of a minimum of a written exam and at the discretion of the academic unit, an oral exam may also be required.

#### Candidacy

Doctoral students are notified of achieving candidacy status in a letter from the Dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

#### Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College Policies and Procedures.

#### Maximum Time Limit

Doctoral students must complete all program requirements within 10 consecutive years.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE general exam or GMAT scores
- personal statement
- current curriculum vitae
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Complete information on the English proficiency exams and other required documents can be found on the Graduate Admission Services website: <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

Applicants must submit all the items listed above to complete an application file. Incomplete files will not be reviewed or considered until complete.

An explanation of the applicant's goals should be addressed in the personal statement.

Students should see the program website for application deadlines. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

#### Career Opportunities:

W. P. Carey doctoral graduates embark on careers in research and academia, learning from thought leaders in their respective fields and gaining the resources of America's largest public university.

Careers opportunities include:

- data scientist
- economic consultant
- market analyst
- professor
- research economist

#### Contact Information:

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/agribusiness-degrees/doctoral>

SANTN 230

[wpcarey.morrison@asu.edu](mailto:wpcarey.morrison@asu.edu)

480-727-1586

## Business Administration (Business Analytics), MBA (BABUSANMBA)

**Online Degree Search Title:** Business Administration (Business Analytics), MBA

**Campus:** Tempe

Students interested in the Business Analytics concentration should apply directly to the full time W. P. Carey MBA program (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BAFULLMBA/graduate/false>).

#### Program Description:

Students who graduate from the W. P. Carey MBA program have a foundational understanding of how to use data to drive insights that solve business challenges or help capitalize on an opportunity. The concentration in business analytics is intended to extend the student's quantitative and analytical skills, assist in their discovery of how to derive value from data, lead data-driven analyses and create a business advantage across markets and industries.

From smart phones, to social media, to the emerging "Internet of Things," companies need to manage more and more complex data every day. The business analytics concentration program seeks to capitalize on the explosion of data being captured and stored by organizations. Students develop skills in decision modeling, enterprise systems, data mining, information security and analytical decision making.

**Degree Requirements:**

60 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)

LES 582 Ethical Issues for Managers (1.5)

Concentration (12 credit hours)

CIS 505 Introduction to Enterprise Analytics (3)

CIS 508 Data Mining I (3)

SCM 518 Analytical Decision Modeling I (3)

SCM 519 Analytical Decision Modeling II (3)

Electives or Research (43.5 credit hours)

Culminating Experience (3 credit hours)

MGT 589 Strategic Management (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, must be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

**Career Opportunities:**

The Master of Business Administration program in business analytics includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

Career examples include:

- business intelligence analyst
- computer database architect

- data analyst
- IT project manager

**Contact Information:**

Business, W. P. Carey School of  
 WPC Graduate Programs  
<https://wpcarey.asu.edu/mba-programs/full-time>  
 MCRD 352  
 wpcareymasters@asu.edu  
 480-965-3332

**Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)**

**Online Degree Search Title:** Computer Information Systems, PhD

**Campus:** Tempe

**Program Description:**

The Department of Information Systems offers a computer information systems concentration within the W. P. Carey PhD in business administration. The objective of the full-time program is to prepare scholars for careers at leading research-focused educational institutions.

This program allows doctoral students to participate in ongoing research projects in conjunction with faculty members in the department. W. P. Carey faculty and doctoral students present their research at leading national and international conferences and publish their research in academic journals.

Research topics include business analytics and big data, health care IT, IT-enabled services and process innovation, information economics and strategy, security and privacy, and social media and e-commerce and mobile platforms. In addition to publishing in top information systems journals, doctoral students are often published in leading journals in other disciplines, including accounting, economics, finance, health care management, marketing, managerial decision-making, operations management and strategic management.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

**Plan of Study**

The doctoral program consists of a minimum of 84 credit hours of graduate-level coursework beyond the bachelor's degree. A minimum of 42 credit hours of doctoral coursework and 12 credit hours of dissertation credits are required to be taken at Arizona State University's Tempe campus. At the department's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their program committees to determine an appropriate plan of study. Common areas of specialization for doctoral studies include:

- business analytics and big data
- health care information technology
- information economics and strategy
- IT-enabled services and process innovation
- security and privacy
- social media, e-commerce and mobile platforms

**Comprehensive Examinations**

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examination. At minimum, the comprehensive examination consists of a minimum of a written exam, and an oral exam may also be required by the academic unit.

**Candidacy**

Doctoral students are notified of achieving candidacy status by receipt of a letter from the Dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

**Dissertation Requirements**

Students are required to present a dissertation to satisfy the research requirement for the doctoral degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit, such as 795 Continuing Registration, during the semester, including summer session, in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policies and procedures.

#### Maximum Time Limit

Doctoral students must complete all program requirements within 10 consecutive years.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT score
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants whose native language is not English must submit scores from the TOEFL. For more information on requirements, students should review the program's website. They should also review the Graduate College website for specific ASU admission requirements.

A master's degree or MBA is recommended (30 credit hours may count toward the minimum total of 84 hours of coursework in the doctoral program). At least two years of full-time related work experience is recommended.

Doctoral students admitted to the W. P. Carey School of Business must have demonstrated competency in mathematics, strong quantitative ability, competency in the use of computer technology for analytical purposes, and an undergraduate degree in a related field from an accredited university.

Applications are reviewed by the department's faculty committee using a portfolio approach. The committee reviews each individual application and examine all parts equally.

#### Career Opportunities:

A graduate of the doctorate in business administration with a concentration in information systems from the W. P. Carey School of Business is prepared for a career at leading research universities.

Career opportunity positions include:

- data scientist
- professor
- research professor

#### Contact Information:

Business, W. P. Carey School of  
Business Administration

<https://wpcarey.asu.edu/information-systems-degrees/doctoral/overview>

BA 301P

wpcareyis@asu.edu

480-965-3252

## Business Administration (Finance), PHD (BAFINANPHD)

**Online Degree Search Title:** Finance, PhD

**Campus:** Tempe

#### Program Description:

The primary objective of the PhD in business administration with a concentration in finance is to train students for careers as professors of finance at major research universities.

The program provides a challenging course of study in the most recent developments in both the theoretical and empirical aspects of financial economics. This course of study, along with work in economics and statistics, serves as preparation for the understanding and critical analysis of current issues in finance.

Students in the program learn from thought leaders in their respective fields and draw on the resources of America's largest public university. Doctoral students work with distinguished faculty who comprise one of the most productive research groups in the world. Recent surveys of research productivity rank the Department of Finance among the best in the world for research output in the top journals. The faculty produce cutting-edge empirical research in the areas of equity markets, corporate finance, organization structure, international finance, financial institutions and asset pricing. The program is relatively small, promoting faculty-student mentoring relationships; doctoral students receive personal attention.

The program seeks highly capable students with strong academic backgrounds and preferably with work experience.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

#### **Plan of Study**

At least 30 credit hours of the approved doctoral degree program, which may include research credit, and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or at another institution toward this doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 relevant credit hours from a previously awarded master's degree toward their doctoral plan of study.

#### **Comprehensive Examinations**

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of the comprehensive examination. At minimum, the examination consists of a written exam, and an oral exam also may be required by the academic unit.

#### **Candidacy**

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

#### **Dissertation Requirements**

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or for one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policy and procedures for the Doctor of Philosophy.

#### **Maximum Time Limit**

Doctoral students must complete all program requirements within 10 consecutive years.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three academic letters of recommendation
- scores from the GMAT or GRE
- a brief statement of their career objectives
- a resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The minimum TOEFL requirement is a score of 550 (PBT) or 80 (iBT). An iBT score of 26 is required on the ASU Speaking Proficiency English Assessment Kit for applicants who wish to apply for teaching associateships.

Admission to the PhD program in business administration with a concentration in finance is granted to applicants who present convincing evidence of high-order analytical skills, intellectual curiosity and the ability to work independently in pursuing scholarly research. Applicants should possess the intellectual curiosity and discipline required for original inquiry.

While many accepted students have an MBA or MS in a business-related field, others have a background in other areas, such as engineering, economics, mathematics or physics.

#### Career Opportunities:

Graduates with a W. P. Carey doctorate in finance embark on careers in research and academia.

Careers opportunities include:

- assistant professor
- professor
- researcher

#### Contact Information:

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/finance-degrees/doctoral>

BAC 501

wpcareyfin@asu.edu

480-965-3131

## Business Administration (Information Systems Management), MBA (BAISMMBA)

**Online Degree Search Title:** Business Administration (Information Systems Management), MBA

**Campus:** Tempe

Students interested in the Information Systems Management concentration should apply directly to the full time W. P. Carey MBA program (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BAFULLMBA/graduate/false>).

#### Program Description:

In order to be effective business operators, students who graduate from the W. P. Carey MBA program must be prepared with foundational knowledge of how to manage data and enterprise information. The information systems management concentration extends this foundational knowledge that all students receive by helping them build the additional technical skills needed by business professionals who aspire to work specifically in the information technology department of the enterprise.

The program educates students in the strategic use of technology to create shareholder value and provides them with an outstanding foundation of technical and managerial expertise. Students develop skills in enterprise modeling, database systems, electronic commerce, data warehousing and business process analysis.

The information systems management concentration program graduates are prepared to help shape organizations in a rapidly changing, globally competitive, technologically sophisticated environment.

#### Degree Requirements:

60 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)

LES 582 Ethical Issues for Managers (1.5)

Concentration (9 credit hours)

CIS 502 Information Systems: Digital Innovations and Transformation (3)

CIS 510 Business Process and Workflow Analysis (3)

CIS 545 Managing Enterprise Systems (3)

Electives or Research (46.5 credit hours)

Culminating Experience (3 credit hours)

MGT 589 Strategic Management (3)

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, must be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

#### **Career Opportunities:**

The Master of Business Administration program with a concentration in information systems management includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

Career examples include:

- business intelligence analyst
- computer systems architect
- information security analyst
- IT project manager

#### **Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/mba-programs/full-time>

MCRD 352

wpcareymasters@asu.edu

480-965-3332

## **Business Administration (Management), PHD (BAMGMTPHD)**

**Online Degree Search Title:** Management, PhD

**Campus:** Tempe

#### **Program Description:**

The Department of Management and Entrepreneurship offers students the opportunity to obtain a PhD in business administration with a concentration in management. The doctoral program places primary emphasis on the development of research competence and also emphasizes teaching as a vehicle to academic professionalism. It is not intended for those seeking careers in industry or consulting.



The mission of the program is the development of scholars who are prepared to assume the diverse responsibilities of faculty positions at leading research universities. Although management is a broad field, this doctoral program is best suited for students interested in specializing in organizational behavior, strategic management or organization theory.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

**Plan of Study**

At least 30 credit hours of the approved doctoral program, which may include research credit, and 12 dissertation hours must be completed after admission to the doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Doctoral students are required to commit full time to the program, at least until they have successfully defended the dissertation proposal. Full-time enrollment entails a minimum of six hours of coursework in any regular academic semester. To reach a total of 84 credit hours for the program, most students enroll for nine to 12 credit hours per semester. In addition, students work closely with faculty members through a research assistantship. The program is relatively small, with an emphasis on high quality, offering a great deal of individual attention and mentoring to students.

**Comprehensive Examinations**

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

**Candidacy**

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation proposal.

**Dissertation Requirements**

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit during the semester (including summer sessions) in which the student defends the dissertation.

**Maximum Time Limit**

Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT scores
- prior academic performance records
- three letters of recommendation
- a personal statement
- employment summary
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Graduate Admission Services admits or denies each applicant and notifies them in writing.

**Career Opportunities:**

The doctorate in business administration in the W. P. Carey School of Business prepares graduates for careers at leading research universities. Possible career opportunities include:

- assistant professor
- professor
- researcher

**Contact Information:**

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/management-degrees/doctoral>

BA 318

wpcareymgt@asu.edu

480-965-3431

## Business Administration (Marketing), PHD (BAMARKPHD)

**Online Degree Search Title:** Marketing, PhD

**Campus:** Tempe

**Program Description:**

Each doctoral student receives a comprehensive, broad-based education in marketing concepts and research techniques.

Further, students at ASU have the ability to specialize in one of three research domains: consumer behavior, quantitative marketing models or service strategy. Students do not need to declare a specialization during the application process, but if known, applicants can indicate their intended specialized direction of study. It is expected that by the end of their first year, students will commit to one of these three domains.

This program is not intended for people who want to work in industry positions. It is a full-time program only. All students complete a core curriculum yet tailor their work to achieve personal goals. The program is typically completed in five years.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

**Plan of Study**

At least 30 credit hours of the approved doctoral program, which may include research credit, and 12 dissertation hours must be completed after admission to the doctoral program. A student may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the academic unit's discretion, a student may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

**Comprehensive Examinations**

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

**Candidacy**

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation proposal.

**Dissertation Requirements**

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit, such as MKT 795 Continuing Registration, during the semester (including summer session) in which the student defends the dissertation.

Students should refer to the Graduate College policies and procedures for detailed information regarding the university's doctoral degree requirements.

**Maximum Time Limit**

Doctoral students must complete all program requirements within 10 consecutive years. Any exception must be approved by the supervisory committee and the dean of the Graduate College.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE scores
- prior academic performance records
- letters of recommendation
- a personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between the student's goals and research interests and those of the department. Recommendations for action are then made to Graduate Admission Services, which admits or denies each applicant and notifies them in writing.

**Career Opportunities:**

W. P. Carey doctorate graduates embark on careers in research and academia, learning from thought leaders in their respective fields and gaining the resources of America's largest public university.

Careers opportunities include:

- assistant professor
- professor
- researcher

**Contact Information:**

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/marketing-degrees/doctoral>

BAC 460

wpcareymkt@asu.edu

480-965-3621

## Business Administration (Supply Chain Management), PHD (BASCMPHD)

**Online Degree Search Title:** Supply Chain Management, PhD

**Campus:** Tempe

**Program Description:**

Supply chain management incorporates the core areas of logistics management, operations management and supply management. The PhD program in business administration with a concentration in supply chain management is a full-time residential program for students whose career goals are full-time university research and teaching. The curriculum guides students in conducting high-quality research and teaching at the university level.

Students are trained to develop the capability to recognize problems related to supply chain management and frame these problems into research questions which are then addressed in a scholarly way, and they are required to review, analyze, conduct and publish research. They are prepared to do this through a series of doctoral seminars and research methods courses and by participating in active research projects. Students also develop their teaching skills through assignments as teaching assistants or instructors. Teaching assignments typically take place during the last two years of the program.

This program is designed to be completed in four years.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral program requires the completion of coursework, the completion of academic papers for submission to journals, a comprehensive exam and a dissertation. The program is generally viewed as a four-year process. Most students serve in research assistantships for all four years. During the program, students are expected to actively participate in required courses as well as in seminars and presentations from colleagues, department faculty and visiting scholars. Students also have the opportunity to teach courses during their doctoral program. Teaching assistantships typically are made available during the last two years of the program. This allows doctoral degree students to get research projects and manuscripts into the multiyear pipeline typical of accepted research articles. Through areas of excellence, centers and the faculty, the supply chain management program has special opportunities for industry-based research projects.

**Coursework**

The program consists of a minimum of 84 credit hours of approved graduate coursework beyond the bachelor's degree. The department requires doctoral students to take 48 credit hours of graduate coursework in residence at ASU during their first two years. The specific classes must be approved by faculty members in the students' areas of excellence. Students are also required to take 12 hours of research and 12 hours of dissertation credit. A maximum of 12 credit hours can be transferred from previous graduate coursework. Moreover, students' plans of study must be approved in advance by their program chair.

**Academic Papers**

Students are expected to work on academic papers for submission to journals during their doctoral program. Summer months are intended for manuscript writing for those students who have yet to successfully defend their dissertation proposals. At the end of each summer, all doctoral students are required to have at least one new manuscript ready for submission to a journal for publication. Faculty in the areas of excellence supervise manuscript planning and writing. The bulk of the writing is done during the summer by the students. Faculty in the students' areas of excellence evaluate the papers and provide detailed feedback and instructions for rewriting of papers.

**Comprehensive Examinations**

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

**Candidacy**

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

**Dissertation Requirements**

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including a summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College's policies and procedures.

**Maximum Time Limit**

Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE scores
- prior academic performance records
- letters of recommendation
- a personal statement

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Recommendations for action are then made to Graduate Admission Services, which admits or denies each applicant and notifies them in writing.

#### Career Opportunities:

W. P. Carey doctoral graduates embark on careers in research and academia, learning from thought leaders in their respective fields and gaining the resources of America's largest public university.

Careers opportunities include:

- assistant professor
- professor
- researcher

#### Contact Information:

Business, W. P. Carey School of

Business Administration

<https://wpcarey.asu.edu/supply-chain-management-degrees/doctoral>

BA 446

wpcarey.scm@asu.edu

480-965-6044

## Business Analytics, MS (BABUSANMS)

**Online Degree Search Title:** Business Analytics, MS

**Campus:** Tempe, ASU@Los Angeles, Online

#### Program Description:

Delivered by the highly ranked W. P. Carey Departments of Information Systems and Supply Chain Management, the STEM-designated MS program in business analytics builds on quantitative skills and knowledge needed to advance on the analytics career ladder.

Data is becoming vital to today's world, making business analytics specialists one of the most valuable careers. Students learn to extract value from data, lead data-driven projects and create an overall impact within business organizations.

Two pathways are available for the master's degree program in business analytics. The first pathway is the nine-month full-time program, and it is designed for individuals who want to immerse themselves in full-time graduate studies. The second is the online delivery option in which students deepen their skills in business analytics and learn more about evolving topics in this field. This option is designed for busy working professionals seeking to continue working full-time while attending school.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

Los Angeles location: Currently, programs of study are offered in a hybrid learning model. Select courses are offered through in-person instruction in the Herald Examiner building. The majority of courses are offered virtually from Arizona through a combination of synchronous and asynchronous learning technologies. Students should consult their advisor and schedule of classes for additional information.

#### Concurrent Degrees:

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: W. P. Carey MBA - Full-Time Program

#### Degree Requirements:

30 credit hours including the required applied project courses (SCM 593 and CIS 593).

Required Core (6 credit hours)

CIS 508 Data Mining I (3)  
SCM 517 Data-Driven Quality Management (3)

Restricted Electives (21 credit hours)

CIS 505 Introduction to Enterprise Analytics (3)  
CIS 509 Data Mining II (3)  
CIS 515 Business Analytics Strategy (3)  
CIS 560 IT Services and Project Management (3)  
MKT 591 Topic: Marketing Analytics (3)  
SCM 516 Descriptive and Predictive Supply Chain Analytics (3) or WPC 501 Statistics for Business (2.5)  
SCM 518 Analytical Decision Modeling I (3) or SCM 515 Decision Models for Supply Chain Management (3)  
SCM 519 Analytical Decision Modeling II (3)  
SCM 587 Project Management (3)

Culminating Experience (3 credit hours)

CIS 593 Applied Project (1.5)  
SCM 593 Applied Project (1.5)

Additional Curricular Information

Students choose courses totaling at least 21 credit hours from the restricted electives list. If approved by the academic unit, other courses may be used.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letter or recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department website.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-business-analytics/>)

#### **Career Opportunities:**

The Master of Science program in business analytics includes the essential academic preparation for roles that derive value from data and modeling, lead data-driven analyses and create critical business advantages.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for Business Intelligence Analysts is projected to grow between 7% and 10% between 2018 and 2028, faster than average.

Career examples include:

- business intelligence analyst
- computer database architect

- data analyst
- IT project manager

**Contact Information:**

Business, W. P. Carey School of  
 WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs/business-analytics>  
 MCRD 350  
 wpcareymasters@asu.edu  
 480-965-3332

**Economics, PHD (BAECONPHD)**

**Online Degree Search Title:** Economics, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in economics provides rigorous training in microeconomic theory, macroeconomic theory, applied economics and econometrics. Additionally, students may select a primary area of specialization for study:

- applied microeconomics
- econometrics
- economic theory
- environmental and resource economics
- financial economics
- macroeconomics

This full-time doctoral program prepares students for teaching and research positions at four-year institutions of higher education and for research positions in public agencies or private business organizations.

The program is relatively small in size, with about 45 doctoral students in residence at any time. This low student-to-faculty ratio affords greater faculty attention and mentoring than larger programs. Students become valued members of the department, involved in teaching, research and seminar activities.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

In addition to completing 60 credit hours beyond the bachelor's degree (30 credit hours beyond the master's degree) and 24 credit hours of research and dissertation, the doctoral student must accomplish five tasks:

- meet the qualifying examination requirement
- present at least one area of emphasis
- pass the comprehensive examination (both written and oral components)
- pass the dissertation proposal defense
- complete a dissertation with an oral defense

Students should see the Department of Economics graduate student handbook for details concerning these tasks.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The Department of Economics requires applicants to send official scores from the GRE directly to Graduate Admission Services. Applications are not reviewed until the GRE scores are received.

The admission policy weighs several factors, including letters of reference, overall GPA, GRE scores and performance in selected mathematics and economics courses. There are no absolute standards for any of the factors, but performance on each clearly should suggest academic potential that is far above those of the normal undergraduate student.

Admission guidelines are available on the Graduate Admission Services website. Applicants should see the program website for application deadlines and admission terms.

#### Career Opportunities:

W. P. Carey economic doctorate graduates embark on careers in research and academia, learning from thought leaders in their respective fields and gaining the resources of America's largest public university.

Career opportunities include:

- assistant professor
- economist
- research associate

#### Contact Information:

Business, W. P. Carey School of

Department of Economics

<https://wpcarey.asu.edu/economics-degrees/doctoral>

CPCOM 412

econ.phd@asu.edu

480-965-3531

## Finance, MS (BAFINMS)

**Online Degree Search Title:** Finance, MS

**Campus:** Tempe

#### Program Description:

In only nine months, students in the MS program in finance develop deep expertise in corporate finance and asset or portfolio management and are equipped with the tools needed to manage complex financial institutions. The program is one of the few advanced finance degrees offered by a top-ranked business school, providing a foundation in business and finance. Students have access to world-renowned faculty, motivated classmates and personalized career resources.

Faculty members bring cutting-edge research and decades of real-world experience into the classroom. Classes are offered full-time, during the week, utilizing a lock-step course format allowing students to build on concepts throughout the program. Upon completion of the program, students can graduate with a Chartered Financial Analyst® designation.

Curriculum, schedule and format, faculty and a top-ranked business school: It all adds up to a degree with real value. The W. P. Carey Master of Science in finance delivers the financial qualifications increasingly sought by employers within the corporate finance industry.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

#### Concurrent Degrees:

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: W. P. Carey MBA - Full-Time Program

#### Degree Requirements:

32 credit hours including the required capstone course (FIN 575).



Required Core (26-27 credit hours)

ACC 502 Financial Accounting (2.5 or 3)

FIN 502 Managerial Finance (2.5 or 3)

FIN 509 Quantitative Methods in Finance I (3)

FIN 525 Investment Strategies (2.5)

FIN 530 Derivatives (2.5)

FIN 535 Quantitative Methods in Finance (3)

FIN 545 Advanced Corporate Finance (2.5)

FIN 550 Fixed Income (2.5)

FIN 560 International Finance (2.5)

FIN 565 Risk Management in Banks and Financial Institutions (2.5)

Other Requirement (2.5 credit hours)

FIN 555 Entrepreneurial Finance (2.5) or FIN 591 Topic: AI and Machine Learning Applications in Finance (2.5)

Electives (0-1 credit hours)

Culminating Experience (2.5 credit hours)

FIN 575 Finance Capstone (2.5)

Additional Curriculum Information

To account for the difference in the numbers of credit hours offered in the core courses, one credit hour of electives may be required.

For other requirements, substitutions may be allowed with approval of the academic unit.

The schedule follows the seven-week quarterly schedule of the MBA program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or masters degree from a regionally accredited institution in business and management, economics, statistics, computer science or other types of science, engineering, technology and mathematics degree areas.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- short answer questions
- current resume
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

There are two main audiences for the master's degree program: first, recent undergraduates from business, economics or related majors or from programs where quantitative skills have been emphasized; and second, career advancers who have strong quantitative skills and seek to adapt those skills to be more competitive in the job market. Career advancers must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.

This program is appropriate for students who have completed undergraduate programs with quantitative underpinnings, at either ASU or other universities.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

**Career Opportunities:**

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for financial analysts is projected to grow 4% to 6% between 2018 and 2028.

The Master of Science program in finance includes the essential academic preparation for students who are interested in pursuing professional careers in corporate finance, risk management, money management, financial planning, investment banking, consulting or real estate.

Career examples include:

- budget analyst
- financial analyst
- financial manager
- investment specialist

**Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/masters-programs/finance>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## Global Financial Management, DBA (BAGFMDBA)

**Online Degree Search Title:** Global Financial Management, DBA

**Campus:** Tempe

**Program Description:**

China is globalizing at an astonishing rate. This pace of change is profoundly affecting not only China's domestic situation, but also the global economy.

The DBA in global financial management is an applied professional doctorate designed for senior corporate leaders and government officials in China seeking a terminal degree alternative to the traditional PhD intended for those pursuing an academic career. The leaders emerging from this program are prepared to transform China's economic structure, its financial markets and shape the future of China's leadership roles in the global economy of the 21st-century.

All such initiatives depend on the development of human capital, for it is the catalyst for all. Hence, the Doctor of Business Administration program is designed to sustain and amplify leaders who aspire to affect transformative changes in this exciting and dynamic global environment.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

DBA 702 Global Financial Systems: Markets and Institutions (3)

DBA 703 Global Financial Systems-Institutional Investing (3)

DBA 705 Global Corporate Strategy (3)

DBA 708 Challenges of Corporate Finance and Governance (3)

Electives (21 credit hours)

Research (9 credit hours)

Culminating Experience (12 credit hours)

DBA 799 Dissertation (12)

Additional Curriculum Information

Thirty credit hours from a previously awarded master's degree may be applied to this degree.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned from a regionally accredited college or university of recognized standing a degree

in Master of Business Administration, Master of Economics, Master of Finance, Master of Accountancy or a related field of specialization in business.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

#### Additional Application Information

Proficiency in English is not required.

Official bachelor's and master's degree transcripts should be submitted listing all coursework in both the native language and official English translation.

This degree is offered in China only. All applicants are required to contact the program coordinator before submitting the online graduate admission application.

#### Career Opportunities:

The Doctor of Business Administration program in global financial management includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

#### Contact Information:

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/international-programs/china/english/dba/overview>

BA 304C

WPCareydba@asu.edu

480-965-1870

## Global Logistics, MS (BAGLSMS)

**Online Degree Search Title:** Global Logistics, MS

**Campus:** West

#### Program Description:

Classes for the nine-month master's in global logistics are offered in a full-time, weekday format. The full-time curriculum, with courses offered during the day, provides specialized knowledge and practical perspectives on global operations, logistics and multicultural approaches, thus preparing graduates for a growing career field. Students in this program have access to world-renowned faculty, motivated classmates and personalized career resources. Students will build a foundation for a growing global field through curriculum developed by one of the leading supply chain management departments in the country.

A recent \$15 million investment by the W. P. Carey Foundation in career services provides students with an opportunity to meet with a wide range of employers along with excellent career coaches and the tools to help students thrive in their careers.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

#### Degree Requirements:

30 credit hours including the required applied project course (SCM 593).

Required Core (27 credit hours)

MGT 502 Organizational Behavior (3)

SCM 502 Operations and Supply Chain Management (3)

SCM 515 Decision Models for Supply Chain Management (3)

SCM 516 Descriptive and Predictive Supply Chain Analytics (3)

SCM 520 Strategic Procurement (3)

SCM 532 Supply Chain Cost and Design Issues (3)

SCM 541 Logistics in the Supply Chain (3)  
SCM 542 Logistics, Globalization and Economic Development (3)  
SCM 545 Cases in Global Logistics (3)

Culminating Experience (3 credit hours)  
SCM 593 Applied Project (3)

#### Additional Curriculum Information

The schedule follows a combination of ASU scheduling options. Three courses will follow schedule C and has a semester-long duration. The other seven courses follow the 7.5-week quarterly schedule of the MBA program. Those courses require some online and extra class time to meet the 40 contact hours standard of The Association to Advance Collegiate Schools of Business.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in business and management, computer information systems, economics and other types of global studies or similar degree areas.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- essays
- GMAT or GRE test scores
- one letter of recommendation
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

There are two main audiences for the master's degree program: recent undergraduates from logistics-related majors and career advancers with a background in supply chain management and operations whose skills can be expanded to include a broader global context and exposure to emerging markets. Students must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.

This program is appropriate for applicants who have strong quantitative skills and seek to adapt those skills to be more competitive in the job market.

All applicants must submit either the GMAT or GRE. For more information on GMAT, students should visit <http://www.mba.com> (<http://www.mba.com>). For GRE, they should see [www.ets.org/gre](http://www.ets.org/gre) (<http://www.ets.org/gre>). Applicants should expect to score above 600 on the GMAT to be competitive.

There is no requirement for a foreign language exam for this program.

#### Career Opportunities:

The MS program in global logistics includes the essential academic preparation for students who are interested in pursuing professional careers with an international perspective in logistics, supply chain and global operations.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for logistics managers is projected to grow 4 to 6% between 2018 and 2028.

Career examples include:

- logistics manager
- logistics analyst
- supply chain analyst
- transportation manager

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs/global-logistics>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## Information Systems Management, MS (BAINFOMS)

**Online Degree Search Title:** Information Systems Management, MS

**Campus:** Tempe, Online

**Program Description:**

The STEM-designated Master of Science program in information systems management is consistently ranked top 15 in the nation by U.S. News & World Report.

Building off a rigorous core curriculum, students use the degree specializations to deepen their problem-solving and, ultimately, leadership skills.

Students can choose a focus in data analytics, cloud or tech consulting to add greater value to their degree and to align it with their career goals.

Through the latest techniques and methodologies, hands-on experience and relevant case studies, students discover how digital innovations, data analytics and information systems are transforming business.

With the STEM-designation, the master's degree program in information systems management allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional real-world skills and experience in the U.S.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Legal Studies, MLS  
W. P. Carey MBA - Full-Time Program

**Degree Requirements:**

30 credit hours including the required capstone course (CIS 575).

Required Core (3 credit hours)

CIS 565 Artificial Intelligence and Business (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)

CIS 575 Emerging Technologies (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- short-answer questions
- two letters of recommendation

- GMAT or GRE test scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants are expected to have two years of full-time related work experience and prerequisite college-level courses or equivalent experience in statistics, brief calculus and a programming language.

Complete application instructions may be obtained from the department's website.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-management-information-systems/>)

#### Career Opportunities:

The Master of Science program in information systems management includes the essential academic preparation for students who are interested in pursuing professional careers in diverse industries, utilizing skills in big data, cloud and tech consulting.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states employment for IT project managers is projected to grow 7-10% between 2018 and 2028.

Career examples include:

- business intelligence analyst
- computer systems architect
- information security analyst
- IT project manager

#### Contact Information:

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/masters-programs/information-management>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## Innovation and Venture Development, MS (HIIVDMS)

**Online Degree Search Title:** Innovation and Venture Development, MS

**Campus:** Tempe

#### Program Description:

The MS program in innovation and venture development integrates the most advanced practices and technologies from business, engineering and design in a transdisciplinary, experience-based program that prepares the next generation of leaders with skills needed for launching successful ventures in any industry or sector, inside existing organizations or as new entities.

Graduates are prepared to lead cross-disciplinary teams in a world of growing uncertainty and ambiguity. They can identify needs and evaluate opportunities, generating insights from real world problems; innovate solutions; and create and launch scalable business models that provide value to all stakeholders. Founders with this innovation and venture development degree from ASU can define a new standard for venture development.

#### Degree Requirements:

30 credit hours including the required capstone course (IVD 661).

Required Core (18 credit hours)

IVD 525 Fundamentals of Entrepreneurial Leadership (3)

IVD 560 Innovation Studio I: Discovery and Insight (3)

IVD 561 Innovation Studio II: Problem Reframing (3)

IVD 562 Innovation Studio III: Explore, Fail, Solve (3)

IVD 630 Scaling Entrepreneurial Leadership (3)

IVD 660 Innovation Studio IV: Business Model (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)

IVD 661 Innovation Studio V: Scale (6)

Additional Curriculum Information

Students should see the academic unit for a list of approved elective coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College, the Herberger Institute for Design and the Arts, the Ira A. Fulton Schools of Engineering and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in business, design, engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The applicant's written statement should describe an instance from the professional background outlining the applicant's use of innovation and entrepreneurial experience.

**Career Opportunities:**

Career opportunities include:

- chief innovation officer
- creative developer
- director of engineering
- founder or CEO
- innovation manager
- management consultant
- marketing director
- product developer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Dean, Herberger Institute for Design and the Arts

<https://design.asu.edu/>

CDN 162

msivd@asu.edu

480-965-3536

## Management, MS (BACMRMS)

**Online Degree Search Title:** Management, MS

**Campus:** Tempe

**Program Description:**

Arizona State University's MS in management, offered by the W. P. Carey School of Business, is an innovative business degree program providing new liberal arts, science, engineering and other nonbusiness graduates with the intellectual and professional skills needed to succeed in today's business environment. This one-year program is designed to develop critical thinking skills, as applied to fundamental business procedures and processes, and leadership skills. It is also designed to bridge the gap between academic preparation and real-world business applications.

Designed for graduates of nonbusiness programs with fewer than two years of work experience, students will have the capability and motivation to rapidly progress in any profession where business plays an important role. The management program differs substantially from a traditional MBA program in that no work experience is required for admission and the coursework is completed in one year, giving a broad overview of the essentials of managerial decision-making.

Three distinct components of the Master of Science program in management prepare students to immediately add value and lead in all types of business environments: core business courses that deliver necessary business skills through integrative cases, project-based learning and teamwork; leadership courses that develop understanding of strategic vision, instituting change, information systems, and the role and importance of sustainability; and a culminating experience that bridges the gap between academic learning and real-world business application.

#### **Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Legal Studies, MLS

#### **Degree Requirements:**

36 credit hours including the required applied project course (MGT 593).

##### Required Core (28.5 credit hours)

ACC 501 Fundamentals of Financial Accounting (1.5)  
ACC 504 Fundamentals of Managerial Accounting (1.5)  
ECN 504 Fundamentals of Managerial Economics (3)  
FIN 501 Basics of Finance: The Art of Managing Resources to Create Value (3)  
LES 586 Fundamentals of Ethical Issues for Managers (1.5)  
MGT 501 Fundamentals of Organizational Behavior (3)  
MGT 528 Basics of Mastering the Art of Influence and Negotiations (3)  
MGT 586 Fundamentals of Strategic Management (1.5)  
MKT 501 Fundamentals of Marketing Management (3)  
SCM 501 Basics of Operations and Supply Management (3)  
SCM 587 Project Management (1.5)  
WPC 504 Fundamentals of Statistics for Managers (3)

##### Other Requirements (3 credit hours)

MGT 591 Topic: Business Communication (1.5)  
WPC 594 Topic: Job Search Strategies (1.5)

##### Culminating Experience (4.5 credit hours)

MGT 593 Applied Project Consulting Project Capstone (3) AND  
MGT 593 Applied Project Consulting Project Lab (1.5)

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.0 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE or GMAT test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.



The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

#### **Career Opportunities:**

The Master of Science in management includes the essential academic preparation for students who are interested in pursuing professional careers in diverse roles and industries, focusing on practical, universal business knowledge.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states that management analysts will have a much faster than average growth between 2018 and 2028 at 11% or higher.

Career examples include:

- human resources specialist
- logistics manager
- marketing associate
- sales manager

#### **Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/masters-programs>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## **Management, MS (BAMCCMS)**

**Online Degree Search Title:** Management in China/Corporate, MS

**Campus:** Tempe

#### **Program Description:**

The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. The MS custom corporate program in China is designed for participants of a single company in China. Upon successful completion of the program curriculum, a participant is granted an ASU Master of Science degree in management through the W. P. Carey School of Business.

The curriculum is designed to leverage participants' existing strengths in a chosen management concentration and it provides intensive knowledge on managerial decision-making and strategic formulation. Accordingly, the curriculum is designed with a strong transdisciplinary focus while achieving cycle time efficiency. At the core of the curriculum delivery is emphasis on practical applications with direct business connectivity. A noteworthy feature of the curriculum is its integration of global practices and local market characterizations to enable participants' ability to excel in the modern economy.

The hallmarks of prestigious programs include two key elements: the faculty and the students. No other master of science program in China offers a more impressive list of faculty or students than the W. P. Carey China program. The faculty includes renowned faculty from W. P. Carey School of Business as well as from other prestigious American business schools.

#### **Degree Requirements:**

36 credit hours including the required capstone course (MGT 588).

The curriculum consists of 12 courses, concentrating on management. It is a world-class master's degree program with immersion in financial accounting, managerial finance, statistics and economics, marketing management, organizational theory and behavior, human resources management, supply chain management and information technology management.

All students must successfully complete the comprehensive requirement for Master of Science graduates established by the W. P. Carey School of Business and the Graduate College. As a lock-step program, there are no opportunities for participants to make up missed courses or to substitute courses. Therefore, students must complete all 12 courses before graduation with a grade of "B" or higher (3.00 on a scale of 4.00) for each course to satisfy the comprehensive requirement. A thesis is not required.

#### **Admission Requirements:**

The Master of Science custom corporate program in China requires that students be nominated into the program by the company, and it is only delivered in China. Applicants are required to contact the program coordinator before submitting the online graduate admission application.

**Career Opportunities:**

The Master of Science in management program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/international-programs/china/english>  
MCRD 375DD  
WPCareyMiMChina@asu.edu  
480-965-4203

## Real Estate (Certificate), Certificate (BAREAGRCT)

**Online Degree Search Title:** Real Estate (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The real estate graduate certificate encompasses foundational courses in real estate education including valuation, investment, finance, law and development. The program is intended to supplement students' major area of study and provide the understanding necessary for critical thinking and application within the field of real estate. The certificate does not apply to any outside licensing programs.

The curriculum includes a culminating experience that partners classroom knowledge with experiential learning to further develop the requisite skills students need to succeed as real estate professionals in the built environment.

**Degree Requirements:**

Required Core (2 credit hours)

RED 510 Real Estate Development Business and Project Management (2)

Electives (11 credit hours)

Culminating Experience (3 credit hours)

RED 514 Synthesis #2 Income Property Development (3)

Additional Curriculum Information

Students should see the academic unit for approved elective coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in law, architecture, landscape architecture, urban design, construction, civil engineering, marketing, geography, planning, finance, real estate or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/masters-programs/real-estate-development>

MCRD 150

wpcareymasters@asu.edu

480-965-8517

## Real Estate Development, MREDev (ARREMREDEV)

**Online Degree Search Title:** Real Estate Development, MRED

**Campus:** Tempe

**Program Description:**

Students participating in the W. P. Carey MRED program participate in group projects focused on real estate development in a collaborative class environment. Students learn to address the physical, legal, economic, political and financial conditions of property in order to find solutions and complete projects.

This transdisciplinary program is a partnership with the Sandra Day O'Connor College of Law, the Herberger Institute for Design and Arts and the Del E. Webb School of Construction.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Legal Studies, MLS

**Degree Requirements:**

36 credit hours including the required capstone course (RED 515).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The program is offered in an intense format covering two academic semesters. Students take required core course modules in a variety of formats, including:

- comprehensive module exams to assess aggregate knowledge
- face-to-face classroom instruction
- group work
- independent research
- synthesis projects
- topical quizzes
- weekly assignments

The business school does not accept graduate credits earned while students are in nondegree status or from courses taken prior to admission to the program or taken while enrolled in another program outside the W. P. Carey School of Business.

There is no foreign language requirement.

There is no thesis requirement.

All students must successfully complete the final synthesis project requirement established by the W. P. Carey School of Business and the Graduate College for the Master of Real Estate Development. The comprehensive culminating experience is integrated with RED 515 Capstone Project: Mixed Use Property Development. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the culminating experience requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all coursework completed at institutions other than ASU
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

MCAT or LSAT scores can be accepted in lieu of GMAT or GRE scores.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

**Career Opportunities:**

The Master in Real Estate Development program includes the essential academic preparation for students who are interested in pursuing professional careers in corporate finance, risk management, money management, financial planning, investment banking, consulting or real estate.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment in Real Estate is projected to grow 7% to 10% between 2018 and 2028, faster than average.

Career examples include:

- financial analyst
- real estate broker
- real estate manager
- regional planner

**Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/masters-programs/real-estate-development>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

**Supply Chain Management, MS (BASCMMMS)**

**Online Degree Search Title:** Supply Chain Management, MS

**Campus:** Online

**Program Description:**

The MS program in supply chain management prepares students for advancement in supply chain management careers across a broad diversity of industries and functions or to pursue careers in management, consulting, business development and supply chain management information technology. Students discover the technical elements of supply chain and learn how to manage the flow of products and the processes that generate them.

The program provides an understanding of the role the supply chain manager can play in an enterprise supply chain and in the overall strategy. The program exposes students to leading supply chain management operating practices, analysis methods, technology applications and strategy development.

**Degree Requirements:**

30 credit hours including the required capstone course (SCM 551).

Required Core (3 credit hours)

SCM 520 Strategic Procurement (3)

Electives or Research (24 credit hours)

Culminating Experience (3 credit hours)

SCM 551 Operations Planning and Execution (3)

Additional Curriculum Information

Students choose elective and research coursework from a restricted list. Students should see the academic unit for the approved course list. Other coursework may be use with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W.P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in business, engineering or sciences (such as math or statistics) or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

To be eligible for this program, applicants must have successfully completed the MITx MicroMasters® program in Supply Chain Management with an 80% or better: <https://www.edx.org/micromasters/mitx-supply-chain-management> (<https://www.edx.org/micromasters/mitx-supply-chain-management>)

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of recommendation
- letter of intent or written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Complete application instructions may be obtained from the department's website.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/supply-chain-management-ms/>)

**Career Opportunities:**

The Master of Science in supply chain management includes the essential academic preparation for students who are interested in pursuing professional careers in purchasing and procurement, operations or logistics.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for supply chain managers is projected to grow 4%  
Academic Catalog Archive 2021-2022

to 6% between 2018 and 2028.

Career examples include:

- logistics manager
- purchasing analyst
- supply chain manager
- supply chain analyst

**Contact Information:**

Business, W. P. Carey School of  
Department of Supply Chain Management  
<https://wpcarey.asu.edu/masters-programs>  
BA 445  
wpcareymasters@asu.edu  
480-965-3332

## Supply Chain Management (certificate), Certificate (BASCMCER)

**Online Degree Search Title:** Supply Chain Management (Graduate Certificate)

**Campus:** Online

ASU is not currently accepting applications for this program.

**Program Description:**

The certificate program in supply chain management is composed of courses with content that is tightly integrated and offers a comprehensive coverage of core topics in supply chain management.

The intended audiences for this certificate include working professionals who are graduates of general management undergraduate or graduate business programs who wish to supplement their degrees with focused, graduate-level courses in supply chain management. Students are either relatively new to supply chain management and desire a foundational knowledge of supply chain management complexities as well as a strong understanding of how companies leverage their supply chains to achieve competitive advantage, or they are experienced supply chain management professionals who wish to update their knowledge of current thinking and best practices through interaction with faculty engaged in broad-based research and consulting.

**Degree Requirements:**

15 credit hours including the required capstone course (SCM 532).

Required Core (12 credit hours)

- SCM 502 Operations and Supply Chain Management (3)
- SCM 520 Strategic Procurement (3)
- SCM 521 Supply Management and Negotiation (3)
- SCM 541 Logistics in the Supply Chain (3)

Culminating Experience (3 credit hours)

- SCM 532 Supply Chain Cost and Design Issues (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- evidence of a minimum of two years of full-time work experience
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### Contact Information:

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/supply-chain-management-degrees>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## Supply Chain Management and Engineering, MS (BASCMEMS)

**Online Degree Search Title:** Supply Chain Management and Engineering, MS

**Campus:** Online

ASU is not currently accepting applications for this program.

#### Program Description:

The MS in supply chain management and engineering is a two-year, 30 credit hour program for working professionals in supply chain management, industrial engineering or a related field. The program consists of 15 credit hours of courses from the Department of Supply Chain Management in the W. P. Carey School of Business and 15 credit hours from the industrial engineering program in the School of Computing, Informatics and Decision Systems Engineering in the Ira A. Fulton Schools of Engineering.

Most students have an undergraduate degree in a technical field, such as business, engineering or science. The objective is twofold: to provide students with knowledge of the fundamental foundations across the full spectrum of supply chain management functions and to provide them with the ability to use state-of-the-art engineering tools to analyze, control and optimize modern supply chains.

#### Degree Requirements:

30 credit hours including the required applied project course (SCM 593).

Required Core (27 credit hours)

Culminating Experience (3 credit hours)

SCM 593 Applied Project (3)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- GMAT or GRE test scores
- personal statement
- one letter of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The W. P. Carey School of Business and the Ira A. Fulton Schools of Engineering seek exceptional individuals who are working supply chain professionals or are in closely related fields. Applicants must be highly motivated and have strong intellectual capabilities. The admission committee looks for outstanding academic credentials, character qualities such as maturity, integrity and leadership, and diversity in perspectives and experiences.

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/masters-programs>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

**Taxation, MTax (BATAMTAX)**

**Online Degree Search Title:** Taxation, MTax

**Campus:** Tempe

**Program Description:**

The nine-month MTax program is delivered by the W. P. Carey School of Accountancy and is highly ranked by the Public Accounting Report. The cutting-edge curriculum is structured to provide students with an in-depth working knowledge of the highly technical and demanding skills required to provide tax and business advice in the private and public sectors. Esteemed faculty experts bring real-world experience into each class, giving the degree even more long-term value. Students gain preparation for their career through case-based courses and team assignments.

Students dive into taxation in greater depth. Five of the 10 courses are technical, with small classes and personalized instruction.

The Master of Taxation program is designed for individuals who want to immerse themselves in full-time graduate studies, take classes during the day and fulfill course requirements for the CPA exam in Arizona and in California. Because of the quality of the Master of Taxation program, students gain the skills and knowledge needed to launch their careers, while opening the door to top hiring firms.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- Legal Studies, MLS
- W. P. Carey MBA - Full-Time Program

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Accountancy, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required capstone course (ACC 589).

Required Core (3 credit hours)

ACC 571 Taxation of Corporations and Shareholders (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)

ACC 589 International Taxation (3)

**Additional Curriculum Information**

The Master of Taxation program is a nine-month, full-time, lock-step program that offers classes during the day and is completed in one academic year. Applicants must complete program prerequisites prior to admission to the program. Students should refer to the W. P. Carey graduate programs website for a current listing of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

**Admission Requirements:**



Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- answers to short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

In addition to the ASU graduate admission application, applicants also must submit all supplemental application materials required by the W. P. Carey Graduate Programs Office. Complete application instructions may be obtained from the department's website.

#### **Career Opportunities:**

The Master of Taxation includes the essential academic preparation for students who are interested in pursuing professional careers in public, corporate and governmental in tax and auditing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for Financial Analysts is projected to grow between 4 and 6% between 2018 and 2028.

Career examples include:

- budget analyst
- revenue agent
- tax auditor
- tax preparer

#### **Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/masters-programs/taxation>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## **W. P. Carey MBA, MBA (BACORPMBA)**

**Online Degree Search Title:** W. P. Carey MBA - Custom Corporate Program

**Campus:** ASU@MexicoCity

#### **Program Description:**

The custom corporate MBA program is designed for participants from a single company. Participants are nominated to attend the program by their company and receive a solid core curriculum with optional specializations.

The custom corporate Master of Business Administration program offers flexible part-time delivery modes using online, in-person and blended courses. Possible features that can be incorporated into the custom programs are company-specific applied projects, guest teaching from corporate leaders and intensive residential sessions.

#### **Degree Requirements:**

42 credit hours including the required capstone course (MGT 589).

The custom corporate MBA program requires that students be nominated into the program by the sponsoring company.

**Admission Requirements:**

Applicants must submit the graduate admission application, meet the Graduate College admission requirements, and meet the guidelines established by the custom corporate Master of Business Administration program.

**Career Opportunities:**

The Master of Business Administration program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/mba-programs/custom-corporate>  
MCRD 460  
wpcarey.execed@asu.edu  
480-965-7579

## W. P. Carey MBA, MBA (BAEVEAMBA)

**Online Degree Search Title:** W. P. Carey MBA - Fast-Track Program

**Campus:** Tempe

**Program Description:**

The purpose of the W. P. Carey MBA program is to provide a solid foundation and knowledge base in the core business disciplines to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions.

The curriculum is delivered in a case-based, team-oriented and discussion-style learning environment. Elective courses provide additional depth and breadth to enhance an area of emphasis, students' knowledge base and career goals. The fast-track Master of Business Administration is perfect for working professionals who need an MBA to advance in their careers. Classes are held two nights a week --- with online courses also available --- allowing students to graduate with an MBA in 12--18 months, depending on the student's incoming discipline.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

**Degree Requirements:**

30 credit hours including the required capstone course (MGT 589).

Required Core (3 credit hours)

LES 582 Ethical Issues for Managers (3)

Electives and research (24 credit hours)

Culminating Experience (3 credit hours)

MGT 589 Strategic Management (3)

Additional Curriculum Information

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey  
Academic Catalog Archive 2021-2022

School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge and skills. Elective courses build upon the business core and center on the further development of an optional area of emphasis. There may be additional requirements that vary by area of emphasis.

All students must successfully complete the comprehensive exam requirement established by the school of business and the Graduate College for the Master of Business Administration. The comprehensive exam is integrated with the MGT 589 Strategic Management capstone course culminating experience. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- current resume
- essays
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

In addition to having two years of work experience, successful applicants for the fast-track MBA will have earned a master's degree in a specific business discipline. If the previously earned master's degree is not from an AACSB-accredited school, GRE or GMAT test scores may be requested from applicant.

Applicants should see the department's website for more information.

#### **Career Opportunities:**

The Master of Business Administration program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for business managers is projected to grow between 4% and 11% between 2018 and 2028.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

#### **Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/mba-programs>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## W. P. Carey MBA, MBA (BAEVENMBA)

**Online Degree Search Title:** W. P. Carey MBA - Evening Program

**Campus:** Tempe

### **Program Description:**

The W. P. Carey School of Business MBA program provides a solid foundation and knowledge base in the core business disciplines; students develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. Through a comprehensive business curriculum taught by world-renowned faculty, the W. P. Carey evening Master of Business Administration program expands students' leadership skills and helps them immediately impact their organizations.

Students can personalize their Master of Business Administration through evening and online classes while earning their degree in two to four years. With a variety of electives and concurrent degree programs through partnership with other highly ranked ASU schools, students receive the competitive edge needed to reach their career goals. The curriculum is delivered in a case-based, team-oriented and discussion-style learning environment. Elective courses provide additional depth and breadth to enhance an area of emphasis, students' knowledge base and career goals.

The evening Master of Business Administration program is designed for working professionals seeking to continue working full time while attending school. The program starts in August and is completed in 21 months.

A W. P. Carey Master of Business Administration stands apart from many part-time MBA programs that offer a core business curriculum with very little specialization. With more than 40 electives, technical certificates and concurrent degrees, students can fit their Master of Business Administration with their passions, and pursue a degree at the same time. The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

### **Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Legal Studies, MLS

### **Degree Requirements:**

48 credit hours including the required capstone course (MGT 589).

Required Core (3 credit hours)

LES 582 Ethical Issues for Managers (3)

Electives (42 credit hours)

Culminating Experience (3 credit hours)

MGT 589 Strategic Management (3)

### **Additional Curriculum Information**

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an area of emphasis. There may be additional requirements that vary by area of emphasis. The program is completed in 21 months.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Applicants should see the department's website for more information.

#### **Career Opportunities:**

The Master of Business Administration program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for business managers is projected to grow between 4% and 11% between 2018 and 2028.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

#### **Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/mba-programs/part-time>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## **W. P. Carey MBA, MBA (BAEXECMBA)**

**Online Degree Search Title:** W. P. Carey MBA - Executive Program

**Campus:** Tempe

#### **Program Description:**

Ranked No. 12 in the world by The Economist, the executive master's in business administration is designed for senior leaders with increasing responsibility managing people, projects and budgets. The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business disciplines and to develop analytic capabilities and decision-making and leadership skill sets to effectively integrate decisions into the business environment.

Students learn how to refine their management skills and contribute more substantially to their organization and society. Classes meet one weekend per month on campus, convenient for travel from within Arizona and surrounding states. A summer experience in Washington, D.C. and an international practicum help students see the world of business in a new way.

The executive Master of Business Administration is completed in 21 months and is supported by each of the eight academic units within the W. P. Carey School of Business. The comprehensive approach equips students with:

- the fundamentals of business and the confidence to see projects to completion
- a data-driven mindset
- strategic leadership skills and exposure
- the understanding of public policy here and abroad

**Degree Requirements:**

48 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)

LES 582 Ethical Issues for Managers (1.5)

Electives and Research (43.5 credit hours)

Culminating Experience (3 credit hours)

Capstone: MGT 589 Strategic Management (3)

Additional Curricular Information

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside of the W. P. Carey School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The executive curriculum must be taken in the prescribed sequence and is augmented by a series of lectures on thought leadership and off-site learning programs, including a business and public policy course in Washington, D.C. An additional off-site course exploring issues and strategies in the global business environment is held in partnership with an international business school. The program is completed in 21 months.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- two letters of recommendation
- answers to short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, will be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

**Career Opportunities:**

The Master of Business Administration includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for business managers is projected to grow between 4% and 11% between 2018 and 2028.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/mba-programs/executive>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## W. P. Carey MBA, MBA (BAFULLMBA)

**Online Degree Search Title:** W. P. Carey MBA - Full-Time Program

**Campus:** Tempe

**Program Description:**

Highly ranked by U.S. News & World Report, the W. P. Carey full-time MBA program meets the rapid changes and new realities in business and prepares students to be adaptable in the face of the uncertainty and ambiguity of a rapidly changing global economy. This program prepares students for immediate success through a cutting-edge curriculum, dedicated career services and a supportive community.

In rethinking the way the world does business, the W. P. Carey School of Business is rethinking the way it is taught. This program is designed for individuals who want to immerse themselves in full-time graduate studies and take classes during the day. Small class size in the program supports individual learning, promotes student-faculty interaction and encourages personal and professional development.

The Master of Business Administration curriculum is rooted in transformation of both the students and current business practices and is supported by each of the eight academic units within the W. P. Carey School of Business. Group projects and access to different organizations give students the tools to graduate ready to make a difference in their community and in the world. Connect with internationally renowned faculty, who bring years of real-world experience and innovative research into the classroom. The W. P. Carey Master of Business Administration transforms students into leaders that can navigate circumstances filled with ambiguity.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- Accountancy, MACC
- Architecture, MArch
- Business Analytics, MS
- Finance, MS
- Information Systems Management, MS
- Juris Doctor, JD
- Legal Studies, MLS
- Taxation, MTax

**Degree Requirements:**

60 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)

LES 582 Ethical Issues for Managers (1.5)

Electives (55.5 credit hours)

Culminating Experience (3 credit hours)

MGT 589 Strategic Management (3)

Additional Curricular Information

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability as well as effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside of the W. P. Carey School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge. Elective or specialization courses build upon the business core and center on the further development of a specialization. There may be additional requirements that vary by specialization. The program is typically completed in two years, with a required internship in the summer between the first and second year of study.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with capstone course MGT 589 Strategic Management. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, must be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

#### **Career Opportunities:**

The Master of Business Administration program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for business managers is projected to grow between 4% and 11% between 2018 and 2028.

Career examples include:

- CEO
- finance manager



- marketing manager
- supply chain manager

**Contact Information:**

Business, W. P. Carey School of  
WPC Graduate Programs  
<https://wpcarey.asu.edu/mba-programs/full-time>  
MCRD 350  
wpcareymasters@asu.edu  
480-965-3332

## W. P. Carey MBA, MBA (BAONLINMBA)

**Online Degree Search Title:** W. P. Carey MBA - Online Program

**Campus:** Online

**Program Description:**

The W. P. Carey School of Business MBA program provides a foundation and knowledge base in the core business disciplines so students develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions.

Students develop their leadership skills wherever and whenever learning suits them best. With one core course at a time and flexible elective and concurrent degree options, the online Master of Business Administration allows students to focus on their studies while managing their career and their life.

Highly ranked by U.S. News & World Report (<https://wpcarey.asu.edu/about/rankings>) and accredited by the Association to Advance Collegiate Schools of Business (<https://wpcarey.asu.edu/about/accreditation>), the online Master of Business Administration program delivers the same course content taught by faculty members of the full-time and professional flex Master of Business Administration programs and students earn the same highly ranked degree.

The curriculum is delivered in a case-based, team-oriented learning environment. Elective courses provide additional depth and breadth to enhance students' knowledge base and career goals. The online Master of Business Administration is designed for working professionals seeking to continue working full time while attending school. The program starts in January and August and is completed in 21 months.

The Master of Business Administration program is supported by each of the eight academic units within the W. P. Carey School of Business.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- Electrical Engineering, MSE
- Industrial Engineering, MS

**Degree Requirements:**

49 credit hours including the required capstone course (MGT 589).

Required Core (3 credit hours)

LES 582 Ethical Issues for Managers (3)

Electives (43 credit hours)

Culminating Experience (3 credit hours)

MGT 589 Strategic Management (3)

**Additional Curriculum Information**

All students must successfully complete the comprehensive requirement for the MBA established by the school of business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills. To be successful in an online learning environment, students must also have computer proficiency and expertise in using

spreadsheet, word processing and presentation software packages, email and an Internet browser.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge and skills. Elective courses build upon the business core and center on the further development of an area of emphasis. The program is typically completed in less than two years.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable masters degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program

Applicants should see the department's website for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-business-administration/>)

**Career Opportunities:**

The Master of Business Administration includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states that employment for business managers is projected to grow between 4% and 11% between 2018 and 2028.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/mba-programs/online>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

## W. P. Carey MBA, MBA (BASHANGMBA)

**Online Degree Search Title:** W. P. Carey MBA - Shanghai Program

**Campus:** Tempe

### **Program Description:**

The business leaders emerging from the W. P. Carey MBA - Shanghai program can shape U.S.-Sino trade relationships during China's continued global expansion. This academic program is the cornerstone of a number of new offerings that include knowledge transfer and access to the highest level of decision-makers in China.

The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. In 2003, the Master of Business Administration program launched in Shanghai, China. The program is delivered in collaboration with Shanghai National Accounting Institute, an entity under the governance of China's Ministry of Finance.

This degree program is only offered in China.

### **Degree Requirements:**

48 credit hours including the required capstone course (MGT 589).

The curriculum is based on the integration of core management principles, with an immersion in accounting, finance, information management, supply chain management, service marketing, customer relation management and management of services innovation. At the core of the curriculum delivery is emphasis on the practical applications with direct business connectivity. The school prides itself on the curriculum's integration of global practices and local market characterizations, to enable participants' ability to excel in the modern economy.

In addition, the curriculum is designed with a strong transdisciplinary focus while achieving cycle-time efficiency. Each course is delivered in an intensive manner over two consecutive weekends, with four full days of face-to-face instruction supplemented by online instruction materials to enable learning interactions between faculty and participants.

All students must successfully complete the comprehensive requirement for the MBA established by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00 on a scale of 4.00) or higher satisfy the comprehensive examination requirement. A thesis is not required.

### **Admission Requirements:**

This degree program is only offered in China. All applicants are required to contact the program coordinator before submitting the online graduate admission application.

### **Career Opportunities:**

The Master of Business Administration program in China includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

### **Contact Information:**

Business, W. P. Carey School of

WPC Graduate Programs

<https://wpcarey.asu.edu/international-programs/china/english/emba/overview>

BA 323D

chinaemba@asu.edu

480-965-1422

## Design and the Arts, Herberger Institute for

## Architecture, MArch (ARARCMARCH)

**Online Degree Search Title:** Architecture, MArch

**Campus:** Tempe, Online

**Program Description:**

The MArch degree program is designed for students interested in:

- design and construction of beautiful new spaces and buildings
- design and analysis of economically and ecologically sustainable built environments and communities
- digital design and prototyping of innovative new building systems and technologies
- research and advocacy for new definitions of the expansive public role of architects in professional practice and broader civic dialogue

The Master of Architecture is an accredited professional degree program at ASU. The architecture program has been educating aspiring architects, as well as other professionals involved in the construction of cities and the broader built environment since the 1950s. The program has matured to include undergraduate and graduate degrees with a focus on designing for a sustainable and innovative future.

The curriculum has been designed specifically for students to be able to leverage other majors at ASU. Students can pursue concurrent options such as sustainability, real estate development, construction management, interior design, landscape architecture and many more.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: W. P. Carey MBA - Full-Time Program

**Degree Requirements:**

48 credit hours including the required capstone course (ARC 602)

Required Core (42 credit hours)

- ARC 501 Advanced Architecture Studio I (6)
- ARC 502 Advanced Architecture Studio II (6)
- ARC 522 Advanced Architecture Technology I (3)
- ARC 531 Advanced Architecture History (3)
- ARC 532 Architectural Theory I (3)
- ARC 541 Advanced Architecture Representation (3)
- ARC 601 Advanced Architecture Studio III (6)
- ARC 621 Advanced Architecture Technology II (3)
- ARC 632 Architectural Theory II (3)
- ARC 651 Architecture Research (3)
- ARC 662 Architectural Practice (3)

Culminating Experience (6 credit hours)

- ARC 602 Advanced Architectural Studio IV (6)

Additional Curriculum Information

The culminating experience course is a final design studio with a written component, taken under guidance of studio faculty and industry professionals.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- a portfolio, letter of intent and contact information of two references submitted via SlideRoom (<https://asudesign.slideroom.com>)

- proof of English proficiency

#### Additional Admission Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### Admission Requirements to the Two-Year Pathway:

Applicants must have completed a four-year Bachelor of Science degree with a major in architectural studies or similar pre-professional degree in architecture. The undergraduate degree must be granted by an institution that is recognized by ASU and offers a National Architectural Accreditation Board (NAAB) accredited degree program in architecture.

#### Admission Requirements to the Three-Year Pathway:

Applicants must have earned a baccalaureate or graduate degree in any field other than architectural studies.

#### Deficiency Coursework:

If a student is assigned any deficiency coursework by the academic unit upon admission depending on the undergraduate background, those courses must be completed with a grade of "B" (3.00) or higher before completing the master's program required coursework.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-architecture/>)

#### Career Opportunities:

Graduates of the architecture program often pursue careers as:

- architects
- building information modelling managers
- contractors
- developers
- energy modelers
- facilities managers
- film and media producers
- politicians or public servants
- professors

#### Contact Information:

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Architecture (Energy Performance and Climate Responsive Architecture), MS (ARENERGYMS)

**Online Degree Search Title:** Architecture (Energy Perf/Climate Responsive Arch), MS

**Campus:** Tempe

#### Program Description:

The MS program in architecture with a concentration in energy performance and climate-responsive architecture educates students to become experts in energy-efficient building design and energy technology.

Courses in this concentration establish a basic core of knowledge of the principles of the natural energies available at the building boundary due to climate and site; thermal and optic behavior of building materials and components; passive and low-energy architectural systems for heating, cooling and lighting; and appropriate integration with mechanical systems. Additional courses are available to support advanced study and research in a variety of related specialties.

#### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (ATE 593).

Required Core (21 credit hours)

Electives (3-6 credit hours)

Culminating Experience (3-6 credit hours)

ATE 593 Applied Project (3)

ATE 599 Thesis (6)

Additional Curriculum Information

The applied project option consists of six credit hours of electives and three credit hours of ATE 593. The thesis option consists of three credit hours of electives and six credit hours of ATE 599.

Students should see the academic unit for an approved course list.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in one of the professions or fields of study outlined below:

- a five- or six-year National Architectural Accrediting Board-accredited professional degree in architecture (BArch or MArch)\*
- a four-year Bachelor of Science in landscape architecture or a master's degree in landscape architecture which must be granted by an institution that offers the Landscape Architectural Accreditation Board-accredited degree program in landscape architecture
- an engineering degree (BS or MS) with a background in building sustainability issues\*\*
- a science degree (BS or MS) with a background in building sustainability issues

\*Applicants should refer to the NAAB website for more information about the BArch or MArch.

\*\*Mechanical and civil engineering and construction majors are particularly suited for application to the BS or MS program in engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official copy of GRE scores
- portfolio; or, a writing sample from applicants who have a science background
- statement of intent
- contact information for two references
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Unofficial copies of GRE scores are not accepted. More information is available at the GRE website or at <https://uoeee.asu.edu/testing> (<https://uoeee.asu.edu/testing>).

The portfolio or writing sample, statement of intent, and contact information for three references must be submitted via Slideroom. <https://asudesign.slideroom.com> (<https://asudesign.slideroom.com>).

Admission to the program is selective. Admission to the program cannot be deferred. Students must enroll in the semester for which they are admitted; otherwise, they need to go through the entire application process again during the year for which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting The Design School.

Applicants should see the program website for application deadlines and admission terms.

**Career Opportunities:**

Graduates of the Master of Science in architecture program often pursue the following careers:

- architect
- energy modeler
- sustainability consultant

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

**Art, MFA (HIARTMFA)**

**Online Degree Search Title:** Art, MFA

**Campus:** Tempe

**Program Description:**

The ASU School of Art's MFA program provides artists with both a formal and a conceptual foundation in contemporary art. Situated in the context of a public research university renowned for innovation, students work closely with distinguished art faculty to develop the skills to produce culturally relevant work and sustain a lifelong creative practice. Students are encouraged to work across disciplines, and also select a focus from a range of media including animation, ceramics, intermedia, metals, painting and drawing, photography, printmaking, sculpture, textiles and woods.

In addition to the expansive curriculum, students benefit from a visiting artist and scholar lecture series, professionalization workshops, teaching opportunities and pedagogical training. Students also supplement their arts curriculum by taking advantage of the vast resources afforded by a "Research 1" university, engaging with world renowned researchers or taking courses in a variety of departments. The ASU Museum offers vital opportunities for students to learn from and connect with artists and curators.

Graduate students are provided world class studio space at Grant Street Studios (<https://art.asu.edu/galleries-and-facilities/grant-street-studios>) located in the cultural hub of downtown Phoenix. This facility is also home to two galleries and enhanced resources including a common wood shop, printmaking presses, photography darkroom, ceramics kilns, computer lab and 3D print lab. Students also have access to the vibrant community of museums, galleries, businesses, and cultural organizations in Phoenix as well as in nearby Los Angeles, Santa Fe and Denver.

The Master of Fine Art program culminates in a solo thesis exhibition in one of the School of Art's galleries (Step Gallery, Northlight Gallery, Harry Wood Gallery). In addition to being one of few fully-funded three-year MFA programs nationally, students also benefit from various funding opportunities including teaching assistantships as well as scholarships and awards supporting student travel and research. Current special initiatives in the School of Art, including the Global Art School Futures and Arizona Artists' Oral History Project, add dynamic opportunities for the professionalization, collaboration and immersive learning essential to being an artist in the 21st century.

**Degree Requirements:**

60 credit hours and an oral comprehensive exam (defense of MFA exhibition).

The 60 hours of graduate credit are subject to committee approval and must include:

- ART 680 Practicum, resulting in an MFA exhibition (10-15 credit hours)
- graduate studio (18-27 credit hours)
- graduate-level academic coursework (at least 6 credit hours)
- graduate-level ART seminars (9-18 credit hours)
- required courses in contemporary art theory (3) and cross-practice critique (3) (6 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- portfolio
- statement of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Admission is a two-step process. Although applicants fill out one application through the online graduate application process, they must be admitted into both the MFA program and to the Graduate College.

The portfolio should be 20 images, sized with a maximum dimension of 1024 pixels; video files less than 60MB each; and accompanied by an image list and the statement of intent (this is not to exceed 1,000 words) that addresses the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular as well as professional goals.

The three letters of recommendation should be from faculty members with whom the applicant has studied or from recognized professionals in the field. All the instructions for letters of recommendation must be followed when submitting them with the application to the Graduate College.

The method for submitting the resume or vitae, portfolio, statement of intent and letters of recommendation is online via SLIDEROOM: <https://asuherberger.slideroom.com/#/Login> (<https://asuherberger.slideroom.com/#/Login>). Applicants may upload images (.jpg), video (.mov, .wmv, .flv), music (mp3) or PDF documents.

Applicants should see the program website for application deadlines.

#### **Career Opportunities:**

Master of Fine Arts degree holders have the credentials necessary for teaching courses in their discipline at colleges and universities as well as entering the art market, working in art administration or other competitive creative fields. Graduates of this program also go on to start their own galleries or small businesses, exhibit at notable institutions, and are awarded prestigious grant and residency opportunities.

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/art-mfa-mfa>  
ART 102  
soagrad@asu.edu  
480-965-8521

## **Art (Art Education), MA (FAARTEDMA)**

**Online Degree Search Title:** Art Education, MA

**Campus:** Tempe

#### **Program Description:**

Students in the MA program in art with a concentration in art education investigate issues in art teaching and learning from multiple perspectives, including art inquiry, curriculum theory, spatial design, studio practice, visual culture, social intervention, human development and cultural context.

The culminating experience may be conducted in a range of contexts where art learning takes place, such as in K-12 art classrooms, art centers and museums, public settings, university studios or in a teacher's own classroom.

#### **Degree Requirements:**

30 credit hours, a thesis and a written comprehensive exam (qualifying research proposal).

Required Core (18 credit hours)

ARE 510 Visual Culture Research (3)

ARE 520 Issues in Teaching Inquiry in Art (3)

ARE 525 Research on Art Instruction (3)

ARE 530 Issues in Teaching Studio Art (3)



ARE 535 Research on Teaching Studio Art (3)  
ARE 540 Teaching Art in Cultural Contexts (3)

Other Requirements (6 credit hours)

special topics on research related to integrating the teaching of studio art, art history and criticism or aesthetics (6)

Culminating Experience (6 credit hours)

thesis (6)

Additional Curriculum Information

Before the end of the first semester of coursework (six or more credit hours), a plan of study must be submitted to the Graduate College. Additional program requirements are indicated in the guidelines for the master's degree in art education.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants should submit:

- graduate admission application and application fee
- official transcripts
- a formal art education research paper for review
- resume
- statement of intent
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

An applicant must have a bachelor's degree from a regionally accredited college or university with a major of no fewer than 45 credit hours of art, including 12 credit hours of art history and six credit hours of art education. Additional hours may be required by the school.

An applicant must have a GPA of at least 3.00 ("B") in undergraduate coursework during the junior and senior years. Applicants who do not meet these requirements must submit scores from the MAT or the GRE.

The resume should demonstrate how professional experience will help the student succeed in this program.

Applicants should see the program website for application deadlines.

#### **Career Opportunities:**

Graduates may earn an increased salary in some districts, have the potential to become a district art administrator, are prepared for doctoral study, and are qualified to be a museum or community art educator.

#### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/degree-programs/art-education?dept=160343&id=1>

ART 102

soagrad@asu.edu

480-965-8521

## **Art (Art History), MA (FAARTHISMA)**

**Online Degree Search Title:** Art History, MA

**Campus:** Tempe

#### **Program Description:**

The MA in art with a concentration in art history is a comprehensive degree program designed to train students to engage with visuality in multiple

ways.

A diverse curriculum fosters critical understanding of aesthetics, production, patronage and consumption of art. Nine internationally recognized faculty members offer classes covering many cultures, time periods and geographies, using multiple approaches and methodologies. The program stresses intersections between disciplines, borders, margins, points of mediation and technological developments throughout history and offers focused study in the areas of images and digital technologies, art in social and political contexts and the histories and theories of visual culture.

**Degree Requirements:**

30 credit hours, a thesis and a foreign language exam.

Required Core (3 credit hours)

ARS 501 Methodologies and Art History (3)

Focus Area Coursework (12 credit hours)

seminars (12)

Electives (6 credit hours)

Research (3 credit hours)

ARS 592 Research (3)

Culminating Experience (6 credit hours)

ARS 599 Thesis (6)

Additional Curriculum Information

This program must include a minimum of 24 hours in art history, with at least 12 of these earned in 500-level seminars.

Four courses in the areas shown below are required, with two of these courses outside the geographical area of specialization:

Ancient

Asian

Contemporary

Global

Latin American

Medieval

Modern

Pre-Columbian

Renaissance

For elective coursework, students may choose to take either 500-level courses in art history or related areas, such as in anthropology, history, museum studies, religion, or up to six hours of the following omnibus courses:

ARS 584 Internship

ARS 590 Reading and Conference

ARS 592 Research

Students must have reading knowledge of one research language in addition to English. The selected language needs to be appropriate for the area of research concentration and must be approved by the faculty mentor. This requirement can be met by taking a language for reading knowledge course in the School of International Letters and Cultures with a grade of "B" or better or by passing the Graduate Foreign Language Examination offered by SILC, which requires a fee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. In addition, applicants must have an undergraduate major or minor in art history or at least four upper-division art history courses in which a GPA of 3.00 or higher was maintained.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation.
- one formal research paper for review
- one-page statement of intent indicating the objectives for graduate study
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students should see the program website for application deadlines and admission terms.

#### **Career Opportunities:**

A graduate degree is necessary for many professional positions. A Master of Arts in art history or museum studies prepares individuals for the following:

- teaching at the community college level
- practicing and publishing as an art critic or writer
- enhancing one's own practice as an artist
- gaining entry into museums, archives, historical societies, auction houses, publishing companies and academic presses, as well as to art libraries.

#### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/degree-programs/art-history-museum-studies?dept=160344&id=1>

ART 102

soagrad@asu.edu

480-965-8521

## **Art (Digital Technology), MFA (FADIGITMFA)**

**Online Degree Search Title:** Art (Digital Technology), MFA

**Campus:** Tempe

#### **Program Description:**

The MFA program in art with a concentration in digital technology combines technological and artistic goals and is designed for students with skills and experience in both realms.

The program is offered by the School of Art in collaboration with the School of Arts, Media and Engineering. The School of Art offers graduate-level courses in digital audio, video, photography, printing, compositing, interactive sculpture and rapid prototyping. Graduate courses offered by the School of Arts, Media and Engineering focus on topics such as interactive media methodology and theory, sensing and understanding activity, perception and cognition for artists and designers, advanced programming, interaction design for media installations and digital and physical fabrication.

Prospective students should demonstrate accomplishments in art and technology, particularly in having developed new digital technology for the arts.

#### **Degree Requirements:**

60 credit hours and an oral comprehensive exam.

Graduate credit is subject to committee approval and includes:

36 graduate studio credit hours in the major areas of concentration of which 18 credit hours are ART studio classes and 18 credit hours are graduate-level courses in the School of Arts, Media and Engineering

6 credit hours of ART 621 Seminar

6 credit hours of graduate-level art history

6 credit hours of ART 680 Practicum and 6 credit hours of AME 593 Applied Project, leading either to a final exhibition or an applied project

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- an art and digital technology resume
- current resume or curriculum vitae
- portfolio
- statement of intent
- statement and evidence of work demonstrating digital technology skills beyond end user applications
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency via a TOEFL score: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Admission is a two-step process. Although applicants fill out one application through the online graduate application process, they must be admitted into the Master of Fine Arts program and to the Graduate College.

The portfolio must be of 20 images sized with maximum dimension of 1024 pixels; video files of less than 60 MB each; and an image list that accompanies the portfolio. The method for submission for the portfolio is online via SLIDEROOM: <https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>). Applicants may upload images (.jpg), video (.mov, .wmv, .fly), music (.mp3) or PDF documents.

The statement of intent should not exceed 1,000 words and should address the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular and the applicant's professional goals.

The letters of recommendation should be from faculty members with whom the applicant has studied or from recognized professionals in the field. All instructions for the letters of recommendation must be followed when submitting the application to the Graduate College.

Applicants should see the program website for application deadlines.

**Career Opportunities:**

Master of Fine Arts degree holders have the credentials necessary to teach courses in their discipline at colleges and universities as well enter the art market, work in art administration, or other competitive creative fields. Graduates of this program also go on to start their own galleries or small businesses, exhibit at notable institutions, and are awarded prestigious grant and residency opportunities. Graduates who concentrated in digital technology are also engaged as technology consultants, freelance artists and technologists, and join a variety of art and technology collaborations.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu>  
ART 102  
[soagrad@asu.edu](mailto:soagrad@asu.edu)  
480-965-8521

**Composition, MM (FAMCOMPMM)**

**Online Degree Search Title:** Music Composition, MM

**Campus:** Tempe

**Program Description:**

The MM program in composition focuses on the development of skills required for a career in music composition.

Composers learn through experiential opportunities, including composing for fellow student performers leading to performances of their works in venues on campus and off. Project-based experiences include working with the Visiting Quartet Residency program and creating new works for student string quartets.

Students develop advanced skills such as orchestration, electronic studio techniques, film and video scoring, and jazz composition in the degree program. Collaboration with music scholars, theorists, performers, educators and other composers under the guidance of renowned composition faculty provides students with a broad and well-rounded foundation for advanced careers in music.

**Degree Requirements:**

32 credit hours, a thesis and a written comprehensive exam.

The credit hour requirements for the degree are distributed as follows:

composition (9 credit hours)

electives (8 credit hours)

music theory and music history (9 credit hours)

thesis (6 credit hours)

The thesis is an original composition that demonstrates mastery of composing for the selected performance medium and the coherent organization of musical material.

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Additional information about degree requirements for all graduate music programs may be found on the check sheets:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- School of Music, Dance and Theatre application (including a resume and personal statement):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- prescreening portfolio
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students must have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music may wish to take foundational courses in music theory and history as recommended by their advisor.

Applicants should see the program website for application deadlines. After receipt of complete application materials, including recommendation letters, transcripts and English proficiency, and review of prescreening materials, an applicant may be invited for an interview. Information on the interview may be found at <https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions>).

**Career Opportunities:**

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society

through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composer for film, video games, or television
- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/music-composition-mm>  
MUSIC E167  
mdtadmissions@asu.edu  
480-965-5069

## Composition (Interdisciplinary Digital Media), MM (FADIGITMM)

**Online Degree Search Title:** Composition (Interdisciplinary Digital Media), MM

**Campus:** Tempe

**Program Description:**

The MM program in composition with a concentration in interdisciplinary digital media is designed for students who have interests and skills in unique cross sections of the arts and sciences.

The degree program expands the School of Music, Dance and Theatre offerings to include areas beyond typical music coursework, allowing additional opportunities for transdisciplinary study and collaboration across the Herberger Institute and beyond. It also allows the School of Music, Dance and Theatre and its students to be actively involved in current developments in the ever-changing field of media.

The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are invaluable assets to music students, with resources that complement existing and future courses in electronic music.

**Degree Requirements:**

32 credit hours, a thesis and a written comprehensive exam, or 32 credit hours, a thesis, a written comprehensive exam and an oral comprehensive exam.

Required Core (6 credit hours)

MTC 523 Advanced Composition (6)

Concentration (18 credit hours)

Arts, Media and Engineering coursework (9)

Music Theory and Music History (9)

Electives (2 credit hours)

Culminating Experience (6 credit hours)

AME or MTC 599 Thesis (6)

Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs may be found on the check sheets:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country and officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume and personal statement):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- prescreening portfolio
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music may wish to take foundational courses in music theory and history as recommended by their advisor.

Students should see the program website for application deadlines. After the School of Music, Dance and Theatre receives the complete application (this includes recommendation letters, transcripts and English proficiency requirements) and it is reviewed by the department, the applicant may be invited for an interview. Information about the interview may be found at <https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

**Career Opportunities:**

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composer for film, video games or television
- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/composition-interdisciplinary-digital-media-mm>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## Creative Enterprise and Cultural Leadership, MA (HICECLMA)

**Online Degree Search Title:** Creative Enterprise and Cultural Leadership, MA

**Campus:** Tempe

### Program Description:

Creative enterprise and cultural leadership students are changemakers and innovators working toward more just and sustainable futures that connect art and design to society. The program has a particular emphasis on impact and place, looking at how art practice intersects with the social, political, economic and other structures that shape communities. This cross-disciplinary, collaborative program merges theory and practice in arts management, civic practice, creative placemaking, leadership and the management of innovation in the expanded creative fields.

The MA program in creative enterprise and cultural leadership offers classes that mix theory and practice through applied learning in collaboration with a range of community, nonprofit, business and public sector partners. Local and national leaders engage with students in classes, site visits, collaborative projects and through a field experience that includes travel to another city. The program culminates with a capstone Applied Project that can take the form of research or the launch of a new project. In addition to core classes, students select additional focused coursework to advance their own professional goals and interests. The program offers several areas of curricular emphasis including creative placemaking and placekeeping, civic practice, cross-sector work and new business models.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Art (Art History), BA
- Art (Museum Studies), BA
- Arts (BA in the Arts), BA
- Digital Culture, BA
- Environmental Design, BS
- Film (Film and Media Production), BA
- Film (Filmmaking Practices), BA
- Music, BA
- Theatre, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

30 credit hours, a written comprehensive exam, an oral comprehensive exam and the applied project course (HDA 593).

Required Core (10 credit hours)

- HDA 511 Purpose, Collaboration and Accountability (3)
- HDA 512 Proposal Development (1)
- HDA 513 Applied Research and Evaluation Methods (3)
- HDA 514 Creativity and Impact, Opportunities for Change (3)

Electives (3 credit hours)

Focus Area Coursework (9 credit hours)

Other Requirements (2 credit hour)

- HDA 583 Fieldwork (2)

Culminating Experience (6 credit hours)

- HDA 593 Applied Project (6)

Additional Curriculum Information

For electives, students may choose from a list of approved courses or choose their own with advisor approval.

For focus area coursework, students select three classes from a curated list of options that intersect with the MA in creative enterprise and cultural leadership's core themes of art, place and impact to create their own emphasis.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in an arts, design, business, public policy or related discipline from a regionally accredited institution.



Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- letter of intent
- professional resume
- example of academic or professional work
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letter of intent must outline the applicant's reasons for choosing to pursue a Master of Arts in creative enterprise and cultural leadership and outline how their unique background and abilities make them a suitable candidate.

Applicants are required to submit an example of academic or professional work that demonstrates ability and potential to be successful in the program within a maximum of 30 pages. Following are examples of appropriate submissions:

- critical essay from previous academic work
- critical essay for professional audiences
- business plan for a new or existing enterprise
- material produced for professional creative practice
- curatorial materials
- marketing materials designed or written by applicant
- other professional or technical writing relevant to the creative industries

An online interview may be held for applicants who reach the finalist stage of consideration for admission.

#### **Career Opportunities:**

Using arts and design-based methods to advance a spectrum of enterprises, graduates are equipped to pursue positions such as:

- arts managers
- cultural producers
- civic leaders
- cultural entrepreneurs and business leaders

#### **Contact Information:**

Design and the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

<https://herbergerinstitute.asu.edu/degree-programs/creative-enterprise-and-cultural-leadership/about?dept=1400&id=1>

GHALL 155

herbergeradmissions@asu.edu

480-965-2458

## **Dance, MFA (FADANCEMFA)**

**Online Degree Search Title:** Dance, MFA

**Campus:** Tempe

#### **Program Description:**

The ASU MFA program in dance is normally accomplished during three years of residency.

The dance program welcomes a diversity of applicants, including returning professionals, who have experience and interest in choreography, dance science and somatics, dance teaching praxis, dance and technology, community engagement, practices of equity and inclusion, professional partnerships and dance scholarship and theory. Students whose approaches are interdisciplinary, cross-cultural in nature, and who are self-motivated, have clear and demonstrated objectives, and are willing to explore new possibilities in the field of dance and beyond are ideal for this program.

Each graduate student will develop their potential as a creator, performer, teacher, thinker and art advocate. Frequent showings, a final Master of

Fine Arts project, a written document and oral defense are required for degree completion.

**Degree Requirements:**

60 credit hours and a bound document.

Students in the MFA program in dance take coursework in dance and related fields that have been designed to provide a broad and fundamental preparation for future careers. Opportunities on and off campus further develop the knowledge and skills students need to become leaders in the dance community through teaching, performing, creating, engaging in scholarship, and arts advocacy.

The Master of Fine Arts applied project in dance serves as the culminating experience in the graduate dance curriculum. The applied project takes into consideration the future goals of the student and serves as a bridge to careers beyond graduate school.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- teaching sample
- recent creative works
- current resume
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

All applicants should thoroughly review the application materials and deadlines on this website:

<https://musicdancetheatre.asu.edu/admissions/dance/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/dance/graduate-steps-to-apply>).

**Career Opportunities:**

Dance artists and educators who complete the Master of Fine Arts program in dance are prepared to work in a variety of settings and industries including higher education dance programs, commercial dance venues, community dance and wellness programs, professional dance companies and stage production settings.

Career examples include:

- choreographer
- community engagement and social activist artist
- dance researcher, scholar or reviewer
- dance works curator
- performing artist
- performing arts program developer
- social engagement practitioner
- somatics educator
- teaching artist
- university dance educator

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/>  
GHALL 240

## Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)

**Online Degree Search Title:** Dance (Interdisciplinary Digital Media and Perform.), MFA

**Campus:** Tempe

### Program Description:

The MFA program in dance with a concentration in interdisciplinary digital media and performance builds on the strength of the School of Music, Dance and Theatre and expands into the specific area of new media practices.

The concentration provides a select group of graduate students a rigorous, in-depth opportunity to specialize in dance as well as transdisciplinary digital arts. The degree is normally accomplished within three years of residency. The interdisciplinary classes and research activities of the transdisciplinary School of Arts, Media and Engineering that are part of this concentration give students access to advanced media equipment, studios, project funding and interdisciplinary collaborators.

The program welcomes a diversity of students, including returning professionals, who have experience or interest in choreography, dance science and somatics, dance teaching praxis, dance and technology, community engagement, practices of equity and inclusion, professional partnerships, and dance scholarship and theory. The Master of Fine Arts program in dance seeks students whose approaches are interdisciplinary, cross-cultural in nature, and who are self-motivated, able to have clear and demonstrated objectives, and are willing to explore new possibilities in the field of dance and beyond. Students are encouraged to develop their potential as creators, performers, teachers, thinkers, and art advocates. Frequent showings, a final Master of Fine Arts project, a written document and oral defense are required for degree completion.

### Degree Requirements:

60 credit hours and a bound document.

The degree program involves three years of residency:

- a final Master of Fine Arts applied project (8 credit hours)
- a written document
- an oral defense
- required coursework in the concentration taught by AME (18 credit hours)
- electives (15 credit hours)
- required courses in the School of Dance (19 credit hours)
- ongoing showings of work

The current Master of Fine Arts program is normally accomplished during three years of residency in the School of Music, Dance and Theatre. Ongoing showings of creative work are required. Foundational coursework is offered in areas of creative practice, movement practices, pedagogy, professional development, technology and theory.

Students enrolled in the program specialize in areas related to independent research. The Master of Fine Arts applied project, which may involve producing original choreography, presenting a lecture demonstration on a body of research or another form of original work, acts as the culminating experience of the program. Completing the process are a presentation, a final written document, reflective in nature, as well as an oral defense.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- teaching sample
- recent creative work
- current resume
- letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

All applicants should thoroughly review the application materials and deadlines on this website:

<https://musicdancetheatre.asu.edu/admissions/dance/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/dance/graduate-steps-to-apply>).

#### Career Opportunities:

Dance artists, educators and media specialists who complete the Master of Fine Arts program in dance with an emphasis in interdisciplinary digital media and performance are prepared to work in a variety of settings and industries, including higher education dance, digital media and arts programs, commercial dance venues, media production companies, community arts organizations, and dance production and performance settings.

Career examples include:

- choreographer
- community engagement and social activist artist
- dance filmmaker
- dance lighting and sound designer
- dance technology specialist
- interactive performance artist
- intermedia specialist
- performing artist
- stage production and design specialist
- teaching artist

#### Contact Information:

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/>

GHALL 240

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-4206

## Dance Teaching Artist Praxis (Certificate), Certificate (HIDTAPGRCT)

**Online Degree Search Title:** Dance Teaching Artist Praxis (Graduate Certificate)

**Campus:** Tempe

#### Program Description:

This program equips students with the practical and theoretical knowledge, skills and credentials that deepen their understanding of dance pedagogy. Students receive a mix of studio-based courses, seminar and experiential learning in order to fully explore and scaffold appropriate teaching practices for dancers of any age and skill level.

Students completing the dance teaching artist praxis certificate fulfill the coursework requirements they need in order to obtain a Provisional Arts Education, preK-12 certificate in dance from the Arizona Department of Education. They also gain the qualifications and credentials required for developing and teaching university teacher preparation courses and training programs as well as the skills and perspectives necessary for working effectively as a teaching artist in diverse sociocultural and learning contexts. For information on whether certificate requirements meet eligibility requirements for licensure in other states and territories, students should visit: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>).

#### Degree Requirements:

28 credit hours and a portfolio.

Required Core (28 credit hours)

DCE 530 Somatic Movement Inquiry I (2)

DCE 531 Somatic Movement Inquiry II (2)

DCE 554 Teaching Praxis I: Postsecondary Teaching Philosophies, Foundations and Practices (3)

DCE 654 Teaching Praxis II: Theories, Contexts, Populations, Psychomotor Development and Curriculum Design (3)

DCE 656 Teaching Praxis III: Secondary Practices and Teacher Preparation Course Development/Implementation (4)

DCE 657 Pedagogical Research and Fieldwork (2)

SED 578 Residency/Student Teaching in Secondary Education (12)

#### Additional Curriculum Information

Students must submit the written portfolio culminating experience in the last semester of enrollment in the certificate program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a minimum of a master's degree in dance or a related field from a regionally accredited college or university, or have successfully completed their first semester of the Arizona State University MFA degree program in dance.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree program or in the ASU Master of Fine Arts program in dance at the time of their application submission.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the United States on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants who are currently enrolled ASU students are not required to submit letters of recommendation.

#### Career Opportunities:

Dance artists and educators who complete a dance teaching praxis graduate certificate are prepared and credentialed to work as dance teaching artists, K-12 dance educators, higher education dance professors specializing in teacher preparation, and dance pedagogy scholars. Graduates can work across a number of sectors, including public and private K-12 schools, higher education institutions, local, national and international dance communities and organizations, and dance studio settings.

Career examples include:

- community arts facilitator
- community engagement and social activist artist
- dance education researcher or scholar
- dance studio owner
- K-12 dance educator
- K-12 performing arts administrator
- performing arts curriculum and program developer
- social engagement practitioner
- somatics educator
- teaching artist
- university dance professor and teacher preparation specialist
- wellness instructor

#### Contact Information:

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu>

GHALL 240

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-4206

## Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)

**Online Degree Search Title:** Healthcare and Healing Environments, MSD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The MSD program with a concentration in design of health care and healing environments is focused on the science and experiences behind the built environment's real and perceived impacts on health and wellness. To this end, the concentration in design of health care and healing environments emphasizes the intersection and integration of evidence-based research and practice, transdisciplinary studies, best practices, and innovation in supporting and advancing the design of healthy environments, products and processes. This concentration enables students to explore and synthesize principles from a variety of disciplines that include innovation, architecture, design, communication, human behavior, policy, quality and performance improvement, among others, to arrive at a thorough understanding of the critical issues facing the health care industry.

Students in this concentration will have opportunities to:

- be mentored by local health care design consultants
- communicate with forward-thinking health care research centers
- engage directly with real clients
- interact with prominent health care organizations
- participate in industry conferences
- team with nursing and health innovation faculty and students

**Degree Requirements:**

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete the graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- contact information for three references
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
- visual communication design

The portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (<https://asuherberger.slideroom.com/#/Login> (<https://asuherberger.slideroom.com/#/Login>)). The Design School requires that these be submitted in addition to Graduate Admission Services application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

#### Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

#### Contact Information:

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Design (Industrial Design), MSD (ARINDDMSD)

**Online Degree Search Title:** Industrial Design, MSD

**Campus:** Tempe

#### Program Description:

The MSD program in industrial design is meant for individuals interested in advanced studies in:

- criticism and methodology
- design processes
- history
- human factors
- technology
- theory

This program helps students develop an understanding of contemporary industrial design issues through specialized research and design skills. It also prepares the graduate student for a career in industrial design education.

This is a research-based degree. Students interested in a studio-based program should refer to the Master of Industrial Design.

#### Degree Requirements:

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information of two references
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency through either the TOEFL or the IELTS regardless of current residency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS.

Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

When applying for admission, applicants must declare one of the concentrations.

The portfolio, letter of intent, resume and contact information of two references must be submitted via Slideroom (<https://asudesign.slideroom.com/#/Login> (<https://asudesign.slideroom.com/#/Login>)). The Design School requires that these be submitted in addition to the graduate application requirements.

GRE scores are not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

#### Career Opportunities:

Graduates work for global design consultancies, corporate design teams, universities, research institutes and manufacturing companies.

#### Contact Information:

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Design (Interior Design), MSD (ARINTDEMSD)

**Online Degree Search Title:** Interior Design, MSD

**Campus:** Tempe

#### Program Description:

The MSD in interior design is a research program that allows students to deeply investigate how people use and interact with various interior environments that can be completed in as little as two years. The program encourages the exploration of creativity, innovation and critical thinking while acknowledging the importance of cultural and historical precedent. This program helps students develop an understanding of contemporary interior design issues through specialized research and design skills.

#### Degree Requirements:

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design situation.

#### Admission Requirements:



Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information of two references
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency through either the TOEFL or the IELTS regardless of current residency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

When applying for admission, applicants must declare one of the concentrations.

The portfolio, letter of intent, resume and contact information of two references must be submitted via Slideroom (<https://asudesign.slideroom.com> (<https://asudesign.slideroom.com/>)). The Design School requires that these be submitted in addition to the graduate application requirements.

GRE scores are not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Career Opportunities:**

Graduates from this program can expect to go into interior design research or higher education instruction; the program is also good preparation for entry into PhD programs.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Design (Visual Communication Design), MSD (ARVCDMSD)

**Online Degree Search Title:** Design (Visual Communication Design), MSD

**Campus:** Tempe

**Program Description:**

The MSD with a concentration in visual communication design is a degree program meant for individuals interested in advanced studies in visual language, history, theory, criticism and methodology, design processes and technology.

Through a specialized research and design skills curriculum, the student develops an understanding of contemporary graphic design issues.

**Degree Requirements:**

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project.

A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing.

The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information for two references
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students are required to submit proof of English Proficiency through either the TOEFL or the IELTS if their native language is not English. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

When applying for admission, applicants must declare a concentration. Students should see the department website for an approved list of graduate programs.

The portfolio, letter of intent, resume and contact information of two references must be submitted via Slideroom (<https://asudesign.slideroom.com> (<https://asudesign.slideroom.com>)). The Design School requires that these be submitted in addition to the graduate application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

GRE scores are not required.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

#### **Career Opportunities:**

This program prepares the graduate student for a career in graphic design education or advanced design professions.

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## **Design, Environment and the Arts, PHD (HIDEAPHD)**

**Online Degree Search Title:** Design, Environment and the Arts, PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The PhD in design, environment and the arts is an individualized, institute-wide, transdisciplinary degree program that integrates graduate courses and faculty research with expertise in design; health care and healing environments; history, theory and criticism; and digital culture in design.

Broad in scope, the program is at the cutting edge of creating new knowledge in architecture, design and the arts. It complements transdisciplinary research in other disciplines within the university. The program provides research experience for students wishing to pursue careers in industry as members of interdisciplinary design teams on environmental and energy issues as well as for those wishing to teach in the architecture, design or the arts fields.

Applicants should apply to the concentration appropriate to their area of research interest as applications to the stand-alone degree program are not being accepted at this time.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's degree can count toward the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's degree, 12 must be dissertation credit and 12 may be research. These 24 credit hours plus the remaining 30 credit hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program.

The student is required to take 15 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the area of focus; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in the field of architecture, graphic design, industrial design, interior design, landscape architecture, or fine arts from a regionally accredited institution. Students must be familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design; history, theory and criticism; digital culture in design; or health care and healing environments)
- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. A TOEFL score of at least 100 iBT or 600 PBT or an overall IELTS band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

administered at ASU, and become certified. Additional information is available on the department website.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Applicants must be familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Students are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The letters of recommendation preferably would be academic, although they could be professional. Applicants must provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Candidates are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their To Do list. Once a recommender has submitted the letter of recommendation, the recommender's name is removed from the To Do list. All letters must be in English.

Applicants should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

The application is considered incomplete if any of the items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon receipt of the written recommendation from the program director, the dean of the Graduate College notifies all applicants in writing of the admission decision.

Applicants should see the program website for application deadlines.

**Contact Information:**

Design and the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/>  
CDN 162 E  
designgrad@asu.edu  
480-965-3536

## Design, Environment and the Arts (Design), PHD (HIDEADSPHD)

**Online Degree Search Title:** Design, Environment and the Arts (Design), PhD

**Campus:** Tempe

**Program Description:**

The PhD program is a flexible, interdisciplinary program that permits designers to develop the experience, skills and framework to become competent researchers, scholars, innovators, visionaries and leaders in the various disciplines of design, environment and the arts. Broad in scope, the program involves interdisciplinary research interests at both the micro- and macro-scales of design, environment and the arts. Research experience prepares students for careers in academia, as well as industry, government or the nonprofit sector. There are opportunities for research specialization in areas such as:

- technology, innovation and entrepreneurship
- sustainability and resilience
- social justice, placemaking and placekeeping
- global health and human factors
- history, culture, theory and philosophy

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

EPD 700 Research Methods (3)

EPD 710 Current Research in Design (3)

Concentration (15 credit hours)

DSC 558 Lighting Design (3)  
DSC 594 Conference and Workshop (3)  
EPD 791 Seminar (3)  
GRA 501 Creative Environment and Collaborative leadership (3)  
GRA 561 Methods in Visual Communication I (3)  
GRA 562 Methods in Visual Communication II (3)  
GRA 581 Internship in Teaching Design (3)  
GRA 590 Reading and Conference (3)  
INT 515 Decorative Arts in Historic Interiors: A Thematic Overview (3)  
INT 516 Textiles in Historic Interiors: Appearance, Function, Symbolism (3)

Electives or Research (21 credit hours)  
EPD 790 Reading and Conference (9)  
EPD 792 Research (12)

Culminating Experience (12 credit hours)  
EPD 799 Dissertation (12)

#### Additional Curriculum Information

Students choose five courses from the list of concentration courses above. Other equivalent courses may be used as concentration coursework with approval of the supervisory committee.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in a closely related field from a regionally accredited institution. Examples of appropriate fields include art history, architectural history, and design history. Fields in the humanities such as history, literature, archaeology and anthropology also may be considered. Students without graduate experience in the history of art, history of architecture and history of design may be asked to fulfill deficiencies.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- personal statement
- abstract of proposed research
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must submit a personal statement, abstract of proposed research and contact information for two references to Slideroom (<https://asudesign.slideroom.com> (<https://asudesign.slideroom.com>)). It is required that these be submitted in addition to the Graduate College application requirements.

#### Career Opportunities:

Over 80 people have completed the program, and many are pursuing university teaching and research careers in design, environment and the arts fields. Others have careers leading planning and design firms, or are engaged in business, industry, government and advocacy careers.

#### Contact Information:

Design and the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/node/40629>  
CDN 152E

## Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)

**Online Degree Search Title:** Design, Environment and the Arts (Digital Culture in Design), PhD

**Campus:**

ASU is not currently accepting applications to this program.

### Program Description:

The PhD program in design, environment and the arts with a concentration in digital culture in design focuses on the role of computational systems in enhancing creativity and the quality of human design. Graduates of the program should be thinkers as well as doers; they should learn to question the existing paradigms that govern the digital world as they impact design and the arts; they should be able to analyze systematically how digital tools affect the way designers and artists think, conceptualize, create and evaluate their designs and artwork; and, as a result, they should be able to come to a unique synthesis, leading the way in these fields.

This concentration program primarily explores the impact of digital culture on how built environments, products and visual communications are designed and analyzed by design professionals and are utilized by their intended audience. Students should be able to systematically question existing paradigms and ontologies of digital tools, evaluate the new paradigms that emerge as a result of digital culture, and propose new frameworks for design disciplines. Issues such as user interface design for new products, computer simulation of performance of buildings and products, effects of digital tools on architectural form giving, digital design processes, better incorporation of human factors into design tools, usability and interaction design are some examples of faculty expertise and areas of focus.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

EPD 700 Research Methods (3)

EPD 710 Current Research in Design (3)

Required Concentration (12 credit hours)

Research and Approved Electives (24 credit hours)

Culminating Experience (12 credit hours)

EPD 799 Dissertation (12)

Other Requirements (30 credit hours)

a previously awarded master's degree or approved relevant coursework (30)

Additional Curricular Information

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's degree can count toward the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's degree, 12 must be dissertation credit and 12 may be research. These 24 credit hours plus the remaining 30 credit hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program.

The student is required to take 12 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the concentration; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the field of architecture, graphic design, industrial design, interior design, landscape architecture, arts media or engineering, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design, history, theory and criticism, digital culture in design, or health care and healing environments)
- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. A TOEFL score of at least 100 iBT or 600 PBT or an overall IELTS band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU and become certified. Additional information is available on the department website.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Applicants must be familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program.

The letters of recommendation preferably would be academic, although they could be professional. Applicants are to provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Applicants are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their To Do list. Once a recommender has submitted the letter of recommendation, the recommender's name is removed from the To Do list. All letters must be in English.

Applicants should identify a proposed research topic or list of possible topics that aligns with the research mission of the program and the research interests of faculty.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Students are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The application is considered incomplete if any of the application items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

#### Contact Information:

Design and the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu>  
CDN 162 E  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)

**Online Degree Search Title:** Design, Environment and the Arts (Healthcare and Healing Environments), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The health care and healing environments concentration under the PhD program in design, environment and the arts focuses on the integration of evidence-based design, sustainable science and best practices benchmarks when planning health care facilities. Facility-related responsibilities supported by this area cluster into seven functional work units:

- facilities analysis (physical and environmental)
- human factors and user needs
- interior planning and design
- programming (long-range planning)
- research methodologies
- space management and planning
- strategic planning

This multidisciplinary program integrates the principles of medical and clinical innovations, interior architecture, human health services, communication studies, architecture and behavioral and engineering sciences. Students in this program will be mentored by local health care design consultants, teaming with nursing students and working directly with real clients and corresponding with forward-thinking health care research centers. Graduating students will be able to address contemporary issues facing the health care industry, address health care environments on multiple levels, apply evidence-based research techniques and effectively communicate with clinicians.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

EPD 700 Research Methods (3)

EPD 710 Current Research in Design (3)

Concentration (18 credit hours)

Electives or Research (18 credit hours)

EPD 792 Research (12)

other electives or research (6)

Culminating Experience (12 credit hours)

EPD 799 Dissertation (12)

Additional Curriculum Information

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's degree can count toward the requirements of the doctoral program. If the student has not completed a master's degree, elective courses approved by the supervisory committee may be substituted.

The student is required to take 18 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the area of concentration.

No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program. Each student entering the program is required to submit a plan of study during the first year.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in the field of design, interior design, architecture, nursing or other related fields from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design, history, theory and criticism, digital culture in design, or health care and healing)



environments)

- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. A TOEFL score of at least 100 iBT or 600 PBT or an overall International IELTS band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English (<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)).

International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU, and become certified. Additional information is available on the department website.

Ideal candidates must already hold a master's degree in design, interior design, architecture, nursing or other related fields. A statement of intent will express interest in the health care research/design concentration. If students enter the program with no design or health care background, they must take certain deficiency courses.

The letters of recommendation preferably would be academic, although they could be professional. Applicants will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Applicants are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

Applicants should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Applicants are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The application will be considered incomplete if any of the application items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

#### Career Opportunities:

Graduates may pursue advanced positions in the following arenas:

- elite consulting firms as facility programmers
- large health care systems and corporations as strategic planners
- leading manufacturers and vendors as expert representatives
- planning divisions in architectural and planning firms as medical planners
- research centers as decision-makers

#### Contact Information:

Design and the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

<https://herbergerinstitute.asu.edu/degree-programs/design-environment-and-arts-healthcare-healing-environments-phd>

CDN 162E

[designgrad@asu.edu](mailto:designgrad@asu.edu)

480-965-3536

## Design, Environment and the Arts (History, Theory, and Criticism), PHD (HIDEAHTPHD)

**Online Degree Search Title:** Design, Environment and the Arts (History, Theory, and Criticism), PhD

**Campus:** Tempe

#### Program Description:

The history, theory and criticism concentration within the PhD program in design, environment and the arts focuses on the theoretical dimensions of architectural, design and art histories including critical discourse in the design or art disciplines. The program offers classes and research across many cultures, geographies and time periods, as well as many approaches and methodologies within the art history program.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus, a dissertation and two foreign language exams.

Required Core (6 credit hours)

EPD 700 Research Methods (3)

EPD 710 Current Research in Design (3)

Required Concentration (15 credit hours; choose five courses)

APH 515 Current Issues and Topics (3)

APH 590 Reading and Conference (3)

APH 598 Special Topics (3)

ARS 501 Methodologies and Art History (3)

ARS 506 Critical Studies in Roman Art (3)

ARS 514 Monasteries, Madonnas and Manuscripts (3)

ARS 533 The Pre-Raphaelites (3)

ARS 574 Studies in Japanese Art (3)

ARS 575 Approaches to Chinese Painting (3)

ARS 584 Internship (3)

ARS 585 Women in the Visual Arts (3)

ARS 591 Seminar (3)

ARS 598 Special Topics (3)

ARS 790 Reading and Conference (3)

EPD 790 Reading and Conference (3)

Electives or Research (21 credit hours)

EPD 792 or ARS 792 Research (12)

three 3-credit-hour courses at the 500 to 700 level as agreed upon by faculty mentor

Culminating Experience (12 credit hours)

EPD 799 or ARS 799 Dissertation (12)

Additional Curricular Requirements

A foreign language exam is required in order to show reading knowledge of two foreign languages as demonstrated by the exam administered by the School of International Letters and Cultures (or equivalent) during the program or by a "B" or better (scale is 4.00 = "A") in a reading course such as a 400- or 500-level special topics course (example: ITA 494 or FRE 598 for reading knowledge). These credits do not count toward the degree total unless taken at the 500 level or above and approved by the faculty mentor as a concentration course.

When approved by the student's supervisory committee, this program allows 30 credit hours from a previously awarded master's degree to be used for this program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution. Examples of appropriate fields include art history, architectural history, design history or fields in the humanities, such as history or literature; archaeology and anthropology may also be considered. Students without graduate experience in the history of art, history of architecture and history of design may be asked to fulfill deficiencies.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- abstract of proposed research
- personal statement
- letters of recommendation

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must submit to Slideroom (<https://asudesign.slideroom.com>) a personal statement, abstract of proposed research, and contact information for three references. It is required that these be submitted in addition to the Graduate College application requirements.

#### Career Opportunities:

Graduates will be able to draw on scholarship outside their own areas of concentration, which capitalizes on the eclecticism of the field and facilitates integration of diverse perspectives, enhancing their chances for success on the academic job market. Within this broad-based, on-demand program students gain an encyclopedic knowledge of basic issues in the areas of architecture, design, and art history making them more effective in a variety of locations including authentication, antiques, gallery spaces and more. A doctorate degree is necessary for responsible administrative posts in museums and higher education and for employment as a university or college faculty member.

#### Contact Information:

Design and the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

<https://herbergerinstitute.asu.edu/degree-programs/design-environment-and-arts-history-theory-and-criticism-phd>

ART 102

[designgrad@asu.edu](mailto:designgrad@asu.edu)

480-965-8521

## Digital Culture, MA (HIDGCMA)

**Online Degree Search Title:** Digital Culture, MA

**Campus:** Tempe

#### Program Description:

The MA in digital culture program is geared toward practitioners of design and the arts who have an interest in engaging in scholarly knowledge creation at the intersection of computational arts and sciences and seek to enhance their practice through expanded engagement with interactive and embodied media theory and design. The degree program allows artists and designers to explore new avenues for real-time media creation that seek to go beyond current paradigms.

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications --- and prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies. Its mission is to improve and facilitate learning, creativity and communication; it does this through the integration of human physical experience and computational and digital media practice-based methods.

Students admitted into the MA program in digital culture can explore the intersection of:

- critical media theory -- philosophical technologies, speculative design
- engineering -- social and embedded design, system engineering
- experiential media -- interaction design, responsive environments
- machine learning -- AI, augmented reality, virtual reality
- science -- mediated rehabilitation, public participation in science
- sensory -- food design and sensory science, somatic and movement studies
- sound design -- digital composition and performance, acoustic ecology
- sustainability -- sustainability and critical climate studies, urban climate infrastructure

#### Degree Requirements:

33 credit hours including the applied project course (AME 593).

Required Core (12 credit hours)

AME 520 Understanding Activity (3)

AME 530 Experiential Media Studies I (3)

AME 531 Experiential Media Studies II (3)

AME 532 Media Synthesis (3)

Electives or Research (18 credit hours)

Culminating Experience (3 credit hours)  
AME 593 Applied Project (3)

#### Additional Curriculum Information

Students should check with the academic unit regarding appropriate electives coursework.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in one of the following areas from a regionally accredited institution: arts, humanities, design, media studies, computer science, engineering or a closely related field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- portfolio
- statement of purpose
- writing sample
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A portfolio is required; however, submissions will vary depending on the background of each prospective student due to the transdisciplinary nature of the program. Applicants from a wide variety of disciplines are expected to be interested in the master's degree. Key works will be requested from applicants to illustrate the types of skills they wish to develop in the master's degree program. Examples include games they have designed and programmed, interactive installations and performances (submitted as video), websites they have created or programmed, music they have composed digitally or films they have made.

The statement should explain, in a concise and persuasive manner, how the student's educational, professional and personal experiences inform their research and creative interests, and it should elaborate on any aspect of their background that supports candidacy to the School of Arts, Media and Engineering.

#### Career Opportunities:

Graduates of the Master of Arts program in digital culture go on to careers in areas such as:

- acoustics research
- communications
- graphic design
- marketing
- mobile development
- sound design
- 3D modeling

#### Contact Information:

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF-B 217  
ameed@asu.edu  
480-965-9438

## Digital Culture, MS (HIDGCMS)

Online Degree Search Title: Digital Culture, MS

Campus: Tempe

**Program Description:**

The MS program in digital culture is designed for practitioners and makers in design and the arts who have an interest in software and system development and seek to enhance their practice through expanded engagement with interactive, embodied media design in an interdisciplinary environment. The program allows artists and designers to explore new avenues for real-time media creation that seek to go beyond current paradigms.

Coursework also explores current practices in various contexts (performance environments, health and wellbeing, social media and communication) as well as engineering-based approaches to develop experiential systems with social impact.

**Degree Requirements:**

Required Core (9 credit hours)

AME 520 Understanding Activity (3)

AME 530 Experiential Media Studies I (3)

AME 532 Media Synthesis (3)

Electives (21 credit hours)

Culminating Experience (3 credit hours)

AME 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as arts, humanities, design, media studies, computer science or engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent
- professional resume
- portfolio
- writing sample
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Writing samples can include research writing, published articles and other scholarly work.

Due to the transdisciplinary nature of the program, portfolio submissions can vary based on the prospective student's background. Materials may

illustrate the types of skills the applicant possess. Portfolios can be submitted in the form of a website, photos, video, PDFs and other physical documentation. Examples include: games designed and programmed by the applicant, music composed by the applicant, performances (submitted as video), and websites they have created or programmed.

The letter of intent should explain the how the applicant's educational, professional and personal experiences inform their research and creative interests, and it should elaborate on any aspect of the background that supports candidacy to the School of Arts, Media and Engineering.

#### **Career Opportunities:**

Graduates of the Master of Science program in digital culture go on to careers in areas such as:

- acoustics research
- communications
- graphic design
- marketing
- mobile development
- sound design
- 3D modeling

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF-B 217  
AMEED@asu.edu  
480-965-9438

## **Industrial Design, MID (HIINDMID)**

**Online Degree Search Title:** Industrial Design, MID

**Campus:** Tempe

#### **Program Description:**

The MID in industrial design is a studio-based program in which students learn to design new products and service systems that solve critical global problems.

Students engage in research, brainstorming, idea visualization, prototyping and testing of creative solutions that address critical problems faced in the world today.

Graduates of this program are adept in using principles of design innovation, sustainability and systems thinking in problem-solving.

#### **Degree Requirements:**

60 credit hours including the required capstone course (IND 622).

Required Core (40 credit hours)

Electives (12 credit hours)

Other Requirement (3 credit hours)

IND 584 Internship (3)

Culminating Experience (5 credit hours)

IND 622 Advanced Industrial Design Studio IV (5)

Additional Curriculum Information

Students should see the academic unit for an approved course list.

The Master of Interior Design program includes sequential studio courses. Requirements involve an average of 14 credit hours per semester. An internship is required during the summer prior to the final year.

Additional deficiency coursework is required for students who are in the three-year plus program; students should see the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of two references submitted via SlideRoom
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency through either the TOEFL or the IELTS regardless of current residency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The Design School requires that the portfolio, letter of intent and references be submitted via SlideRoom in addition to the Graduate College application requirements: <https://asudesign.slideroom.com/#/Login> (<https://asudesign.slideroom.com/#/Login>).

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they need to go through the entire application process again for the year in which they are applying.

The GRE is not required.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary; this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Admission requirements for the two-year program**

Applicants must hold a minimum of a bachelor's degree or equivalent or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as industrial design or product design.

**Admission requirements for the three-plus year program**

Applicants must hold a bachelor's degree or equivalent from a regionally accredited college or university of recognized standing in a field other than industrial design.

**Career Opportunities:**

Graduates are able to apply critical thinking and design processes to global opportunities needing change. They often find positions in industry and academia. Some examples include:

- civil drafter
- commercial designer
- designer
- furniture designer
- industrial designer
- mechanical drafter
- package designer
- product designer

- set and exhibit designer

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
designgrad@asu.edu  
480-965-3536

## Innovation and Venture Development, MS (HIIVDMS)

**Online Degree Search Title:** Innovation and Venture Development, MS

**Campus:** Tempe

**Program Description:**

The MS program in innovation and venture development integrates the most advanced practices and technologies from business, engineering and design in a transdisciplinary, experience-based program that prepares the next generation of leaders with skills needed for launching successful ventures in any industry or sector, inside existing organizations or as new entities.

Graduates are prepared to lead cross-disciplinary teams in a world of growing uncertainty and ambiguity. They can identify needs and evaluate opportunities, generating insights from real world problems; innovate solutions; and create and launch scalable business models that provide value to all stakeholders. Founders with this innovation and venture development degree from ASU can define a new standard for venture development.

**Degree Requirements:**

30 credit hours including the required capstone course (IVD 661).

Required Core (18 credit hours)

IVD 525 Fundamentals of Entrepreneurial Leadership (3)

IVD 560 Innovation Studio I: Discovery and Insight (3)

IVD 561 Innovation Studio II: Problem Reframing (3)

IVD 562 Innovation Studio III: Explore, Fail, Solve (3)

IVD 630 Scaling Entrepreneurial Leadership (3)

IVD 660 Innovation Studio IV: Business Model (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)

IVD 661 Innovation Studio V: Scale (6)

Additional Curriculum Information

Students should see the academic unit for a list of approved elective coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College, the Herberger Institute for Design and the Arts, the Ira A. Fulton Schools of Engineering and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in business, design, engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.



The applicant's written statement should describe an instance from the professional background outlining the applicant's use of innovation and entrepreneurial experience.

**Career Opportunities:**

Career opportunities include:

- chief innovation officer
- creative developer
- director of engineering
- founder or CEO
- innovation manager
- management consultant
- marketing director
- product developer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Dean, Herberger Institute for Design and the Arts

<https://design.asu.edu/>

CDN 162

msivd@asu.edu

480-965-3536

## Interior Architecture, MIA (HIAMIA)

**Online Degree Search Title:** Interior Architecture, MIA

**Campus:** Tempe

**Program Description:**

The MIA is a studio-based degree that provides a focused experience for students with an undergraduate degree in interior design or architecture. For students without this background, an additional three semesters of study are available.

Focusing on the development of groundbreaking design solutions to contemporary and emergent societal issues, such as sustainability and community engagement, this program draws upon history, theory and criticism to inform a collaborative, evidence-based approach to the design of interior environments. This provides a foundation of transdisciplinary learning to assist in the understanding of integrated practice.

The Master of Interior Architecture degree is accredited by the Council for Interior Design Accreditation. Completion of the degree qualifies a graduate to seek work experience as an interior designer and then sit for the National Council of Interior Design Qualification examination.

**Degree Requirements:**

56 credit hours including the required capstone course (INT 622).

Students should see the academic unit for the course list. Additional coursework is required if the student needs to take deficiency courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of two references submitted via SlideRoom (<https://asudesign.slideroom.com/#/Login>)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency:  
<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

A GRE test is not required.

The Design School requires that the portfolio, letter of intent and reference information be submitted in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Student should keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Admission Requirements for the Two-year Program:**

All applicants must have completed a minimum of a bachelor's degree (or equivalent) in interior design or interior architecture from a Council for Interior Design Accreditation-accredited program or a four-year degree in architecture from a National Architectural Accrediting Board-accredited program.

**Admission Requirements for the Three-plus-year Program:**

All applicants must have completed a minimum of a bachelor's degree (or equivalent) in a field other than in interior design, interior architecture or architecture.

### **Career Opportunities:**

The Master of Interior Architecture is a studio-based, professional degree program that prepares graduates to fill leadership positions in interior architecture, interior design practice and education.

### **Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## **Landscape Architecture, MLA (ARLDEMLA)**

**Online Degree Search Title:** Landscape Architecture, MLA

**Campus:** Tempe

### **Program Description:**

The MLA program is designed to enable students to work with communities in planning and design projects for improving the ecological and social health of their built environments, with emphasis on sustainable environments for community resilience. ASU's Master of Landscape Architecture program provides students with the ecological literacy and fluency to lead socially just urban transformations in areas of greening, decolonizing and healing places. These urban transformations are urgently needed to build better and more just neighborhoods, cities and regions.

The curriculum in this accredited degree program is designed to prepare future leaders in landscape architecture practice and for advanced study at the doctoral level. In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. This Master of Landscape Architecture degree is qualified as a STEM-designated degree program in the U.S. education designation.

There are three program paths of study available in this master's degree program:

- a 2-year program for applicants who have completed the four-year or five-year bachelor's degree in landscape architecture
- a 2-plus program (two years plus one spring) for applicants with an undergraduate degree in architecture, planning, urban design, urban planning, environmental design or a related design field
- a 3-year program for applicants with an undergraduate degree in a discipline or field other than landscape architecture or a related design field

Studio projects range from large-scale work encompassing green infrastructure, resilient design, sustainable systems design, future climate

scenarios and actions, urban ecological design, urban agriculture, landscape restoration, open space preservation and planning, community planning and design, biophilia and landscape ecological design to projects at the more intimate scale of a neighborhood park, streetscape, vacant lot transformation, campus design or residential back yard. Emerging areas of focus include climate adaptation, health and equity, creative place-making and place-keeping; environmental justice, living structures (e.g., green roofs and living walls), restorative environments, sustainable design, urban climate design, and climate justice design.

The Design School is committed to the merging of global and local contexts and concerns and, toward this end, graduate students may travel as part of their studio experience. To date, students have traveled to Argentina, Brazil, England, Ethiopia, Germany, Japan, the Netherlands, Rwanda, Spain and Turkey. The school also offers a number of summer study abroad programs in an effort to extend the student opportunities for global engagement.

#### **Degree Requirements:**

56 credit hours and a thesis, or 56 credit hours including the required applied project course (LDE 593), or 56 credit hours including the required capstone course (LDE 622).

#### Required Core (15 credit hours)

LDE 521 Advanced Landscape Architectural Studio I (5)

LDE 522 Advanced Landscape Architectural Studio II (5)

LDE 621 Advanced Landscape Architectural Studio III (5)

#### Research (9 credit hours)

DSC 598 Topic: Principles of Collaboration in Design (3)

LPH 513 Research in LA Seminar (3)

LPH 598 Topic: Landscape Architecture Research (3)

#### Electives (8 to 9 credit hours)

#### Other Requirements (18 credit hours)

LAP 584 Internship (1)

LAP 584 Internship (2)

LTC 598 Topic: Landscape Construction III (3)

LTC 598 Topic: Planting Design (3)

LPH 598 Topic: Current Issues and Topics in Landscape Architecture (3)

LPH 598 Topic: Urban Landscape Water Systems and Management (3)

LPH 691 Topic: Landscape Architecture Seminar (3)

#### Culminating Experience (5 or 6 credit hours)

LDE 593 Applied Project (5) or

LDE 599 Thesis (6) or

LDE 622 Advanced Landscape Architectural Studio IV (5)

#### Additional Curriculum Information

Students take eight to nine credit hours of design professional electives depending on the culminating experience. Students should see the academic unit for an approved elective list. For the research and other requirements sections, other courses may be used with approval of the academic unit.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- online graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of two references submitted via SlideRoom (<https://asudesign.slideroom.com/#/Login>)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The minimum score for

admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The Design School requires that the portfolio, letter of intent and reference information be submitted in addition to the Graduate College application requirements.

Applicants are encouraged to report GRE scores, especially if the applicant's background is broad or other than a traditional design major, but it is not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted; otherwise, they need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

#### Additional Admission Information

##### Admission Requirements to the 2-Year Pathway

An applicant must have completed a four-year or five-year bachelor's degree with a major in landscape architectural studies or be a licensed landscape architect. The undergraduate degree must be granted by an institution that offers the Landscape Architectural Accreditation Board or equivalent accredited degree program in landscape architecture.

##### Admission Requirements to the 2-Plus Pathway

Applicants must have earned an undergraduate or graduate degree in architecture, urban design, landscape design, planning, urban design, environmental or a related design field or applicants with a baccalaureate degree with a major or minor in landscape design.

##### Admission Requirements to the 3-Year Pathway

Applicants must have earned a baccalaureate or graduate degree in any field other than landscape architecture or a design related field.

##### Deficiency Coursework

If a student is assigned any deficiency coursework by the academic unit upon admission depending on the undergraduate background, those courses must be completed with a grade of "B" (3.00) or higher before completing the master's program required coursework. As an MLA student assigned deficiencies, there are two pathways.

Deficiency courses may include:

LAP 231 Introduction to Digital Applications for Designers (3)

LAP 251 Plant Materials for Sustainable Landscapes (3)

LAP 311 History of Landscape Architecture (3)

LAP 312 20th Century Landscape Architecture (3)

LAP 332 GIS Applications in Environmental Design (3)

LAP 341 Landscape Construction I (3)

LAP 342 Landscape Construction II (3)

LAP 352 Ecosystems and Sustainable Design (3)

LDE 590 Topic: Core Landscape Architectural Studio I (4)

LDE 590 Topic: Core Landscape Architectural Studio II (4)

#### **Career Opportunities:**

Alumni of this program have found careers with nationally recognized landscape architects in multinational firms, within public municipalities and agencies in the United States and abroad, and with urban greening nonprofit, community development and environmental justice organizations.

#### **Contact Information:**

Design and the Arts, Herberger Institute for

The Design School

<https://design.asu.edu>

CDN 162

[designgrad@asu.edu](mailto:designgrad@asu.edu)

480-965-3536

## **Media Arts and Sciences, PHD (FAMASPHD)**

**Online Degree Search Title:** Media Arts and Sciences, PhD

Academic Catalog Archive 2021-2022

**Campus:** Tempe

**Program Description:**

Media arts and sciences is a PhD program housed in the transdisciplinary School of Arts, Media and Engineering.

The school educates the next generation of learners and empowers them with technofluency --- its development, application and implications. Students are prepared to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that is increasingly shaped by new technologies.

Doctoral students in this program are provided unique opportunities to engage in knowledge creation at the intersection of computational arts and sciences using the most advanced practice-based and theoretical methods. The opportunity for active participation in transdisciplinary research teams allows media arts and sciences doctoral students to gain valuable experience as both agents of their own research and education, while fostering opportunities for collaborative and embedded research.

At the core of this program is a commitment to designing curriculum tailored to each student-researcher in conjunction with the diverse faculty, labs and centers. This allows students to facilitate the development of innovative, experiential media systems that can respond to the world's most pressing challenges. Students admitted into the media arts and sciences doctoral program can pursue research at the intersection of any of these fields, among others:

- acoustic ecology
- AI and machine learning
- auditory culture
- critical media theory
- design
- digital composition and performance
- experiential media
- food design and sensory science
- interaction design
- mediated rehabilitation
- philosophical technologies
- public participation in science
- responsive environments
- social and embedded design
- somatic and movement studies
- speculative design
- sustainability and critical climate studies
- system engineering
- urban climate infrastructure
- VR and AR

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The requirements for this program are comprised of 39 course credit hours, which include 30 from the transdisciplinary media courses offered by the School of Arts, Media and Engineering; 33 research credit hours; and 12 dissertation credit hours. All students are required to take a minimum of two courses under each of the five constituting areas of experiential media (30 credit hours).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in arts, humanities, design, media studies, computer science, engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- curriculum vitae
- statement of purpose
- three letters of recommendation

- portfolio of supporting material
- writing sample
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should explain in a concise and persuasive manner how the student's educational, professional and personal experiences inform their research and creative interests, and the student should elaborate on any aspect of their background that supports candidacy to the School of Arts, Media and Engineering program.

Each applicant must demonstrate entry-level competencies. This can be demonstrated primarily through a portfolio. The portfolio may include previously developed media products, projects or publications demonstrating an understanding of and involvement with digital media and computation. Entry-level competency can also be partially demonstrated through coursework and may include such courses as:

- advanced computer programming
- computer graphics and animation
- computer music
- digital design
- film theory
- interactive technologies
- media authoring tools
- media theory
- multimedia systems
- signal processing

Students should see the program website for application deadlines and admission terms.

#### Career Opportunities:

Graduates can go on to careers in areas such as:

- 3D modeling
- mobile and web development
- product design
- programming
- research and development across diverse industries
- software engineering
- user experience design

#### Contact Information:

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu>  
STAUF-B 217  
ameed@asu.edu  
480-965-9438

## Music (Conducting), DMA (FACONDDMA)

**Online Degree Search Title:** Conducting, DMA

**Campus:** Tempe

#### Program Description:

The DMA program in music with a concentration in conducting offers emerging conductors the opportunity to improve their art, craft and scholarship while becoming well-versed in multiple areas of conducting.

Those pursuing this degree take several common courses regardless of emphasis and become acquainted with the repertory and conducting issues for each medium. Coursework emphasizes a thorough knowledge of repertory, historical and analytical issues; an understanding of efficient, effective rehearsal technique; and clear, expressive conducting technique. Doctoral students of conducting receive considerable individual attention and have regular opportunities to rehearse and to conduct a variety of ensembles.

There are three tracks in this degree program:

Choral conducting --- Conductors specializing in choral conducting expand their expertise in vocal technique and work to integrate this into their pedagogy and rehearsal process. Score study integrates musical and textual analysis in order for students to gain insights into the unique interpretive demands of each work. Through these studies and those described above, conductors enhance their musical and interpretive skills and develop a collaborative leadership style.

Orchestra and opera conducting --- Conductors specializing in orchestra and opera conducting work closely with the director of orchestras and the artistic director of the music theatre and opera program and gain a breadth of experience in both orchestral and opera conducting. Time in front of an ensemble is essential; therefore, conductors have significant podium time as well as twice-weekly studio chamber orchestra classes. Study includes conducting technique, rehearsal technique, leadership, interpretation, score study, audience development and outreach, and career development.

Wind band conducting --- Conductors specializing in wind band conducting study privately with the director of bands and work closely with other members of the conducting faculty, including the director of athletic bands in order to develop their conducting and rehearsal skills. If interested, wind band conducting students also have opportunities to enhance their work with athletic bands and, if desired, may elect individual study with the director of athletic bands. Furthermore, many students select integrated conducting as their cognate, allowing for in-depth work in a second conducting area.

The doctoral program lecture recital is a performance with the top pool of wind and percussion players in the School of Music, Dance and Theatre and includes repertoire chosen from the complete body of wind band and chamber wind literature.

### **Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam and a research paper.

Conducting Core (18 credit hours)

Specialty Courses (9 credit hours)

Electives (9 credit hours)

Cognate (integrated conducting, instrumental performance or music learning and teaching) (9 credit hours)

Music History and Music Theory (21 credit hours)

Recitals and Research (24 credit hours)

Other Requirement

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to course enrollment in the ASU School of Music, Dance and Theatre.

Additional Curriculum Information

Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's degree in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted here:

<https://musicdancetheatre.asu.edu/degree-programs> (<https://musicdancetheatre.asu.edu/degree-programs>).

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students seeking admission typically hold an MM degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- official transcripts
- School of Music, Dance and Theatre Application (including a resume and personal statement; also an uploaded writing sample from choral

applicants): <https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>  
(<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- prescreening video
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency: TOEFL score of at least 550 (PBT) or 80 (iBT), IELTS overall band score of at least 6.5, or Pearson Test of English score of at least 60.

The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

Students should see the program website for application deadlines. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency requirements) and review of prescreening materials, an applicant may be invited for a live audition. Information on the audition may be found at <https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions>).

#### Career Opportunities:

School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- artistic director
- arts administrator
- community arts advocate
- performing musician
- public or community school teacher
- university professor

#### Contact Information:

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/conducting-dma>  
MUSIC E167  
[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)  
480-965-5069

## Music (Ethnomusicology), MA (FAETHNMA)

**Online Degree Search Title:** Ethnomusicology, MA

**Campus:** Tempe

#### Program Description:

The MA program in music with a concentration in ethnomusicology helps students develop skills in scholarship and performance as they focus on aspects of one or more of the world's musical cultures.

Students can explore performance styles outside the Western European canon through participation in ensembles such as Javanese gamelan, Latin marimba, mariachi, steel pan and African drumming. As a culminating demonstration of professional capability in the major field, the student must submit a final project that demonstrates advanced competence in research and writing in musicology or ethnomusicology. The final project may be a thesis, a series of special papers or a written work of equivalent scope and depth.

#### Degree Requirements:

30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

Required Core (13 credit hours)  
MHL 532 Music Bibliography (3)



MHL 668 Introduction to Ethnomusicology (3)  
MUP 587 Ethnomusicology Ensembles (2)  
music theory (5)

Electives (9 credit hours)  
music electives (6-9)  
open electives (0-3)

Research (2 credit hours)  
MHL 592 Research (2)

Culminating Experience (6 credit hours)  
MHL 599 Thesis (6)

#### Additional Curriculum Information

MHL 592 Research is taken concurrently with the second semester of MUP 587 Ethnomusicology Ensembles.

At least 20 credit hours for the program must be in the field of ethnomusicology or related fields approved by the student's advisor, complemented by courses in music theory, performance and cultural anthropology as listed above. Appropriate elective coursework is reviewed and approved by the academic unit prior to inclusion on the student plan of study. No more than three credit hours of musicology may apply to the music electives requirement.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

A passing grade on the foreign language exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted under each degree here: <https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution or from an international institution officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume, personal statement and writing sample):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- three letters of recommendation
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The

School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Students should see the program website for application deadlines.

#### Career Opportunities:

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many

sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

- arts administrator
- community arts advocate
- ethnomusicologist
- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/music/musicology?dept=392823&id=1>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## Music (Interdisciplinary Digital Media), DMA (FAINTDDMA)

**Online Degree Search Title:** Music (Interdisciplinary Digital Media), DMA

**Campus:** Tempe

**Program Description:**

The DMA program in music with a concentration in interdisciplinary digital media is a unique collaboration of the School of Music, Dance and Theatre and School of Arts, Media and Engineering. This degree program is designed for students who have interests and the creative skills to work within a cross-section of the arts and sciences.

Program offerings extend beyond typical music coursework of the School of Music, Dance and Theatre, to allow more opportunities for digital sound and experimental media projects.

The program also allows the School of Music, Dance and Theatre and its students to be actively involved in current developments in the ever-changing field of media and digital culture. The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses in electronic music are invaluable assets to music students, with resources that complement existing and future courses in electronic music.

This program provides extensive faculty interaction from both the School of Music, Dance and Theatre and the School of Arts, Media and Engineering.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (25-27 credit hours)

Music Theory Core Area (12-19)

Music History Core Area (6-15)

Concentration (33 credit hours)

MTC 523 Advanced Composition (6)

MTC 723 Advanced Composition (6)

Arts, Media and Engineering coursework (21)

Electives (9-11 credit hours)

Research (9 credit hours)

MTC 792 Research (9)

Culminating Experience (12 credit hours)

MTC 799 Dissertation (12)

#### Additional Curriculum Information

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Concentration coursework for the Arts, Media and Engineering area must be from the AME prefix.

This program accepts up to 30 credit hours from a previously awarded master's degree with approval from the academic unit and the Graduate College that may be used toward the hours required for the elective and concentration coursework.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted here: <https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country and officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume and personal statement):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- GRE or MAT scores
- prescreening portfolio
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or IELTS overall band score of at least 6.5, or Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After all application materials are received and reviewed, including recommendation letters, transcripts and English proficiency requirements, an applicant may be invited for a live interview. Information about the interview may be found at <https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions>).

#### Career Opportunities:

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composers for film, video games, television
- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/music-interdisciplinary-digital-media-dma>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## Music (Music Composition), DMA (FACOMPDMA)

**Online Degree Search Title:** Music Composition, DMA

**Campus:** Tempe

**Program Description:**

The DMA in music with a concentration in music composition is a comprehensive professional degree program designed for outstanding students of acoustic, electronic and multimedia composition who are preparing for professional careers, including teaching positions at the university level.

This degree program provides extensive faculty interaction as well as opportunities to develop advanced skills in compositional techniques from a wide variety of styles and traditions with emphasis on fostering students' personal approach to composition. The opportunity to collaborate with music scholars, theorists, performers, educators and other composers provides students with a broad and well-rounded foundation for advanced careers in music.

**Degree Requirements:**

90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The credit requirements for the degree are distributed as follows:

major area (composition, music technology, electives) (36 credit hours)

music theory and music history (30 credit hours)

research (12 credit hours)

dissertation (12 credit hours)

The music composition concentration requires the creation of a significant original work of music (considered to be a dissertation) and either two article-length research papers or a substantial paper.

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years in the program beyond the master's degree. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Additional information about degree requirements for all graduate music programs may be found on the check sheets:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of a bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume and personal statement):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

steps-to-apply)

- official transcripts
- prescreening portfolio
- GRE or MAT scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After receipt of complete application materials, including recommendation letters, transcripts and English proficiency, and review of prescreening materials, an applicant may be invited for an interview. Information about the interview may be found at <https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

#### Career Opportunities:

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composers for film, video games, television
- performing musician
- public or community school teacher
- university professor

#### Contact Information:

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/music-composition-dma>  
MUSIC E167  
mdtadmissions@asu.edu  
480-965-5069

## Music (Music Learning and Teaching), PHD (FAMUSEDPHD)

**Online Degree Search Title:** Music (Music Learning and Teaching), PhD

**Campus:** Tempe

#### Program Description:

The PhD in music with a concentration in music learning and teaching is a scholarly research degree. Graduates of this program typically serve as faculty members at colleges or universities.

The music learning and teaching doctoral program includes highly specialized study in music education, elective studies with scholars and artists in the Herberger Institute for Design and the Arts, and opportunities for transdisciplinary elective study with faculty in schools and colleges across the university. A plan of study is designed by the student in consultation with the faculty to support a research trajectory identified by the student.

Research conducted by students in the music learning and teaching concentration aims to reexamine, interrogate and broaden discourse, practice and policy in music education, and to expand music and education scholarship by challenging methodological and disciplinary boundaries. The program concludes with dissertation research.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (10 credit hours)

MSI 601 Contemporary Topics in Music Research (2)

MSI 602 Current Issues in Music Research (2)

MSI 755 Historical Research in Music (3)

MTC 520 Analytical Techniques (3)

Concentration (30 credit hours)

Electives (29 credit hours)

Research (6 credit hours)

Other Requirements (3 credit hours)

MUE 784 Internship (3)

Culminating Experience (12 credit hours)

MUE 799 Dissertation (12)

Additional Curriculum Information

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Students should see the academic unit for a complete list of approved electives.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. A minimum of two semesters must be spent in continuous full-time residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the check sheets:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including curriculum vitae, personal statement and a writing sample):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- teaching demonstration video
- GRE or MAT scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60. <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Applications are accepted and reviewed on a rolling basis until all spaces are filled. Applicants are encouraged to apply as early as possible. Students should see the program website for more information on application deadlines. To ensure prompt processing of application, students

should email [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) after submitting an application. An interview with the music learning and teaching doctoral faculty in person or via electronic media is scheduled after review of application materials. GRE or MAT scores may be submitted after deadlines, but these must be received before enrollment at ASU.

**Career Opportunities:**

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music. Graduates become scholars, researchers, music and arts administrators, and public policy advisors to education and arts organizations or civic and governmental groups.

Career examples include:

- arts administrator
- community arts advocate
- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/music/music-learning-and-teaching?dept=392823&id=1>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## Music (Musicology), MA (FAMHISTMA)

**Online Degree Search Title:** Music (Musicology), MA

**Campus:** Tempe

**Program Description:**

In the MA program in music, faculty members provide and participate in multisensory learning experiences concerning forms and genres, performance practices, instruments, spaces, philosophies, musical infrastructures and geographic locations.

The faculty comprises leading scholars specializing in western and non-western music, particularly traditions in the Americas and Eastern Europe (Russia, Ukraine, USSR), and musics of the Middle East, Central Asia, Latin America, and Indonesia as well as Medieval music cultures, the long nineteenth century, jazz, music in popular cultures, musical modernism and experimentalism, intellectual property law, cultural policy, improvisation, sound studies, ecomusicology, dance and embodiment, and music's role in well-being.

The student must submit a final project that demonstrates advanced competence and professional capability in research and writing in musicology or ethnomusicology. The culminating project may be a thesis, a series of special papers or a written work of equivalent scope and depth.

**Degree Requirements:**

30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

Required Core (14 credit hours)

MHL 532 Music Bibliography (3)

MHL 691 Seminars (6)

music theory (5)

Electives (8 credit hours)

music electives (5-8)

open electives (0-3)

Other Requirement (2 credit hours)

performance ensembles (2)

Culminating Experience (6 credit hours)  
MHL 599 Thesis (6)

#### Additional Curriculum Information

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

At least 20 credit hours of this program must be in the field of music history and literature.

Appropriate elective coursework is reviewed and approved by the academic unit prior to inclusion on the student's plan of study. Students may not apply more than three credit hours of ethnomusicology courses toward their plan of study.

A passing grade on the foreign language exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the check sheets:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume, personal statement and writing sample):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60. <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Students should see the program website for application deadlines.

#### Career Opportunities:

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- community arts advocate



- musicologist
- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/music/musicology?dept=392823&id=1>

MUSIC E167

mdtadmissions@asu.edu

480-965-5069

## Music (Musicology), PHD (HIMUSMPHD)

**Online Degree Search Title:** Music (Musicology), PhD

**Campus:** Tempe

**Program Description:**

The PhD program in music with a concentration in musicology focuses on the scholarly study of music in historical contexts, musical traditions as sociocultural artifacts and behaviors, and performance. These areas are approached through the investigation of forms, genres, styles, performance practices, instruments, spaces, philosophies, musical infrastructures and geographic locations. Faculty members include Sabine Feisst, Dave Fossum, Kay Norton, Catherine Saucier, Peter Schmelz, Ted Solis, Christi Jay Wells, and faculty associates Bliss Little and Glen Hicks.

Coursework includes historiography, applied musicology, methodologies and pedagogy. Transdisciplinary studies are encouraged with scholars and artists in the School of Music, Dance and Theatre (e.g., a studio professor, music theorist, or composer), the Herberger Institute for Design and the Arts (e.g., a Design or Dance faculty member), and faculty in schools and institutes across the university (e.g., specialists in languages, regions or cultures).

A plan of study is designed by the student with the faculty to support an individualized research trajectory. Research conducted by students in the doctoral program in musicology aims to examine and interrogate the discipline of musicology and to expand the traditional boundaries of music scholarship by challenging methodological and disciplinary boundaries. The program concludes with a dissertation.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, two foreign language exams and a dissertation.

Required Core (10 credit hours)

MSI 601 Contemporary Topics in Music Research (2)

MSI 602 Current Issues in Music Research (2)

MSI 755 Historical Research in Music (3)

MTC 520 Analytical Techniques (3)

Concentration (15 credit hours)

MHL 632 Applied Musicology (3)

MHL 668 Introduction to Ethnomusicology (3)

MHL 691 Seminars (9)

Electives and Research (17 credit hours)

Teaching Experience (6 credit hours)

MHL 684 Internship (3)

MHL 691 Topic: Music History Pedagogy (3)

Culminating Experience (12 credit hours)

MHL 799 Dissertation (12)

Additional Curriculum Information

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

As part of the concentration coursework, students take three seminars for three credit hours each. Equivalent courses may be used with preapproval by the student's faculty advisor. No more than six credit hours outside of the School of Music, Dance and Theatre may apply to this requirement.

Teaching experience requirements consist of MHL 691 Music History Pedagogy, in which students examine multiple facets and modalities of teaching music history, and MHL 684 Internship, in which students teach an appropriate undergraduate musicology course as instructor of record, with guidance of the musicology faculty.

Students should see the academic unit for a complete list of approved electives and research courses.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree program. Students entering the program without an earned MA degree will complete the requirements for the Master of Arts in music with a concentration in ethnomusicology or musicology.

Additional information on degree requirements for all graduate music programs may be found on the check-sheets:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U. S. bachelor's degree in music or a graduate degree from an accredited college or university of recognized standing in music history, musicology, ethnomusicology or music theory.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

The School of Music, Dance and Theatre application must include a curriculum vitae, a two-page personal statement expressing the goal in pursuing this degree and two writing samples: <https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>). It's preferable that each of the writing samples be a paper from a course, either an upper-level undergraduate course or a graduate course, or an article or document written by the applicant.

Students should see the program website for application deadlines.

### **Career Opportunities:**

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

- arts administrator
- community arts advocate
- musicologist
- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/music/musicology?dept=392823&id=1>

MUSIC E167

mdtadmissions@asu.edu

480-965-5069

## Music (Performance), DMA (FAPERFDMA)

**Online Degree Search Title:** Music Performance, DMA

**Campus:** Tempe

**Program Description:**

The DMA in music with a concentration in performance is a professional degree program for advanced musicians who desire high levels of performance instruction and experience as well as preparation for teaching positions at the university level.

Students work with faculty mentors toward achieving a professional level of performance through individual recitals, chamber music, and ensembles including choral, orchestral, jazz, musical theatre and opera ensembles, depending on their area of emphasis.

Performance opportunities both on and off campus further develop the knowledge and abilities necessary to become a leader in a musical community through teaching, performing or arts advocacy. The program provides students the opportunity to work closely with an individual faculty mentor and distinguished guest artists to further enhance musical growth. Students serve as leaders, mentors and models for their younger colleagues in performances, pedagogical experiences and community engagement. The opportunity to collaborate with music scholars, theorists, composers, educators, dancers and theatre artists provides students with the variety of experiences and skills necessary for artistic excellence and leadership.

**Degree Requirements:**

90 credit hours, a research paper, a written comprehensive exam and an oral comprehensive exam.

Required Core (4 credit hours)

MUP 727 Studio Instruction (4)

Performance Concentration (24 credit hours)

MUP 727 Studio Instruction (12)

MUP 796 Solo Performance (Recital) (12)

Emphasis Area Coursework (23 credit hours)

Electives (27 credit hours)

Research (12 credit hours)

MUP 792 Research (12)

Culminating Experience (0)

Research paper in the form of a bound document

**Additional Curriculum Information**

Students select an area of emphasis from the following: piano pedagogy, collaborative piano, instrumental, keyboard, and voice. Emphasis coursework depends on the area selected. Students should work in consultation with their academic advisor in the development of their plan of study.

The performance concentration requires at least three recitals after admission to the program and a research paper. Five recitals are required for the collaborative piano emphasis.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

30 credit hours from a previously awarded master's degree may be applied toward the 90-credit hour degree requirement with approval from the academic unit and the Graduate College. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Vocalists: Placement tests in both foreign language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country. Students seeking admission typically hold a Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music program.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume and personal statement repertoire list):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- prescreening recording
- three letters of recommendation
- teaching demonstration video (piano pedagogy applicants)
- writing sample (solo piano and piano pedagogy applicants)
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After the applicant's complete application materials are received (including recommendation letters, transcripts and English proficiency) and a review has been conducted of prescreening materials, an applicant may be invited for a live audition. Information about the audition may be found at <https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions>).

### **Career Opportunities:**

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

- arts administrator
- community arts advocate
  - composers for film, video games, television
- music therapist
- performing musician
  - public or community school teacher
  - university professor

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/music-performance-dma>  
MUSIC E167  
mdtadmissions@asu.edu  
480-965-5069

## Music Entrepreneurship (Certificate), Certificate (HIMERTGRCT)

**Online Degree Search Title:** Music Entrepreneurship (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

Music entrepreneurship is a discipline that intersects the traditional music disciplines. Music entrepreneurship harnesses the skills and mindset of the entrepreneur to empower musicians to create work that is meaningful, sustainable and oriented to community and market need.

Students in music and students with a background in music benefit from the business, marketing and organizational skills offered by certificate courses as applied specifically to and within the arts.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

MUP 538 The Enterprising Musician (3)

Electives (9 credit hours)

Internship (3 credit hours)

MSC 584 Internship (3)

Additional Curriculum Information

In consultation with the faculty coordinator, students select three electives based on their interests and goals for the certificate.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in music or related field, from a regionally accredited institution, or can demonstrate a background in music.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- written statement
- interview
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa need to first apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants may be admitted to the certificate by submitting a statement of interest outlining their music background and personal goals. Applicants also interview with program faculty to demonstrate their music-related skills.

**Career Opportunities:**

A certificate in music entrepreneurship can help students enhance the marketable skills they acquire in their major program and help them develop new skills, including marketing, business practices, grant writing, arts administration and fundraising management.

Career examples include:

- arts administrator
- community arts advocate
- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/minors-certificates>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## Music Learning and Teaching, MM (FAMUSEDMM)

**Online Degree Search Title:** Music Learning and Teaching, MM

**Campus:** Tempe

**Program Description:**

The MM program in music learning and teaching is designed for individuals interested in music learning or in teaching music in public and private schools, community education settings, early childhood programs and adult education. Practicing teachers may enroll as well as community musicians and music educators interested in advanced studies in music learning and teaching or research in the field.

Students may elect courses in each part of the degree program and may design a course of study that meets their specific interests and needs. The program provides opportunities to study full time, part time (through evening courses), in the summers only, or by combining full-time, part-time and summer study. Options for pursuing teacher certification are also available. Full-time students may complete the program in as little as one year.

**Degree Requirements:**

32 credit hours and a written comprehensive exam.

The degree credit requirements are distributed as follows:

music education core (10 credit hours)

musicianship core (10 credit hours)

specialization (12 credit hours)

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Six credit hours may be transferred from another regionally accredited graduate institution. Up to nine credit hours may be taken prior to admission.

As part of the portfolio, students also must participate in an oral review that is monitored internally by the academic unit.

Additional information about degree requirements for all graduate music programs may be found on the check sheets:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program.

All applicants must submit:

- online graduate admission application and application fee
- School of Music, Dance and Theatre application (including a resume): <https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)
- official transcripts
- three letters of recommendation
- proof of English proficiency:

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) (<mailto:MDTAdmissions@asu.edu>) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Applications are accepted until all spaces are filled and are reviewed on a rolling basis. Applicants are encouraged to apply as early as possible and should see the program website for more information about application deadlines. To ensure prompt processing of application, applicants should email [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) (<mailto:MDTAdmissions@asu.edu>) after submitting an application.

#### Career Opportunities:

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- performing musician
- public or community school teacher
- university professor

#### Contact Information:

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/music/music-learning-and-teaching?dept=392823&id=1>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## Music Theory Pedagogy (Certificate), Certificate (HIMTPGRCT)

**Online Degree Search Title:** Music Theory Pedagogy (Graduate Certificate)

**Campus:** Tempe

#### Program Description:

This certificate in music theory pedagogy offers specialized study in music theory to help prepare students to teach undergraduate courses in fundamentals, harmony, musicianship and basic form analysis. Completion of this certificate indicates the student is prepared to offer instruction in basic music theory at the college level.

The certificate may be pursued concurrently with enrollment in a master's degree program or doctoral degree program in the School of Music, Dance and Theatre.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

MTC 525 Pedagogy of Theory (3)

Other Requirement (3 credit hours)

MTC 584 Internship (3)

Electives (9 credit hours)

Additional Curriculum Information

Completion of diagnostic examinations in music history and music theory, administered by the School of Music, Dance and Theatre, is required of all new graduate music students before enrolling in any graduate academic courses towards the certificate program.

Electives are selected with advisor approval from MTC courses in analytical topics. Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Students who are interested in this certificate should email the academic unit prior to submitting an official application, to express their interest in the certificate.

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree in music or music education from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country. Other majors may be considered if applicants submit transcripts showing formal study in music theory and musicianship at least equivalent to what is required of ASU's undergraduate music majors (MHL 140, MHL 341 and MHL 342, MTC 125, MTC 221, MTC 222, and MTC 223). The music theory faculty review transcripts for equivalency. In some cases, course descriptions or syllabi are required to verify equivalency.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in any applicable graduate work.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- samples of work
- statement of interest
- proof of English language proficiency

Additional Admission Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English score of at least 60

Official transcripts must show a completed bachelor's degree from a regionally accredited institution in the U.S. or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country. Also, if applicable, transcripts showing all coursework in music at the graduate level are required. The committee supervising this certificate program consider an applicant's undergraduate record (and graduate record if appropriate) in music theory, evaluating courses taken and grades received. A minimum GPA of 3.00 in these courses is required. International students applying to this certificate must also be in a degree program at ASU.

Applicants must submit a statement of interest offering reasons for applying to the certificate program and describing their experience and coursework in music theory. The essay should also indicate the applicant's level of piano proficiency (a necessary classroom skill) through a description of their study and their experience in keyboard performance.

Applicants also are asked to show proficiency in music theory by submitting samples of work, such as analytical papers and examples of music



writing (harmonic part-writing or counterpoint exercises).

**Career Opportunities:**

A certificate in music theory pedagogy can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a certificate alone can provide.

Career examples include:

- arts administrator
- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/minors-certificates>  
MUSIC E167  
mdtadmissions@asu.edu  
480-965-5069

## Music Therapy, MM (FAMTHERMM)

**Online Degree Search Title:** Music Therapy, MM

**Campus:** Tempe

**Program Description:**

The MM program in music therapy provides students with graduate-level study in the theory, practice and research of music therapy.

There is a two-year track for those who have completed either the undergraduate music therapy degree or its equivalent and who are board-certified or hold a similar international music therapy credential. Additionally, a three-year track is offered for those who have an undergraduate degree in music but not in music therapy.

The master's degree program fosters an expanded research perspective in music therapy, emphasizing community partnerships and program development with a concentration in the student's area of choice, drawing from a number of possible options. Cognate areas include counseling and counseling psychology, special education, gerontology, social work, audiology and speech-language or other areas of choice from the many options.

**Degree Requirements:**

33 credit hours including the required applied project course (MUE 586) and a written comprehensive exam, or 33 credit hours, a thesis and a written comprehensive exam, or 63 credit hours including the required applied project course (MUE 586) and a written comprehensive exam, or 63 credit hours, a thesis and a written comprehensive exam.

The degree credit requirements for the two-year track are distributed as follows:

music therapy core (16 credit hours)  
other studies in music (8 credit hours)  
clinical cognate (9 credit)

**Three-Year Track:** In addition to the requirements stated above, the three-year track requires 30 credit hours of deficiency coursework for a total of 63 credit hours, including completion of an internship required for certification.

**Additional Curriculum Requirements**

Completion of diagnostic exams in music history and music theory is required of all new graduate-level music students prior to enrollment in the ASU School of Music.

Additional information about degree requirements for all graduate music programs may be found on the check sheets:  
<https://musicdancetheatre.asu.edu/degree-programs/music/graduate..>

Graduates are eligible to sit for the music therapy certification examination given by the Certification Board for Music Therapists. Students should visit this website for information about licensure in Arizona and other states: <https://asuonline.asu.edu/about-us/licensure/>

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree in music or music therapy from a regionally accredited institution or the equivalent of a U.S. bachelor's or master's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume and personal statement):

<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>  
(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>)

- official transcripts
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency (<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)). The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

All applicants are required to perform a live audition or submit an audition recording (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions>)). Auditions are scheduled only after complete application materials have been received.

Applicants to the three-year track must complete the prerequisite courses listed below, which are not a part of the coursework for the MM program in music therapy (three-year track) but are required for eligibility to sit for the board-certification exam ([www.cbmt.org](http://www.cbmt.org) (<http://www.cbmt.org>)). These prerequisites may be taken during undergraduate study, at a community college or other university before beginning the Master of Music program in music therapy (three-year track), during summer sessions at ASU, or online through an accredited institution recognized by ASU. An applicant is eligible to apply to the Master of Music program in music therapy (three-year track) while completing these prerequisites and may finish these courses during the first year in the music therapy program, although this additional work may present a hardship. The prerequisite courses must be completed before a student begins the internship at the end of their first year of study at ASU, unless prior arrangements have been made. Completing the prerequisite courses prior to beginning the Master of Music program in music therapy (three-year track) is highly recommended.

- Introduction to Psychology
- Abnormal Psychology
- Overview of Exceptional Children/Special Education

Applicants should visit the program website for more information on application deadlines. To ensure prompt processing of application, applicants should email [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) (<mailto:MusicAdmissions@asu.edu>) after submitting an application. An in-depth interview emphasizing the applicant's music therapy philosophy, research activities and clinical interests is scheduled after receipt of complete application materials. A phone interview may be arranged.

**Career Opportunities:**

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

- arts administration
- community arts advocate
- music therapist

- performing musician
- public or community school teacher
- university professor

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/music/music-therapy?dept=392823&id=1>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## Performance (Collaborative Piano), MM (FACPIANOMM)

**Online Degree Search Title:** Piano, Collaborative, MM

**Campus:** Tempe

**Program Description:**

The MM program in performance with a concentration in collaborative piano gives students the opportunity to perform with all instrumental areas and voice, focusing on collaborative endeavors such as song recitals, instrumental duos and chamber music, operatic and musical theatre productions, and participation in large ensembles.

Students refine their pianistic technique while developing the specific knowledge and abilities to be skilled and sensitive musical collaborators. Collaborative piano students have an impact on every area of the School of Music, Dance and Theatre, and their work with singers, instrumentalists, choral and large ensembles, composers, music theatre and opera colleagues leads toward advanced careers in music.

**Degree Requirements:**

32 credit hours and a written comprehensive exam.

Required Core (4 credit hours)

MUP 527 Studio Instruction (4)

Concentration (14 credit hours)

MUP 511 Studio Instruction: Piano (4)

MUP 527 Studio Instruction: Collaborative Piano (4)

MUP 588 Collaborative Piano (2)

MUP 596 Solo Performance (2)

MUP 597 Solo Performance (2)

Electives (2-3 credit hours)

Other Studies in Music (11-12 credit hours)

music history (6)

music theory (5-6)

Culminating Experience (0 credit hours)

written comprehensive exam (0)

Additional Curriculum Requirements

The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Additional information on degree requirements for all graduate music majors may be found on the check sheets posted under each degree:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- School of Music, Dance and Theatre application (including a resume, personal statement and repertoire list):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of complete application materials. Information about the audition may be found at <https://musicdancetheatre.asu.edu/> (<https://musicdancetheatre.asu.edu/>).

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should email [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Applicants should see the program website for application deadlines. After an applicant's completed application materials have been received, including recommendation letters, transcripts and English proficiency, the applicant is confirmed for an audition.

### **Career Opportunities:**

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music. Career examples include:

- arts administrator
- community arts advocate
- performing musician
- public or community school teacher
- university professor

### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/piano-collaborative-mm>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## **Performance (Conducting), MM (HIPERCOMM)**

**Online Degree Search Title:** Performance (Conducting), MM

**Campus:** Tempe

### **Program Description:**

The MM in performance with a concentration in conducting presents conductors of orchestras or wind bands with the opportunity to improve their art, craft and scholarship in pursuit of both professional and academic career aspirations. This program is also beneficial for public school teachers of orchestras and wind bands who want to strengthen their skills.

There are three tracks within this concentration.

The wind band track allows conductors to study privately with the director of bands and work closely with other members of the conducting faculty, including the director of athletic bands, to develop their conducting and rehearsal skills.

Podium time is essential for the development of conducting skills; therefore, wind band conductors enjoy significant time leading the ASU Wind Ensemble and Wind Symphony, serving as assistant conductor of the Maroon Band, and co-directing the Gold Band. Another exciting opportunity is the ASU Chamber Winds, a stand-alone graduate-level chamber wind group that the wind band conducting students get to work with twice a week.

The orchestral track is designed to meet the needs of the conductor who focuses on orchestral conducting. Required courses are specific to orchestral conducting, and elective courses provide additional opportunities for further orchestral study.

The music direction track is designed to meet the needs of the musical director focusing on musical theatre and opera conducting. Required courses focus on music theatre and opera rehearsal techniques, technical production and repertoire.

### **Degree Requirements:**

32 credit hours including a written comprehensive exam.

Required Core (4 credit hours)

MUP 527 Studio Instruction (4)

Concentration (7 credit hours)

MUP 596 Solo Performance (1)

MUP 597 Solo Performance (1)

Choose from the following for a total of 5 credit hours:

MUE 564 Instrumental Music, Advanced Rehearsal Techniques (3)

MUP 540 Principles of Integrated Conducting (2)

MUP 551 Repertoire: Music Theatre Repertoire (2)

MUP 571 Music Theatre: Workshops (2)

MUP 573 Music Theatre: Performance (1)

Track (9-10 credit hours)

Other Studies in Music (11-12 credit hours)

music history (6)

music theory (5-6)

Culminating Experience (0 credit hours)

written comprehensive exam (0)

Additional Curriculum Requirements

Students select a track from the following: wind band, orchestral or music direction. Students should see the academic unit for specific concentration and track course requirements for each track.

The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework.

Track credit hours may include electives depending on course selections.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Additional information on degree requirements for all graduate music majors may be found on the check sheets posted under each degree:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree

program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume, personal statement and repertoire list):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- prescreening video
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Information is available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university, or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Applicants should see the program website for application deadlines. After an applicant's complete application materials have been received, including recommendation letters, transcripts and English proficiency requirements, and a review has been conducted of prescreening materials, the applicant may be invited for a live audition. Information about the audition component may be found at <https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions>).

### **Career Opportunities:**

Musicians with expertise in performing, composing, teaching, researching and arts advocacy and are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

- artistic director
- arts administrator
- community arts advocate
- conductor
- performing musician
- public or community school teacher
- university professor

### **Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/performance-conducting-mm>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## **Performance (Performance Pedagogy), MM (FAPPEDMM)**

**Online Degree Search Title:** Performance Pedagogy, MM

**Campus:** Tempe

### **Program Description:**

The MM program in performance with a concentration in performance pedagogy concentrates on the performance and teaching of music with an emphasis on pedagogy.

Students work on their own performance skills while developing the knowledge and abilities to be outstanding teachers in their area through pedagogy classes, observation and teaching in private and group settings.

The opportunity to collaborate with music scholars, theorists, composers, educators, dancers and theatre artists provides students with a foundation for a career as a performer, teacher and musician of the highest level. There is also the possibility of engaging in local and state professional organizations and presenting scholarly research or creative activities through workshops or publications.

**Degree Requirements:**

32 credit hours and a written comprehensive exam.

Required Core (4 credit hours)

MUP 527 Studio Instruction (4)

Concentration (6 credit hours)

MUP 527 Studio Instruction (4)

MUP 596 Solo Performance (1)

MUP 597 Solo Performance (1)

Area of Emphasis (10-11 credit hours)

Other Studies in Music (11-12 credit hours)

music history (6)

music theory (5-6)

Culminating Experience (0 credit hours)

written comprehensive exam (0)

Additional Curriculum Requirements

Students select an area of emphasis from the following: instrumental pedagogy, piano pedagogy or voice pedagogy. Students should see the academic unit for specific requirements for the selected area of emphasis.

Area of emphasis credit hours may include electives, depending on course selections.

The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Additional information on degree requirements for all graduate music majors may be found on the check sheets posted under each degree here: <https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (http://Additional information on degree requirements for all graduate music majors may be found on the check sheets posted under each degree here: <https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume, personal statement and repertoire list):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- three letters of recommendation
- voice applicants: a prescreening video
- piano applicants: a teaching demonstration video
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music does not offer conditional admission under any circumstances.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of complete application materials and, when applicable, favorable review of prescreening materials. Information about the audition may be found at <https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions>).

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Voice applicants: Students should see the program website for application deadlines. After receipt of complete application materials, including recommendation letters, transcripts and proof of English proficiency, and review of prescreening materials, an applicant may be invited for an audition.

Instrumental and keyboard applicants: Students should see the program website for application deadlines. After an applicant's complete application materials have been received, including recommendation letters, transcripts and proof of English proficiency, the applicant will be confirmed for an audition.

### **Career Opportunities:**

School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composers for film, video games, television
- music therapist
- performing musician
- public or community school teacher
- university professor

### **Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/performance-pedagogy-mm>  
MUSIC E167  
[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)  
480-965-5069

## **Performance (Performance), MM (FAPERF3MM)**

**Online Degree Search Title:** Music Performance, MM

**Campus:** Tempe

### **Program Description:**

The MM program in performance concentrates on the performance and teaching of music with an emphasis in performance.

Students work with faculty mentors to achieve a professional level of performance through individual recitals; chamber music; and choral, orchestral, jazz, music theatre and operatic ensembles, depending on their area of emphasis. Performance opportunities both on and off campus further develop the knowledge and abilities necessary to become leaders in a musical community through teaching, performing or art advocacy. The opportunity to collaborate with music scholars, theorists, composers, educators, dancers and theatre artists provides students with a broad and well-rounded foundation for advanced careers in music or continued study at the doctoral level.



**Degree Requirements:**

32 credit hours and a written comprehensive exam.

Required Core (4 credit hours)

MUP 527 Studio Instruction (4)

Concentration (6 credit hours)

MUP 527 Studio Instruction (4)

MUP 596 Solo Performance (1)

MUP 597 Solo Performance (1)

Area of Emphasis (6 credit hours)

Electives (4-5 credit hours)

Other Studies in Music (11-12 credit hours)

Culminating Experience (0 credit hours)

written comprehensive exam (0)

Additional Curriculum Requirements

Students select an area of emphasis from the following: instrumental performance, jazz performance or keyboard performance. Students should see the academic unit for specific requirements for the selected area of emphasis.

The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework. Students should see the academic unit for specific requirements.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Additional information on degree requirements for all graduate music majors may be found on the check sheets posted under each degree:

<https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume, personal statement and repertoire list):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- prescreening video (voice applicants)
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency (<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)). The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of completed application materials and, when applicable, a favorable review of prescreening materials. Information about the audition may be found at <https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions>).

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music

should contact [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

**Voice Applicants:** Students should see the program website for application deadlines. After receipt of completed application, including recommendation letters, transcripts and proof of English proficiency, and review of prescreening materials, an applicant may be invited for an audition.

**Instrumental and Keyboard Applicants:** Students should see the program website for application deadlines. After an applicant's complete application materials have been received, including recommendation letters, transcripts and proof of English proficiency, the applicant is confirmed for an audition.

### **Career Opportunities:**

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composers for film, video games, television
- performing musician
- public or community school teacher
- university professor

### **Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/music-performance-mm>  
MUSIC E167  
[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)  
480-965-5069

## **Socially Engaged Practice in Design and the Arts (Certificate), Certificate (HISEPGRCT)**

**Online Degree Search Title:** Socially Engaged Practice in Design and the Arts (Graduate Certificate)

**Campus:** Tempe

### **Program Description:**

This certificate program in socially engaged practice in design and the arts places designers, artists, scholars and educators in public life and prepares students to use their creative capacities to advance culture, strengthen democracy and imaginatively address today's most pressing challenges. This certificate is an integrated, community-engaged design and arts program serving all Herberger Institute students, faculty and staff as well as the larger ASU community. Participants engage in direct and ethical partnership and collaboration with communities, civic and industry partners to learn and practice programming that activates partner goals and facilitates experiential learning and creation.

### **Degree Requirements:**

15 credit hours including the required applied project course (ART 593 or AME 593 or DCE 593, or DCE 693, or DSC 593 or DSC 693, or MUP 593 or MUP 693, or THP 593 or THP 693).

Required Core (6 credit hours)

ART 542 Art and Community (3) or THP 514 Projects in Community-Based Theatre (3)

HDA 510 Design and the Arts Corps Seminar (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

Applied Project (3)

#### Additional Curriculum Information

The applied project is a 593 course in AME, DCE, DSC, MUP, THP or a 693 course in DCE, DSC, MUP or THP.

Students should see the academic unit for appropriate elective coursework.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent
- written recommendation or nomination letter
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students must maintain a 3.50 GPA in the certificate program.

No admission examinations are required.

#### Career Opportunities:

This certificate program allows students to develop unique pathways that also earn micro-credentials across a broad range of competencies including:

- asset-based community cultural development
- ethical communication
- ethics
- group facilitation
- project management
- project structuring and evaluation

#### Contact Information:

Design and the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/national-accelerator/design-and-arts-corps>  
GHALL 132  
HerbergerAdmissions@asu.edu  
480-965-5337

## Theatre, MA (FATHEAMA)

**Online Degree Search Title:** Theatre, MA

**Campus:** Tempe

#### Program Description:

The MA program in theatre introduces students to graduate study in the field of theatre and performance studies and provides a broad base of knowledge in the areas of history, theory, dramaturgy, research methods and practice.

Students have the opportunity to tailor their plan of study to specific research pathways and artistic subject areas such as performance studies,

history and historiography, theory, dramatic writing, theatre for youth, performance as research, technology in performance, drama for teaching and learning, design, dramaturgy, devising, directing, dance, somatic movement practices, civic engagement and performance.

The program is designed for those who wish to ultimately enter a doctoral program, for K-12 educators seeking to expand and amplify their expertise, and for those seeking to advance their knowledge of theatre and performance studies.

**Degree Requirements:**

30 credit hours, a thesis and a written comprehensive exam.

Required Courses (15 credit hours)

Electives (9 credit hours)

Culminating Experience (6 credit hours)

THE 599 Thesis (6)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current curriculum vitae
- sample of scholarly writing
- statement of purpose
- three letters of recommendation from professionals familiar with the applicant's work
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should address the applicant's background, experiences, research interests, and future career goals as they relate to their reasons for pursuing the degree program.

Applicants should see the program website for application deadlines.

**Career Opportunities:**

Professionals with an MA in theatre have successfully have been recruited to PhD programs in theatre, have obtained jobs as teaching artists, and have taught theatre in K-12 settings. Other career examples include:

- creating and forming a theatre company
- creating and producing original devised work
- obtaining highly competitive local and national arts grants and arts residencies
- working within an established arts organization as a teaching artist, program coordinator or event curator

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu>

GHALL 240

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-4206

**Online Degree Search Title:** Theatre (Arts Entrepreneurship and Management), MFA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The MFA program in theatre with a concentration in arts entrepreneurship and management teaches the skills of arts entrepreneurship, arts management and arts marketing within the context of the Master of Fine Arts degree in theatre, also grounding students in theories of performance, community-based arts, and theatre history and literature. Thus, students develop a holistic understanding of the role of arts managers as enablers of art-making.

Students in this program can earn a concurrent certificate in nonprofit leadership and management.

**Degree Requirements:**

60 credit hours including the required applied project course (THP 693), a practicum and an oral comprehensive exam.

Required Core (15 credit hours)

Concentration (27 credit hours)

Electives or Research (12 credit hours)

Other Requirements (3 credit hours)

THP 680 Practicum (2)

THP 684 Internship (1)

Culminating Experience (3 credit hours)

THP 693 Applied Project (3)

**Additional Curriculum Information**

Twelve elective credit hours are required for the 60 credit hour Master of Fine Arts. However, if students elect to pursue the NLM certificate concurrently, then they need to take an additional three credit hour elective course in the nonprofit leadership and management program to complete the certificate and degree requirements.

THP 680 is a one credit hour course students are required to take twice.

As part of the applied project requirement, students must submit a written document. An oral defense is also required.

Students should see the academic unit for a complete list of approved electives and required coursework for the core and concentration.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

In addition, the School of Music, Dance and Theatre requires a minimum of 30 undergraduate credit hours of coursework in theatre, film, dance, music, art or business with a minimum GPA of 3.20 overall.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- three letters of recommendation
- sample of critical writing (in lieu of GRE scores)
- statement of educational and professional objectives
- sample of entrepreneurial or managerial materials
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from professionals who can speak to the applicant's potential for success in arts entrepreneurship or management.

Examples of a critical writing sample include a term paper or research project.

The sample of entrepreneurial or managerial materials should be indicative of the candidate's potential to succeed as an arts entrepreneur or manager that might include but are not limited to publicity materials, marketing plans, budgets, stage management prompt books, grant proposals or business plans.

Interviews may be conducted on campus or remotely.

Applicants should see the program website for application deadlines and admission terms.

#### Contact Information:

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu>  
GHALL 240  
[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)  
480-965-4206

### Theatre (Directing), MFA (FADIRMFA)

**Online Degree Search Title:** Theatre (Directing), MFA

**Campus:** Tempe

#### Program Description:

The MFA in theatre with a concentration in directing is a program for students who demonstrate serious purpose, professional aspirations, theatrical daring and the desire to explore new work in collaborating with playwrights and in the devising and creation process. Respect for fellow artists and a desire to learn about how all the parts fit together are essential qualities in the successful candidate and the successful director.

Students are introduced to varied critical viewpoints from select artists and scholars. A hands-on, mentor-student approach is emphasized, with the intent of developing the skill, artistry and communication skills required to be an excellent professional director.

#### Degree Requirements:

60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project. Practical directing and directing classes are approximately 50% of the coursework. Classes also include:

- acting (viewpoints and composition)
- assistant directing for a professional or faculty director working on the main stage
- design collaboration
- devising methodologies
- directing the new play
- dramatic theory and criticism
- dramaturgy
- performance technology
- projects in community-based drama
- re-envisioning
- research methods
- solo performance
- theatre for social change
- theatre history and literature
- theatre organization and management

MFA directors will direct a new work every year. Major assignments may include:

- creating and directing an adaptation of an existing work
- directing a new play by a Master of Fine Arts playwright

- directing one applied project in the main-stage season
- guiding an ensemble in the devising process and directing the resulting devised piece

Directing faculty mentor all student projects. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional internship is required for each Master of Fine Arts director.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- current resume
- written directorial approach to a play selected by the reviewing committee
- three letters of reference from professionals familiar with the student's work
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A personal interview is required. Interviews via phone or campus visit are available by appointment.

Admission to the directing, performance and performance design concentrations is cohort-based, and the program recruits every three years. The next round of applications will be accepted in January 2024 for Fall 2024. Interested students should check back for updates.

Students should see the program website for application deadlines and admission terms.

#### **Career Opportunities:**

Professionals with an Master of Fine Arts in directing have obtained a variety of creative roles within the arts from directing professionally, starting theatre companies, to working within established theatres and arts organizations and building entrepreneurial ventures that bridge the arts with other sectors

Career examples include:

- creating entrepreneurial ventures that bridge the arts with other sectors of society
- creating and producing original devised theatres for festivals
- directing professionally at established theatres
  - teaching in a variety of contexts from adjunct, visiting faculty, and professors of practice.
- working as a teaching artist at a public or community school

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu>  
GHALL 240  
mdtadmissions@asu.edu  
480-965-4206

## **Theatre (Dramatic Writing), MFA (FADRWRTMFA)**

**Online Degree Search Title:** Theatre (Dramatic Writing), MFA

**Campus:** Tempe

#### **Program Description:**

The concentration in dramatic writing under the MFA in theatre includes coursework in playwriting, screenwriting, historical studies in theatre,

dramatic theory, directing new work, literary management, electives and related topics such as writing for solo performance, storytelling, devising and collaborative writing.

The School of Music, Dance and Theatre supports the production of new plays and performance works written by its Master of Fine Arts students. Student-written work is included in the Theatre Labs and is considered for main stage productions.

**Degree Requirements:**

60 credit hours including the required applied project course (THP 693).

Required Core (27 credit hours)

THE 500 Research Methods (3)

THE 504 Studies in Dramatic Theory and Criticism (3)

THE 520 Theatre History and Literature (3)

THP 560 Dramatic Writer's Workshop (15)

THP 561 Scripts in Progress (3)

Concentration (9 credit hours)

THE 562 Literary Management Workshop (3)

THP 520 Directing the New Play (3)

THP 598 Special Topics (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)

THP 693 Applied Project (6)

Additional Curriculum Information

As part of the electives coursework, students are required to complete an internship (THP 684) for three credit hours.

Students should see the academic unit for a complete list of approved electives.

The applied project is the writing of a thesis play, which is to be developed as one of the following: a full production on the school's main stage, a staged reading, or a workshop production.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in theatre or in creative writing from a regionally accredited institution. An applicant may have an undergraduate degree outside of theatre and may be admitted on the basis of excellent creative writing and academic work. Deficiencies in undergraduate preparation may be removed while pursuing the MFA degree.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- current resume
- statement of career goals, including writing endeavors or interests
- manuscript sample of either a full-length play (60 pages or more) or a series of one-act plays (30 pages minimum)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

Professionals with an Master of Fine Arts in dramatic writing regularly have their work produced at festivals, staged readings and theatres across the country. They have obtained highly competitive artist residencies and awards for their work. Some have had their plays published.

Career examples include:



- publishing plays
- readings and full productions of work at theatre festivals
- teaching in a variety of contexts from adjunct, visiting faculty, and professors of practice
- working at an established arts organization in a variety of roles
- working as a teaching artist
- work produced and staged professionally at established theatres and venues

**Contact Information:**

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 mdtadmissions@asu.edu  
 480-965-4206

**Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)**

**Online Degree Search Title:** Theatre (Interdisciplinary Digital Media), MFA

**Campus:** Tempe

**Program Description:**

A concentration of the MFA in theatre, the interdisciplinary digital media program focuses on the growing importance of digital media as a way of making and thinking about art and experience.

Courses and research activities prepare students to become sophisticated developers, makers, evaluators and entrepreneurs of digital media while at the same time completing a sequence of core courses in theatre.

This graduate program is offered through the School of Music, Dance and Theatre in collaboration with the School of Arts, Media and Engineering.

**Degree Requirements:**

60 credit hours including the required applied project course (THP 693).

Core School of Arts, Media and Engineering courses, to be selected in consultation with each student's School of Arts, Media and Engineering graduate advisor (minimum of 18 credit hours)

Research and applied project (15 credit hours)

Core courses in theatre theory, history and practice (27 credit hours)

The overall course of study is developed with the advisor to ensure a breadth of transdisciplinary knowledge.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee.
- official transcripts
- current resume
- statement of purpose
- portfolio that supports the statement of purpose
- academic writing sample from a previous degree, independent work or publication
- three letters of recommendation from professionals familiar with the applicant's work
- proof of English proficiency

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should describe the applicant's background in theatre and interest in and suitability for work in the intersection of theatre and digital media.

Applicants should thoroughly review application deadlines and requirements on this website:

<https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply>)

Applicants should see the program website for application deadlines but should note that for financial aid purposes, the School of Arts, Media and Engineering deadline is February 1.

### **Career Opportunities:**

Graduates of the Master of Fine Arts in theatre with a concentration in interdisciplinary digital media are prepared to work in a variety of settings and industries including higher education, professional theatre companies and community arts organizations.

Career examples include:

- digital media artist
- digital media arts educator
- digital media composer
- interactive media designer
- interactive performance artist

### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu>

GHALL 240

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-4206

## **Theatre (Performance Design), MFA (FAPERDMFA)**

**Online Degree Search Title:** Theatre (Performance Design), MFA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### **Program Description:**

ASU offers a strenuous and innovative MFA program in theatre with a concentration in performance design that focuses on a nontraditional approach to design training in preparation for the theatrical design challenges of the future. The design student works with an ensemble of designers, directors and performers to create new projects that redefine the role of the traditional designer.

Skills for approaching and creating new work include:

- design applications in multimedia
- development of artistic entrepreneurship and integrity
- drafting and computer imaging
- new work development

Performance design students work in multiple venues, including the 481-seat Galvin Playhouse, 164-seat Lyceum Theatre, two studios and one experimental space. In addition, students work in the shops, a design studio and a computer-imaging lab.

Admission to the directing, performance and performance design concentrations is cohort-based.

### **Degree Requirements:**

60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional internship is required and can be fulfilled anytime after the first year of study. Students conclude with an applied ensemble design project suited to their needs and interests.

The first year is dedicated to creating an ensemble as well as honing the skills needed to visually communicate ideas to a director and audience. The second year concentrates on new work development that culminates in a tour. This year also concentrates on strengthening design abilities. The third year serves as a bridge between the educational and professional theatre and the communities they serve.

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic writing sample
- current resume
- portfolio of 10 samples of visual work to be presented at interview
- three letters of recommendation from professionals familiar with the student's work
- written statement of purpose
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants also are required to do an interview.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice.

Students should see the program website for application deadlines and admission terms.

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GHALL 240  
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480-965-4206

## Theatre (Performance), MFA (FAPERFMFA)

**Online Degree Search Title:** Theatre (Performance), MFA

**Campus:** Tempe

ASU is not accepting applications to this program for the 2021-2022 academic year.

**Program Description:**

The MFA program in theatre with a concentration in performance reenvision the role of the artist in society who focuses on the devising and development of new work. The program stresses the actor-creator model and fosters the conceptual thinker and collaborator through the development of skills for the artistic entrepreneur and the innovation of performance applications in multimedia and transdisciplinary collaboration that is informed by artistic integrity and social responsibility.

The school offers multiple approaches to new work development:

- devising methodologies
- Fitzmaurice voicework
- Lecoq training
- new play development
- performance technology
- Rasaboxes

- solo and collaborative performance
- Viewpoints

In addition to core physical and vocal training, the program offers undergraduate-level teaching opportunities, funding for national and international conference travel, and career development internship opportunities.

During the third year of study, candidates conduct professional career development internships. In the past, students have completed internships at:

- The Actor's Ganage (Los Angeles)
- Chicago Dramatist Theatre
- Cleveland Playhouse
- Dah Theatre, Belgrade, Serbia
- Hartford Stage
- North Coast Rep
- One Yellow Rabbit
- SITI Company
- Synetic Theatre
- Theatre L'Homme Dieu
- The Bali Purnati Art Centre
- Victory Gardens

#### **Degree Requirements:**

60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project.

The first year is dedicated to intensive movement; acting and Fitzmaurice voice training; and ensemble-building and devising with a focus on Lecoq, Rasaboxes, Viewpoints and Meisner.

Second-year training provides opportunities for students to explore their work in a wide range of performance modalities such as community-embedded drama, solo performance, performance and technology, and devising original work. Performers collaborate with the MFA designers, directors and playwrights to devise a new scripted performance for the mainstage season.

The third year culminates in an applied performance project, serving as a bridge between the educational and professional worlds and the communities they serve.

Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional career development internship is required.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- statement of purpose
- academic writing sample
- three letters of recommendation from professionals familiar with the student's work
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice.

Applicants need to do an interview either on campus or at one of the university or resident theatre association sites.

Students should see the program website for application deadlines and admission terms.

### **Career Opportunities:**

Professionals with an Master of Fine Arts in performance have successfully obtained tenure-track jobs in movement, voice, acting and devising as well as post-graduate fellowships, visiting faculty positions and adjunct faculty positions at prestigious colleges and universities across the country. The program builds skills for creating one's own theatre and theatre company and several of the program's graduates have successfully created their own theatre companies. Several graduates have become professional actors working in regional and professional theatres as well as joining established theatre companies or work within an established theatre company as teaching artists, program coordinators and event curators.

Career examples include:

- creating and forming a theatre company
- creating and producing original devised work
- obtaining highly competitive local and national arts grants and arts residencies
- performing and touring with established theatre companies
- presenting work at national and international conferences
- publishing articles and books that impact the field
- working within an established arts organization as a teaching artist, program coordinator or event curator

### **Contact Information:**

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GHALL 240  
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480-965-4206

## **Theatre (Theatre For Youth), MFA (FAYOUTHMFA)**

**Online Degree Search Title:** Theatre (Theatre for Youth and Community), MFA

**Campus:** Tempe

This program's name has changed effective Fall 2021. The previous name was Theatre for Youth.

### **Program Description:**

The internationally recognized theatre for youth and community MFA program features distinguished faculty, excellent facilities, comprehensive coursework and practical experiences in all areas of theatre, educational theatre, community cultural development and theatre for youth. The faculty provide students individualized attention and focused mentorship in a challenging and supportive atmosphere designed to educate future leaders in the field.

Students complete their course of study equipped to be engaged and innovative leaders in artistry, scholarship, education and activism.

### **Degree Requirements:**

60 credit hours including the required applied project course (THP 693), a written comprehensive exam and an oral comprehensive exam.

This is a three-year program. Required core courses are supplemented by elective courses in an emphasis area. The emphasis areas prepare students for careers in professional theatre, as artists or education directors, specialists in arts organizations, or as teachers in elementary or secondary education. An internship with a professional theatre company, school or arts organization and a final applied project complete the program.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current curriculum vitae
- statement of purpose
- work sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants should thoroughly review application deadlines and requirements on this website:

<https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply>).

A highly competitive program, this degree accepts only a small number of students each year in order to provide highly individualized attention.

The statement of purpose should clearly explain the applicants aesthetic and educational philosophies and future career goals. After reading the statement, the faculty should understand not only the applicant's current passions but also why the theatre for youth and community program at ASU would be an appropriate fit to meet the student's educational, practical and scholarly goals. The program accepts thoughtful, well-informed artists, scholars, educators and citizens.

The three letters of recommendation should be from professionals familiar with the applicant's work.

#### **Career Opportunities:**

Graduates of the Master of Fine Arts program in theatre for youth and the community are prepared to work in a variety of settings and industries including higher education, professional theatre companies, community arts organizations and youth theatre programs.

They are prepared for careers that include teacher of artistry, directing and education directing; specialist in arts and civic organizations; teacher in elementary, secondary and tertiary education systems; and careers in social profit organizations and in arts entrepreneurship. Other career examples include:

- community arts facilitator
- community engagement and social activist artist
- social engagement practitioner
- stage or film director

#### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu>

GHALL 240

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-4206

## **Theatre (Theatre For Youth), PHD (FAYOUTHPHD)**

**Online Degree Search Title:** Theatre (Theatre for Youth and Community), PhD

**Campus:** Tempe

This program's name has changed effective Fall 2021. The previous name was Theatre (Theatre for Youth).

#### **Program Description:**

The internationally recognized PhD program in theatre with a concentration in theatre for youth and community at ASU features distinguished faculty; excellent facilities and comprehensive coursework; research guidance; and practical experiences in all areas of theatre, educational theatre, community cultural development and theatre for youth. Students receive individualized attention and focused mentorship in a challenging and supportive atmosphere designed to educate future leaders and researchers in the field.

Graduates are equipped to be engaged, thoughtful and innovative leaders in artistry, scholarship, education and research.

**Degree Requirements:**

90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (30 credit hours)

Research (12 credit hours)

THE 792 Research (12)

Research Methodology (6 credit hours)

Culminating Experience (12 credit hours)

THE 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as community-based theatre, theatre education, theatre for social change, theatre history, theatre theory and criticism, and tutorial courses.

Students also may take courses outside the School of Music, Dance and Theatre in areas such as aesthetic theory, area studies, children's literature, critical and cultural studies, educational theory and methodology, languages and literatures, arts education, policy research and democracy studies.

Research methodology coursework is chosen in consultation with the supervisory committee. Where appropriate, the supervisory committee may approve certification of literacy in a foreign language as meeting the research methodology requirement. This approval is granted only in those circumstances wherein fluency in that language is necessary for the dissertation research.

Additional Curricular Requirements:

- ongoing reviews of a student's performance in courses and development of research skills, artistic skills and teaching competencies conducted by the supervisory committee at the end of each semester
- comprehensive examinations composed of written and oral components centering on theatre history, literature and criticism, theatre for youth and theatre education and the research area
- dissertation developed from an approved prospectus, based on original research work of high quality, demonstrating proficiency in the student's special field and adding new knowledge

All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in theatre or education from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE exam scores
- curriculum vitae
- sample of scholarly writing
- statement of purpose
- three letters of recommendation
- proof of English proficiency

An interview is optional.

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

For the statement of purpose, applicants should cogently explain their research, educational philosophies and future career goals. After reading these statements, the PhD faculty should understand not only their current passions, but also why the theatre for youth and community program at

ASU would be an appropriate fit to meet their educational, philosophical and scholarly goals.

Three letters of recommendation from professionals familiar with the applicant's work should address, specifically, the applicant's potential for success in a doctoral program.

Applicants should thoroughly review application deadlines and requirements on this website:

<https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply>).

#### **Career Opportunities:**

Graduates are prepared to work in a variety of settings and industries including higher education, professional theatre companies and community arts organizations.

Graduates are prepared for careers that include teaching artistry, direction and education direction; working as specialists in arts, civic and social profit organizations; becoming members of university and college faculty; and pursuing opportunities in arts entrepreneurship, research and publishing programming. Other career examples include:

- community arts facilitator
- community engagement and social activist artist
- interactive performance artist
- performing arts program developer
- social engagement practitioner
- stage production and design specialist

#### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu>

GHALL 240

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-4206

## **Theatre (Theatre and Performance of the Americas), PHD (FAPERAMPHD)**

**Online Degree Search Title:** Theatre (Theatre and Performance of the Americas), PhD

**Campus:** Tempe

#### **Program Description:**

The PhD in theatre with a concentration in theatre and performance of the Americas trains scholars to examine the histories, theories and practices associated with cultural performance from a hemispheric point of view.

Through coursework, seminars, research and study opportunities, doctoral students work from diverse critical perspectives that mobilize thought across geographical and disciplinary borders. They develop skills to reexamine and interrogate the canon of theatre as text and as performance, expanding the traditional boundaries of theatre studies in two ways: via a perspective that considers the shared histories and practices of theatre and performance in the Americas as central to an intervention in traditionally narrated histories and theories of theatre and via the methodologies of cultural and performance studies that accommodate other forms of embodied expression related to but distinct from formal theatrical expression.

The course of study is designed to provide substantive historical and theoretical grounding in the field while allowing flexibility in the choice of specialized seminar and practical experiences. The first year of study immerses students in the theoretical and practical groundwork of performance research, in general, and modalities of performance in the Americas, in particular. In the second year, students build on research interests identified in the first year through specialized coursework and practical experience.

#### **Degree Requirements:**

90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

Electives (12 credit hours)

Research (12 credit hours)

THE 792 Research (12)



Culminating Experience (12 credit hours)  
THE 799 Dissertation (12)

#### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

Two of the electives courses must come from outside the school, and they must be approved by the supervisory committee.

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as community-based theatre, dramaturgy, theatre for social change, theatre history, theatre theory and criticism, and related topics seminars.

Students also may take courses outside the School of Music, Dance and Theatre in areas such as critical and cultural studies, area studies, languages and literatures, and aesthetic theory. All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

#### Preliminary Reviews:

Reviews of the student's performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

#### Comprehensive Examinations:

Examinations are composed of written and oral components centering on theatre history, literature and criticism, theatre and performance of the Americas and the research area.

#### Dissertation Requirements:

A dissertation based on original high-quality research work demonstrating proficiency in the student's special field is required.

#### Admission Requirements:

Applicants must fulfill the requirements of the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in a relevant area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's program and a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- curriculum vitae
- GRE scores
- sample of scholarly writing
- statement of purpose
- three letters of recommendation from professionals familiar with the student's work
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should address the student's background and experiences as they relate to the student's reasons for pursuing the doctorate, and it should describe the student's research interests and indicate future career goals.

An interview is strongly recommended.

Students should see the program website for application deadlines.

#### Career Opportunities:

Many alums with a doctoral degree in theatre and performance of the Americas go on to teaching and research positions in higher education, while some have chosen careers in arts and culture organizations where their expertise in curation and dramaturgical framing of artistic work finds expression. There is also a strong record of article and book publications that represent significant contributions to the field.

Career examples include:

- post-graduation fellowships at prestigious universities
- tenure-track jobs
- visiting faculty positions
- working within an established arts or cultural organization in a variety of positions

**Contact Information:**

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**Urban Design, MUD (ARMUDMUD)**

**Online Degree Search Title:** Urban Design, MUD

**Campus:** Tempe

**Program Description:**

The MUD is a transdisciplinary post-professional graduate program in The Design School which provides students with actionable knowledge of urban systems that enables them to lead socially just urban transformations for community resilience.

Students study and apply newly emerging design knowledge from architecture, landscape architecture, creative place-keeping and place-making, urban planning, community development, civil engineering and real estate development. Students also draw from critical works in nondesign disciplines including climate science, social justice, sustainability science, urban ecology, urban climate, smart city, law, and systems theory.

Program studio projects are run as service-learning studios whenever possible. This approach partners students with cities and communities to exchange knowledge and learn from each other. Recent studio topics have covered the climate crisis, urban watershed design, indigenous design knowledge and practice, social justice, community health, the integration of wildlife corridors in compact urban development, and smart city approaches to rapid technological change.

The Master of Urban Design curriculum is built around the analysis and understanding of these dynamic urban systems specific to rapidly urbanizing and arid regions of the world. The program leverages a number of local factors --- the rapidly expanding Phoenix metropolis, the arid climate and the area's cultural diversity --- in the development of responsible global initiatives and innovative design strategies for urban environments.

This program addresses the urban design transformations that are needed in order to build just, sustainable and resilient communities that can address a multitude of crises.

**Degree Requirements:**

36 credit hours including the required applied project course (MUD 593)

Required Core (10 credit hours)

MUD 521 Advanced Urban Design Studio I (5)

MUD 522 Advanced Urban Design Studio II (5)

Electives (9 credit hours)

Other Requirements (12 credit hours)

LAP 598 Topic: Smart City Sustainability and the Environment (3)

MUD 598 Topic: Great Cities (3)

MUD 598 Topic: Urban Issues (3)

MUD 598 Topic: Principles of Collaboration in Design (3)

Culminating Experience (5 credit hours)

MUD 593 Applied Project (5)

#### Additional Curriculum Information

Students should see the academic unit for an approved design professional elective list.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- two references
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency through either the TOEFL or the IELTS regardless of current residency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Applicants who hold a studio-based four-year undergraduate design degree will be considered for the two-year MUD program. The Master of Urban Design is a postprofessional program.

Applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU in a studio-based design discipline.

The portfolio, letter of intent and contact information for three references need to be submitted to SlideRoom (<https://asudesign.slideroom.com/#/Login> (<https://asudesign.slideroom.com/#/Login>)). The Design School requires that these be submitted in addition to the graduate admission application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. This may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome, and the candidate should make arrangements by contacting the department.

#### Career Opportunities:

Alumni of the Master of Urban Design have found careers with nationally recognized urban design firms, within public municipalities and agencies in the United States and abroad, and with nonprofit organizations.

#### Contact Information:

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)

## Visual Communication Design, MVCD (HIVCDMVCD)

**Online Degree Search Title:** Visual Communication Design, MVCD

**Campus:** Tempe

### Program Description:

The MVCD is a studio-based degree program.

Students in this program work on strategic visual communication design projects with a focus on visual design communication proposals as well as related practices that improve human experiences, enhance interaction with technology, increase business value, and speculate critically about social issues. Students engage in visual and theoretical research, ideation, visualization, prototyping and testing of creative solutions that address critical problems faced in the contemporary designed world.

Graduates of this program are adept in working with principles of visual communication design, emotional intelligence, and systems thinking in problem identification and its appropriate contextual solutions.

### Degree Requirements:

60 credit hours including the required capstone course (GRA 622).

Required Core (43 credit hours)

Electives (6 credit hours)

Other Requirement (6 credit hours)

GRA 581 Internship in Teaching Design (3)

GRA 584 Internship (3)

Culminating Experience (5 credit hours)

GRA 622 Advanced Visual Communication Design Studio IV (5)

### Additional Curriculum Information

The Master of Visual Communication Design program includes sequential studio courses. Requirements involve an average of 14 credit hours per semester. A summer internship is required during the summer prior to the final year.

The three-plus-year program adds the following requirement to the plan of study: deficiency courses (42 credit hours).

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students should see below for information on the qualifications for a two-year program of study or a three-plus-year program of study.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- additional required application items submitted to SlideRoom (see below)
- two letters of reference
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency through either the TOEFL or the IELTS regardless of current residency. The minimum score for admission to the program is 80 (internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Additional information can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

A portfolio, letter of intent, resume, and contact information for three references need be submitted to SlideRoom (<https://asudesign.slideroom.com/#/Login> (<https://asudesign.slideroom.com/#/Login>)). The Design School requires that these be submitted in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred. Students must enroll in the semester for which they are admitted; otherwise, they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

#### Admission Requirements to the Two-Year Program

All applicants must have completed a minimum of a bachelor's degree or equivalent or a graduate degree from a regionally accredited college or university of recognized standing in visual communication design or graphic design, or other design discipline, or significant experience in design demonstrated with a portfolio where visualization and visual communication skills are presented.

#### Admission Requirements to the Three-Plus-Year Program

All applicants must have earned a bachelor's degree or equivalent in a field other than in visual communication design or graphic design, or no significant experience in visual communication or graphic design.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. This may cause the student to take longer than two years to complete the program.

#### Career Opportunities:

Graduates pursue professional practice in visual communication, experience design and strategic design as well as in academia. Career opportunities include:

- creative lead
- design critic
- design futures professional
- design researcher
- design manager
- experience designer
- interaction designer
- senior visual communication designer
- service designer
- social designer
- strategic designer
- UX designer
- visual design consultant
- visual sense-maker

#### Contact Information:

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[designgrad@asu.edu](mailto:designgrad@asu.edu)  
480-965-3536

## Voice, Music Theatre, Opera, MM (FAMUTPOMM)

**Online Degree Search Title:** Performance (Voice, Music Theatre, Opera), MM

**Campus:** Tempe

#### Program Description:

The MM program in voice, music theatre and opera performance provides students the opportunity to choose from emphases in voice performance, music theatre performance or opera performance. Students have ample opportunities to study a wide variety of repertoire, including music theatre and opera.

The voice performance emphasis provides intensive practical training and performance experience to prepare students for a broad range of vocal careers. In addition to studio voice instruction and advanced work in acting, students may study techniques in art song, music theatre and opera, and may perform up to two recitals or may participate in music theatre and opera productions.

The opera performance emphasis provides intensive practical training and performance experience to prepare students for professional careers in opera. In addition to studio voice instruction and advanced work in acting, movement, audition techniques, career skills and vocal coaching,

students study standard and contemporary operatic repertoire and are required to perform roles in at least two ASU music theatre and opera productions.

The music theatre performance emphasis provides intensive practical training and performance experience to prepare students for professional careers as musical theatre artists. In addition to studio voice instruction and advanced work in acting, dance, movement, audition techniques, career skills and vocal coaching, students study repertoire from the traditional and contemporary musical theatre canon and are required to perform roles in at least two ASU music theatre and opera productions.

### **Degree Requirements:**

32 credit hours and a written comprehensive exam.

Required Core (4 credit hours)

MUP 527 Studio Instruction (4)

Concentration (8 credit hours)

MUP 527 Studio Instruction (4)

MUP 570 Topic: Advanced Techniques for the Singing Actor 1 (1)

MUP 570 Topic: Advanced Techniques for the Singing Actor 2 (1)

MUP 596 Solo Performance (1)

MUP 597 Solo Performance (1)

Area of Emphasis (8-9 credit hours)

Other Studies in Music (11-12 credit hours)

music history (6)

music theory (5-6)

Culminating Experience (0 credit hours)

written comprehensive exam (0)

Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Students select an area of emphasis from the following: music theatre performance, opera performance or voice performance. Students should see the academic unit for specific requirements for the selected area of emphasis.

The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework. Students should see the academic unit for specific requirements.

Area of emphasis credit hours may include electives depending on course selections.

Additional information on degree requirements for all graduate music majors may be found on the check sheets posted under each degree here: <https://musicdancetheatre.asu.edu/degree-programs/music/graduate> (<https://musicdancetheatre.asu.edu/degree-programs/music/graduate>).

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>)
- School of Music, Dance and Theatre application (including a resume, personal statement and repertoire list):

<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply>)

- official transcripts
- prescreening video

- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact [MDTAdmissions@asu.edu](mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Students should see the program website for application deadlines. After an applicant's complete application has been received, including recommendation letters, transcripts and proof of English proficiency, and review has been conducted of prescreening materials, the applicant may be invited for a live audition. Information about the audition can be found at <https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions>).

#### Career Opportunities:

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administration
- community arts advocate
- performing musician
- public or community school teacher
- university professor

#### Contact Information:

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/music/voice?dept=392823&id=1>  
MUSIC E167  
[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)  
480-965-5069

## Engineering, Ira A. Fulton Schools of

### Aerospace Engineering, MS (ESAEROSPMS)

**Online Degree Search Title:** Aerospace Engineering, MS

**Campus:** Tempe

#### Program Description:

The MS program in aerospace engineering prepares engineers for doctoral study or industrial positions specializing in research, project management and product innovation in aerospace engineering.

The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

- Aerospace Engineering (Aeronautics), BSE
- Aerospace Engineering (Astronautics), BSE
- Aerospace Engineering (Autonomous Vehicle Systems), BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (MAE 593).

Major Area of Emphasis (12 or 15 credit hours)

Technical Electives (6 or 9 credit hours)

Mathematics (6 credit hours)

Culminating Experience (0 to 6 credit hours)

MAE 593 Applied Project (3) or

MAE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the thesis option.

The plan of study must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of courses at the 500 level and above, with a minimum cumulative GPA of 3.00 or above.

Students completing a portfolio for the culminating experience must complete at least 15 credit hours of graduate MAE coursework (500 level and above) for the major area of emphasis requirement. An additional three credit hours of elective coursework, for a total of nine credit hours, is also required.

Coursework for the major area of emphasis is restricted to MAE coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency via a minimum score of 80 on the internet-based TOEFL regardless of current residency.

Admission to the aerospace engineering graduate program is highly competitive.

Admission to the 4+1 degree program requires an ASU GPA of 3.50 (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review, and admission is not guaranteed.



**Career Opportunities:**

Professionals with a master's degree in aerospace engineering have strong opportunities at most levels in aerospace engineering in research, design and manufacturing at companies of all sizes as well as national laboratories (DOE, DOD, NASA). Analytical skills learned in aerospace engineering are also valued for other nonengineering positions.

Career examples include:

- engineer
  - engineering manager or director
- research engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-graduate/>  
ECG 202  
semtegrad@asu.edu  
480-965-2335

## Aerospace Engineering, PHD (ESAERSPPHD)

**Online Degree Search Title:** Aerospace Engineering, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in aerospace engineering emphasizes original research and provides students with a strong background for employment by academic institutions, government laboratories and industrial research laboratories with a focus on aerospace engineering.

The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy. Modern computational and laboratory facilities are available to support timely research investigations.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

All students pursuing the doctorate are required to pass both a qualifying and a comprehensive examination administered by the program committee. In addition, the following are required:

coursework directly related to the research area (18)  
mathematics (9)  
graduate courses outside the major research area (9)  
MAE 792 Research  
MAE 799 Dissertation credit hours (12)

Students in the doctoral program who have not completed an MS degree previously will be allowed to apply for a Master of Science in Passing after successfully completing the comprehensive exams.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from an accredited U.S. or international institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency via a minimum of score of 80 on the internet-based TOEFL regardless of current residency.

Admission to the aerospace engineering doctoral program is highly competitive and preferred applicants have an undergraduate or master's degree in aerospace engineering or mechanical engineering. The admission process considers all aspects of the student's application. The typical successful applicant has a cumulative GPA of at least 3.25 (scale is 4.00 = "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE and TOEFL scores.

#### Career Opportunities:

Professionals with a doctorate in aerospace engineering have strong opportunities at all levels in aerospace engineering in research, design and manufacturing at companies of all sizes as well as national laboratories (DOE, DOD, NASA). Analytical skills learned in aerospace engineering are also valued for other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- research engineer

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
 Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-graduate/>  
 ECG 202  
 semtegrad@asu.edu  
 480-965-2335

## Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAPEETMA)

**Online Degree Search Title:** Applied Ethics (Ethics and Emerging Technologies), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The purpose of the MA program in applied ethics with a concentration in ethics and emerging technologies is to examine ethical challenges posed by emerging technologies, including nanotechnology, neurotechnology, biotechnology, robotics, and advanced information and communication technology. Not only are these technologies being developed at an unprecedented pace, they also share several unique characteristics, including system complexity, social embeddedness and the potential to converge with one another.

Emerging technologies are changing how humans live and work and have the potential to alter the very nature of human existence. Challenges considered by courses in the program include emerging technologies and public policy, ethical responsibilities of professionals engaged in development of emerging technologies, promise and perils of emerging technologies, and whether traditional ethical concepts and processes can and should be applied to emerging technologies.

#### Degree Requirements:

30 credit hours including the required applied project course (AEP 593).

Required Core (6 credit hours)

Concentration (3 credit hours)

Elective (15 credit hours)

Culminating Experience (6 credit hours)

AEP 593 Applied Project (6)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores sent directly to Graduate Admission Services
- statement of interest in applied ethics and career goals
- three letters of recommendation

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency by meeting the Graduate College English proficiency requirements regardless of current residency.

Applicants required to demonstrate English proficiency and who are seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Sustainable Engineering & Built Environment  
<https://graduate.engineering.asu.edu/>  
ECG 251  
sebe.advising@asu.edu  
480-965-0595

## Biological Design, PHD (GCBDSPHD)

**Online Degree Search Title:** Biological Design, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in biological design seeks to develop a new type of scientist by training students in core disciplines related to biomedicine and biotechnology while simultaneously preparing them to participate successfully in the interdisciplinary research teams of the future.

The research emphasis is on projects that are use-inspired, contributing directly to solutions for important societal challenges. This is a highly mentored program of personalized study that provides significant interaction with the large and vibrant local research community.

There are four key distinguishing features of the curriculum: a personalized plan of study that allows students to explore the disciplinary and interdisciplinary areas of greatest interest; encouragement to choose dissertation research projects that are use-focused, contribute to solving a large-scale challenge and promise rich transdisciplinary experiences; opportunities to participate in a proseminar format to encourage broad research interactions and discuss problems and challenges in biological design research; and three 10-week laboratory rotations during the first year of study. Rotations can be in any ASU laboratory that is centered largely on biological research.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

BDE 702 Fundamentals of Biological Design II (3)

Other Requirements (2 credit hours)

BDE 598 Special Topics: Biological Design Seminar (1)

BDE 791 Seminar: Biological Design Proseminar (1)

Electives and Research (67 credit hours)

Culminating Experience (12 credit hours)

BDE 799 Dissertation (12)

Additional Curriculum Information

Other requirements courses may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

For GRE test scores, the institution code for ASU is 4007 and the departmental code is 0000. Subject test scores are also recommended but not required.

Three letters of recommendation relative to the candidate's academic career are required. The personal statement should reflect the candidate's career and educational goals and should explain why the candidate is interested in pursuing this degree. The resume should include prior research and employment experience, honors, awards, memberships held, publications, etc.

For additional admission requirements, including transcripts, fees and international application requirements, students should see the Graduate Admission Services website.

**Career Opportunities:**

Graduates are trained at the intersection of biological sciences, physical sciences and technology through innovation, design and production. They find career opportunities in health care, biotechnology, pharmaceutical discovery, biomanufacturing, security, environmental and food agribusinesses.

Career examples include:

- biochemists and biophysicists
- clinical scientists
- environmental engineers
- health and safety engineers
- medical scientists and engineers
- microbiologists

**Contact Information:**

Engineering, Ira A. Fulton Schools of

School for Engineering of Matter, Transport & Energy

<https://semte.engineering.asu.edu/biological-design-phd/>

ECG 202

semte@asu.edu

480-965-2335

## Biomedical Engineering, MS (ESBIOENMS)

**Online Degree Search Title:** Biomedical Engineering, MS

**Campus:** Tempe

### Program Description:

The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the MS in biomedical engineering.

Areas of study include:

- biomaterials, biosensors, biomarkers and biomimetic materials
- biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

Biomedical engineering offers an accelerated BSE/MS in biomedical engineering degree for students in the Bachelor of Science in Engineering program who have maintained a GPA of 3.50 (scale is 4.00 = "A") into their junior year. The program allows up to 12 credit hours of graduate-level coursework taken during the senior year to be applied toward both the undergraduate and graduate degrees.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biomedical Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (BME 593).

All candidates pursuing a master's degree in biomedical engineering are required to complete an approved plan of study. Special course requirements for the different areas of study are established by the faculty.

A candidate whose undergraduate degree is in a field other than biomedical engineering may be required to complete more than the required credit hours of the program of study.

The following are program requirements for the applied project option:

biomedical engineering coursework (13)  
biomedical engineering seminar (2)  
general electives (6)  
quantitative electives (6)  
applied project (3)

The following are program requirements for the thesis option:

biomedical engineering coursework (9)  
biomedical engineering seminar (3)  
general electives (6)  
quantitative electives (6)  
thesis (6)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- a statement of purpose
- two letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### Career Opportunities:

Professionals who specialize in biomedical engineering research areas are in high demand across sectors and industries, including business, academia, hospitals, government agencies and research facilities. The skill set gained by graduates of the Master of Science program in biomedical engineering are sought by local, national and international employers.

Career examples include:

- biochemical engineer
- bioinformatics scientist
- biomedical engineer
  - geneticist
  - health sciences manager
- medical scientist
- molecular biologist
  - nanosystems engineer

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
 Harrington Bioengineering Program  
<https://sbhse.engineering.asu.edu/>  
 ECG 334  
 sbhse.advising@asu.edu  
 480-965-3028

## Biomedical Engineering, PHD (ESBIOENPHD)

**Online Degree Search Title:** Biomedical Engineering, PhD

**Campus:** Tempe

#### Program Description:

The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the PhD in biomedical engineering.

Areas of study include:

- biomaterials, biosensors, biomarkers and biomimetic materials
- biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

The doctoral degree in biomedical engineering is conferred upon evidence of excellence in research resulting in a scholarly dissertation that is a contribution to knowledge.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

#### Required Bioengineering Courses (at least 18 credit hours)

Doctoral students are required to complete six credit hours from each of the following three areas:

BME graduate courses (BME prefix) (6)

life science/biology graduate courses (6)

quantitative math or engineering (6)

#### Other Requirement (3 credit hours)

BME 780 Teaching Practicum (3)

#### Technical Electives (9 credit hours)

No fewer than nine credit hours of coursework (as determined by the student's supervisory committee) must be selected from the list of 400- to 700-level courses that are not selected as required BME courses.

#### Research (37 credit hours)

BME 792 Research (37)

#### Seminar (5 credit hours)

BME 591 Seminar (5)

#### Culminating Experience (12 credit hours)

BME 799 Dissertation (12)

#### Additional Curricular Requirements

Up to six credit hours of the required biomedical engineering courses and technical electives combined may be at the 400 level.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students should view the School of Biological and Health Systems admissions checklist on the Arizona State University website for specific admission procedures and deadlines.

#### **Career Opportunities:**

Professionals who specialize in biomedical engineering research areas are in high demand across sectors and industries, including business, academia, hospitals, government agencies and research facilities. The skill set gained by graduates of the doctorate program in biomedical engineering are sought by local, national and international employers.

Career examples include:

- biomedical engineer
- molecular biologist
- bioinformatics scientist
- geneticist
- medical scientist
- professor

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Harrington Bioengineering Program  
<https://sbhse.engineering.asu.edu/>  
 ECG 334  
 sbhse.advising@asu.edu  
 480-965-3028

## Chemical Engineering, MS (ESCHEMEMS)

**Online Degree Search Title:** Chemical Engineering, MS

**Campus:** Tempe

**Program Description:**

The chemical engineering faculty offer a graduate program leading to the MS in chemical engineering.

Areas of research emphasis include atmospheric aerosols, biomolecular engineering, biosensors, chemical therapies for neurodegenerative diseases, electrochemistry, electronic materials processing, engineering education, flexible display technology, fuel cells, inorganic membranes, process design and operations, protein synthesis, transport phenomena in living systems and water purification.

A graduate handbook detailing information on graduate studies in chemical engineering is available on the school website. For additional details, students should contact the Graduate Advising Office in the School for Engineering of Matter, Transport and Energy.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Chemical Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a thesis, or 33 credit hours including the required applied project course (CHE 593).

Required Core (9 credit hours)

CHE 533 Transport Processes I (3)

CHE 543 Thermodynamics of Chemical Systems (3)

CHE 544 Chemical Reactor Engineering (3)

Technical Electives (15 or 18 credit hours)

Other Requirement (3 credit hours)

CHE 591 Seminar (3)

Culminating Experience (3 or 6 credit hours)

CHE 593 Applied Project (3)

CHE 599 Thesis (6)

Additional Curriculum Information

This degree has two options: a thesis option and a nonthesis option. The nonthesis option requires an applied project. Both options require a faculty advisor. All students are admitted to the nonthesis option until a faculty advisor has been secured and agrees to allow the student to change to the thesis option.

The composition of technical electives depends on the student's final culminating experience. At least one technical elective course of three credit hours must be taken outside of chemical engineering, and the academic unit must approve all elective coursework in order for the credits to be utilized on the plan of study.



**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency via a minimum score of 90 on the internet-based TOEFL, regardless of current residency.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review, and admission is not guaranteed.

**Career Opportunities:**

Professionals with a Master of Science in chemical engineering have strong opportunities at all levels in chemical engineering in research, design and manufacturing at companies of all sizes, national (DOE, DOD, NASA) laboratories, and academics. Analytical skills learned in chemical engineering are also valued for other non-engineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- lecturer
- process engineer
- research engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Chemical Engineering Program

<https://semte.engineering.asu.edu/chemical-graduate/>  
ECG 202

semtegrad@asu.edu  
480-965-2335

## Chemical Engineering, PHD (ESCHEMEPHD)

**Online Degree Search Title:** Chemical Engineering, PhD

**Campus:** Tempe

**Program Description:**

The chemical engineering faculty offer a graduate program leading to the PhD in chemical engineering.

Areas of research emphasis include atmospheric aerosols, biomolecular engineering, biosensors, chemical therapies for neurodegenerative diseases, electrochemistry, electronic materials processing, engineering education, flexible display technology, fuel cells, inorganic membranes, process design and operations, protein synthesis, transport phenomena in living systems and water purification.

A graduate handbook detailing information on graduate studies in chemical engineering is available on the school website. For additional details, students should contact the Graduate Advising Office in the School for Engineering of Matter, Transport and Energy.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

CHE 533 Transport Processes I (3)

CHE 543 Thermodynamics of Chemical Systems (3)

CHE 544 Chemical Reactor Engineering (3)

Technical Electives (18 credit hours)

Other Requirements (5 credit hours)

CHE 591 Seminar (5)

Research (12 credit hours)

CHE 792 Research (12)

Additional Research/Electives (28 credit hours)

Culminating Experience (12 credit hours)

CHE 799 Dissertation (12)

Additional Curriculum Information

Technical electives are from within or outside the chemical engineering program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English is required to achieve a minimum score of 100 on the internet-based TOEFL, regardless of current residency.

Students should see the program website for application deadlines.

**Career Opportunities:**

Professionals with a chemical engineering doctoral degree have strong opportunities at all levels in chemical engineering in research, design and manufacturing at companies of all sizes, national (DOE, DOD, NASA) laboratories, and academics. Analytical skills learned in chemical engineering are also valued for other non-engineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- lecturer
- process engineer
- research engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Chemical Engineering Program  
<https://semte.engineering.asu.edu/chemical-graduate/>  
ECG 202  
semtegrad@asu.edu  
480-965-2335

## Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)

**Online Degree Search Title:** Civil, Environmental, and Sustainable Engineering, MS

**Campus:** Tempe

**Program Description:**

The faculty in civil, environmental and sustainable engineering offer a graduate program leading to an MS in civil, environmental and sustainable engineering. The program is designed to enhance the knowledge gained in the undergraduate program by requiring students to understand and practice fundamental concepts in engineering, mathematics and the basic sciences.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and on the program's website. Students are admitted to one of the following specialty areas in engineering: environmental, geotechnical, hydrosystems, structural, sustainable or transportation.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil Engineering, BSE
- Civil Engineering (Environmental Engineering), BSE
- Civil Engineering (Sustainable Engineering), BSE
- Environmental Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours and an applied project (CEE 593).

All candidates for the master's degree thesis option are required to complete 24 credit hours of approved graduate coursework and a minimum of six credit hours of CEE 599 Thesis. The written thesis must be original research in nature. Additional courses may be assigned by the graduate supervisory committee, depending on the background of the candidate. A final oral examination in defense of the thesis written work is required.

Candidates in the applied project option must complete 27 credit hours of approved graduate coursework and three credit hours of CEE 593 Applied Project.

Candidates in the comprehensive exam option must complete 30 credit hours of approved graduate coursework and complete a written comprehensive exam.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to this program if they have earned a bachelor's or master's degree with a major in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program. Applicants with a lower GPA may be admitted provisionally at the discretion of the admission committee.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree program are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Prospective students should note the following two requirements need to be met for consideration for admission: minimum GRE score in the quantitative section of 155 and minimum combined score for the quantitative and verbal sections of 301. More information regarding how to send official GRE scores is on the Graduate Admission Services website.

Applicants are encouraged to submit a resume and personal statement.

#### Career Opportunities:

This program prepares graduates to be civil engineers, who typically focus on large projects such as buildings, roads, bridges, subway systems, dams and water supply networks.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/graduate/civil/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)

**Online Degree Search Title:** Civil, Environmental and Sustainable Engineering, MSE

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

#### Program Description:

The faculty in civil, environmental and sustainable engineering offer a professional program leading to an MSE in civil, environmental and sustainable engineering. The program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice and to increase the depth and breadth of knowledge in selected areas of emphasis.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here, on the program's website and in the program's graduate handbook. Students are admitted to one of the following specialty areas of engineering: environmental, geotechnical, hydrosystems, structural, sustainable or transportation.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil Engineering, BSE
- Civil Engineering (Environmental Engineering), BSE
- Civil Engineering (Sustainable Engineering), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a written comprehensive exam.

All candidates for the master's degree are required to complete approved graduate coursework.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained at the graduate studies section of the program's website.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, with a major in engineering or a closely related program, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained in the graduate studies section of the program's website.

Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

Prospective students should note that GRE scores are used in the admission decision. The average scores for those who were admitted to the graduate programs over the last five years are 732 for MS/MSE and 751 for PhD (GRE General Test) or 157 for MS/MSE and 159 for PhD (GRE revised General Test) in the quantitative section; 1203 for MS/MSE and 1239 for PhD (GRE General Test) or 308 for MS/MSE and 311 for PhD (GRE revised General Test) as combined quantitative and verbal scores.

More information regarding how to send official GRE scores to the Graduate College can be found at <https://admission.asu.edu/contact/faqs#graduate> (<https://admission.asu.edu/contact/faqs#graduate>).

Students' credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/graduate/civil/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)

**Online Degree Search Title:** Civil, Environmental and Sustainable Engineering, PhD

**Campus:** Tempe

**Program Description:**

The faculty in civil, environmental and sustainable engineering offer a graduate program leading to the PhD in civil, environmental and sustainable engineering.

A broad range of theoretical and experimental research programs have been established in civil and environmental engineering to prepare graduate students for careers in professional practice and research. These programs are constantly evolving with the changes in society and the profession, and many are transdisciplinary in nature.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and in the program's graduate handbook. Students are admitted to one of the following specialty areas in engineering: environmental, geotechnical, hydrosystems, structural, sustainable and transportation.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

All candidates for the doctorate are required to complete 84 approved graduate credit hours; of these, 30 credit hours can be from the previously awarded master's degree. Additional graduate credit work may be assigned by the graduate supervisory committee, depending on the background of the candidate.

The graduate credit hours must include a minimum of 12 credit hours of research and 12 credit hours of dissertation work.

This degree program also requires written and oral comprehensive examinations and approval of the dissertation prospectus for the student to be eligible for doctoral candidacy.

After entering candidacy, the student completes the research, and writes and successfully defends the written dissertation.

A final oral examination in the defense of the dissertation work is required for all students.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a master's degree in engineering or a closely related master's degree program from a regionally accredited institution. Exceptionally qualified students with a bachelor's degree may be admitted to the doctoral program.

Applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a resume
- a personal statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

A student whose undergraduate or master's degree is not in civil engineering is required to take appropriate undergraduate or graduate courses as deficiency courses, to establish a base of knowledge in the discipline. Deficiencies for admission to the program are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Prospective students should note that GRE scores are used in the admission decision. The average scores for those who were admitted to the graduate programs over the last five years are 732 for MS/MSE and 751 for PhD (GRE General Test) or 157 for MS/MSE and 159 for PhD (GRE revised General Test) in the quantitative section; 1203 for MS/MSE and 1239 for PhD (GRE General Test) or 308 for MS/MSE and 311 for PhD (GRE revised General Test) as combined quantitative and verbal scores. More information regarding how to send official GRE scores to Graduate Admission Services can be found at <https://admission.asu.edu/contact/faqs#graduate> (<https://admission.asu.edu/contact/faqs#graduate>).

Students' credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

**Career Opportunities:**

Graduates in professional practice become civil engineers who typically focus on large projects such as buildings, bridges, subway systems, dams and water supply networks. Doctoral graduates also go into research and higher education.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/graduate/civil/>  
CAVC 437

## Computer Engineering (Computer Systems), MS (ESCENCMS)

**Online Degree Search Title:** Computer Engineering (Computer Systems), MS

**Campus:** Tempe

### Program Description:

The MS in computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics and physical sciences.

The program is intended for students who want to gain knowledge deeper than that provided at the bachelor's degree level and sufficient for designing and implementing state-of-the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future doctoral study and those who wish to gain experience in research.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computer Systems Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

Required Core (6 credit hours)

CSE 551 Foundations of Algorithms (3)

EEE 554 Random Signal Theory (3)

Electives (18-24 credit hours)

Culminating Experience (0-6 credit hours)

CEN 599 Thesis (6) or

written comprehensive exam (0)

Additional Curriculum Information

This program has a thesis and a nonthesis option for the culminating experience. Students in the nonthesis option take 24 credit hours of electives and students in the thesis option take only 18 credit hours to reach the 30 credit hour requirement. Electives are selected in consultation with the academic unit.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or equivalent or a master's degree from a regionally accredited college or university of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement that indicates professional goals and reasons for desiring to enroll in the program
- GRE scores required if undergraduate program is not ABET-accredited (<https://www.abet.org/> (<https://www.abet.org/>))
- letters of recommendations are optional
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency via a TOEFL score regardless of current residency. Students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

A GRE score is required unless the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU. Students, international and domestic, are also exempt from taking the GRE if they have a degree from an ABET-accredited program from a U.S. or overseas institution and meet the minimum GPA requirements of the academic units. Students who do not meet these requirements as outlined are required to take the GRE.

Depending upon an applicant's prior academic preparation and accomplishments, it is recommended that students consider taking the following courses to ensure adequate background preparation:

CSE 230 Computer Organization and Assembly Language Programming  
CSE 310 Data Structures and Algorithms  
EEE 203 Signals and Systems I  
EEE 335 Analog and Digital Circuits  
MAT 243 Discrete Mathematical Structures

A reading list of the topics covered in the placement exam will be provided in advance of the exam.

Students should see the program website for application deadlines.

#### **Career Opportunities:**

Graduates from the Master of Science program in computer engineering are able to analyze and synthesize key theories and methods used in the field of computer engineering. These graduates can apply new theories, methods and designs that can advance the field of computer engineering. More specifically, computer engineering program graduates have the skills to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing, and actuation. These skills can be applied in high-demand growth areas, such as autonomous systems and robotics; distributed, dependable and secure systems, as well as embedded systems for media processing and communications.

Master's degree program graduates may work under the direction of scientists and engineers who hold doctorates in high-tech lab settings assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

Career examples include:

- computer hardware engineer
- computer systems engineer
- systems software engineer

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cen.engineering.asu.edu>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## **Computer Engineering (Computer Systems), PHD (ESCENCPHD)**

**Online Degree Search Title:** Computer Engineering (Computer Systems), PhD

**Campus:** Tempe

#### **Program Description:**

The PhD program in computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics and physical sciences.

The program in computer engineering with a concentration in computer systems is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation. This doctoral program provides broader and more in-depth preparation than the MS programs, in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.



Required Core (6 credit hours)  
CSE 551 Foundations of Algorithms (3)  
EEE 554 Random Signal Theory (3)

Concentration (9 credit hours)

Focus Area Electives (3 credit hours)

Technical Electives (30 credit hours)

Research (24 credit hours)  
CEN 792 Research (24)

Culminating Experience (12 credit hours)  
CEN 799 Dissertation (12)

Additional Curriculum Information

Concentration, focus area and technical elective courses are selected in consultation with the academic unit.

The concentration and focus area course lists are located on the computer engineering website and need to meet the following requirements: at least nine credit hours of graduate level coursework in computer engineering (CEN XXX) or computer science (CSE XXX); and at least three credit hours of graduate level coursework in electrical engineering (EEE XXX) or computer engineering.

This program requires a qualifying exam. Students should see the academic unit for information on timeline and satisfactory progress standards.

Students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral Interactive Plan of Study with approval of the program and supervisory committee and the dean of the Graduate College.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited institution of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- personal statement
- three letters of recommendation
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The TOEFL is required for an applicant whose native language is not English: <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The personal statement should explain the professional goals and reasons for desiring to enroll in the doctoral program as well as describing any research experiences and indicating personal research interest.

A student, whether international or domestic, is exempt from taking the GRE if they have a degree from an ABET-accredited program from a U.S. or overseas institution and meet the minimum GPA requirements of the academic units. A student who does not meet these requirements as outlined is required to take the GRE.

Depending on prior academic preparation and accomplishments of an applicant, it is recommended that the student consider taking the following courses to ensure adequate background preparation:

CSE 230 Computer Organization and Assembly Language Programming  
CSE 310 Data Structures and Algorithms

EEE 203 Signals and Systems I  
EEE 335 Analog and Digital Circuits  
MAT 243 Discrete Mathematical Structures

**Career Opportunities:**

Graduates from the doctoral program in computer engineering are able to analyze and synthesize key theories and methods used in the field of computer engineering. These graduates can generate and evaluate new theories, methods and designs that can advance the field of computer engineering. More specifically, computer engineering program graduates have the skills to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing, and actuation.

These skills can be applied in high-demand growth areas, such as autonomous systems and robotics, distributed, dependable and secure systems, as well as embedded systems for media processing and communications. Career examples include:

- computer engineering professor
- computer engineering researcher
- computer hardware engineer
- computer systems engineer
- systems software engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cen.engineering.asu.edu>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## Computer Engineering (Electrical Engineering), MS (ESCEMENS)

**Online Degree Search Title:** Computer Engineering (Electrical Engineering), MS

**Campus:** Tempe

**Program Description:**

Computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics, and physical sciences.

The MS program is intended for students who want to gain knowledge deeper than that provided at the bachelor's degree level and is sufficient for designing and implementing state-of-the-art systems in industrial research and development positions. Students learn to analyze and synthesize key theories and methods used in the field of computer engineering.

The program is also appropriate for students contemplating future doctoral study and for those desiring to gain experience in research.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Electrical Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

Required Core (6 credit hours)

CSE 551 Foundations of Algorithms (3)

EEE 554 Random Signal Theory (3)

Electives (18-24 credit hours)

Culminating Experience (0-6 credit hours)

CEN 599 Thesis (6) or

written comprehensive exam (0)

#### Additional Curriculum Information

This program has a thesis and a nonthesis option for the culminating experience. Students in the nonthesis option take 24 credit hours of electives, and students in the thesis option take only 18 credit hours to reach the 30 credit hour requirement. Electives are selected in consultation with the academic unit.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a master's degree from a regionally accredited college or university of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation (optional)
- GRE scores (required if undergraduate program is not ABET-accredited)\*
- proof of English proficiency

\*International and domestic applicants are exempt from taking the GRE if they have earned a degree from an ABET-accredited program (<https://www.abet.org/> (<https://www.abet.org/>)) from a U.S. or overseas institution and if they meet the minimum GPA requirement for admission. Students who do not meet these requirements are required to provide GRE scores.

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency via a TOEFL score regardless of current residency: <https://admission.asu.edu/international/graduate/english-proficiency>.

The personal statement should indicate professional goals and reasons for desiring to enroll in the program.

#### Career Opportunities:

Graduates from the Master of Science program in computer engineering are able to apply new theories, methods and designs that can advance the field of computer engineering. More specifically, program graduates have the skills to advance the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing, and actuation.

These skills can be applied in high-demand growth areas, such as autonomous systems and robotics; distributed, dependable and secure systems; as well as in embedded systems for media processing and communications.

Career examples include:

- computer engineering professor
- computer engineering researcher
- computer hardware engineer
- computer systems engineer
- systems software engineer

Graduates may work under the direction of scientists and engineers who hold doctorates in high-tech lab settings, assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://cen.engineering.asu.edu>  
GWC 209  
askee@asu.edu  
480-965-3424

## Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)

**Online Degree Search Title:** Computer Engineering (Electrical Engineering), PhD

**Campus:** Tempe

### Program Description:

Computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics, and physical sciences.

The PhD program is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation.

This doctoral program provides a broader and more in-depth preparation than the MS programs, in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

CSE 551 Foundations of Algorithms (3)

EEE 554 Random Signal Theory (3)

Concentration (9 credit hours)

Focus Area Electives (3 credit hours)

Technical Electives (30 credit hours)

Research (24 credit hours)

CEN 792 Research (24)

Culminating Experience (12 credit hours)

CEN 799 Dissertation (12)

Additional Curriculum Information

Concentration, focus area and technical elective courses are selected in consultation with the academic unit.

The concentration and focus area course lists are located on the computer engineering website and need to meet the following requirements: at least nine credit hours of graduate-level coursework in electrical engineering (EEE XXX) or computer engineering (CEN XXX); and at least three credit hours of graduate-level coursework in computer engineering or computer science (CSE XXX).

This program requires a qualifying exam. Students should see the academic unit for information on timeline and satisfactory progress standards.

Students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral Interactive Plan of Study with approval of the program and supervisory committee and the dean of the Graduate College.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited institution of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum GPA of 3.50 (scale is 4.00 = "A") in the MS or MSE coursework for acceptance into the doctoral program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. A TOEFL is required for applicants whose native language is not English. <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)

Students who hold a U.S. ABET-accredited undergraduate degree are not required to submit GRE scores.

#### Career Opportunities:

Graduates from the doctoral program in computer engineering are able to analyze and synthesize key theories and methods used in the field of computer engineering. These graduates can generate and evaluate new theories, methods and designs that can advance the field of computer engineering. More specifically, program graduates have the knowledge and skills necessary to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing, and actuation. These skills can be applied in high-demand growth areas, such as autonomous systems and robotics; distributed, dependable and secure systems; as well as in embedded systems for media processing and communications.

Career examples include:

- computer engineering professor
- computer engineering researcher
- computer hardware engineer
- computer systems engineer
- systems software engineer

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://cen.engineering.asu.edu>  
GWC 209  
askee@asu.edu  
480-965-3424

## Computer Science, MCS (ESCOMSCMCS)

**Online Degree Search Title:** Computer Science, MCS

**Campus:** Tempe, Online

#### Program Description:

The Master of Computer Science program affords an opportunity for students employed in industry to seek a breadth of advanced education in computer science.

The program reflects the dual nature of computer science as a scientific and engineering discipline by allowing emphasis on theory as well as practical applications. Students can study topics such as:

- artificial intelligence
- big data
- cloud and distributed computing
- cybersecurity
- database management and information retrieval
- database systems
- data mining and machine learning
- distributed computing and operating systems
- imaging, graphics and visualization
- simulation modeling and systems

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE

## Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours and a portfolio.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Electives (21 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Students choose 21 credit hours of elective coursework approved by their academic advisor. Coursework selected as part of the area core may not be used as elective coursework on the same plan of study.

At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses are allowed as elective coursework, which cannot include courses taken at the undergraduate level. Up to six credit hours of 400-level courses may be applied to the plan of study. All 30 credit hours must be from formal coursework. CSE 590 is not allowed as part of the MCS program plan of study.

All MCS program students must complete a project portfolio from three courses in which the student received a "B" (3.00) grade or higher.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores\*
- statement of purpose or a curriculum vitae
- letters of recommendation are optional
- proof of English proficiency

\*GRE scores are optional but strongly recommended for Tempe campus applicants.

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00="A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 330 Operating Systems

CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/computer-science-mcs/>)

**Career Opportunities:**

Graduates of the Master in Computer Science program are able to analyze key theories, algorithms and software modules used in the field of computer science.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI or computer vision engineer
- software engineer
- software developer

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/graduate-computer-science/>

CTRPT 105

mcsonline@asu.edu

480-965-3199

## Computer Science, MS (ESCOMSCMS)

**Online Degree Search Title:** Computer Science, MS

**Campus:** Tempe

**Program Description:**

The MS program in computer science affords an opportunity for students employed in industry to seek a breadth of advanced education in computer science.

The program reflects the dual nature of computer science as a scientific and engineering discipline by allowing emphasis on theory as well as practical applications. Students can study topics such as:

- artificial intelligence
- big data
- cloud and distributed computing
- cybersecurity
- database management and information retrieval
- database systems
- data mining and machine learning
- distributed computing and operating systems
- imaging, graphics and visualization
- simulation modeling and systems

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computer Science, BS

Computer Science (Cybersecurity), BS

Computer Science (Software Engineering), BS

Computer Systems Engineering, BSE

Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Electives (15 or 21 credit hours)

Culminating Experience (0 or 6 credit hours)

CSE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems. Courses selected as part of the core may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students in the thesis option take 15 credit hours of electives, and students in the portfolio option take 21 credit hours of electives. The project portfolio is developed from three courses in which the student received a "B" grade (3.00 on a 4.00 scale) or higher. Students should see the academic unit for additional information and requirements.

For thesis students, nine of the 15 credit hours of electives must be courses in a chosen research area and approved by the student's academic advisor. Up to six credit hours can be independent study in CSE 590 Reading and Conference.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- scores for the GRE
- a statement of purpose
- proof of English proficiency
- letters of recommendation are optional

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

If the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU, GRE scores are not required.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:



CSE 230 Computer Organization and Assembly Language Programming  
CSE 310 Data Structures and Algorithms  
CSE 330 Operating Systems  
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

#### **Career Opportunities:**

Students completing the Master of Science program in computer science are able to analyze key theories, algorithms and software modules used in the field of computer science.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI or computer vision engineer
- software engineer
- software developer

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/graduate-computer-science/>  
CTRPT 105  
cidse.advising@asu.edu  
480-965-3199

## **Computer Science, PHD (ESCOMSCPHD)**

**Online Degree Search Title:** Computer Science, PhD

**Campus:** Tempe

#### **Program Description:**

The PhD program in computer science prepares students to undertake fundamental and applied research in computer science, preparing them to apply their studies in the world of academia, governmental policy and the industrial sector. The Ph.D. in computer science is available for students of high ability who seek to develop and implement their own research studies.

Students can conduct cutting-edge research in a wide variety of research areas, including:

- artificial intelligence
- big data
- cloud and distributed computing
- computer design and architecture
- cybersecurity
- data mining and machine learning
- database management and information retrieval
- social computing
- statistical modeling
- theory and algorithms

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core Areas (15 credit hours)

architecture and networked systems (3)

data and information systems (3)

foundations of computation and algorithms (3)

intelligent and interactive systems (3)

software and information assurance (3)

Depth (6 credit hours)

six additional credit hours in one core area (6)

Research (18 credit hours)

CSE 792 Research (18)

Electives and Additional Research (33 credit hours)

Culminating Experience (12 credit hours)

CSE 799 Dissertation (12)

Additional Curriculum Information

Courses that are used to satisfy the core area requirement cannot be used to satisfy electives or other requirements. A grade of B or better grade is required for core courses.

18 credit hours of CSE 792 Research is required and up to 24 credit hours is allowed on the plan of study. Students with research credit hours in excess of 18 add these credit hours to their electives and additional research.

Electives include:

- additional CSE 792 Research credit hours (up to six credit hours allowed beyond required 18)
- computer science courses of which up to 18 credit hours of CSE 590 and CSE 790 Reading and Conference is allowed
- up to 15 credit hours of interdisciplinary electives in other academic units that are subject to program chair approval

When approved by the academic unit and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

A maximum of six credit hours of 400-level coursework may be applied to the plan of study.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

If the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU, GRE scores are not required.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" or higher (scale is 4.00 = "A") within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 330 Operating Systems

CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Career Opportunities:**

Graduates who receive the doctorate in computer science are able to analyze, understand and apply key theories and algorithms used in the field of computer science. They are also able to generate and evaluate new theories, algorithms and software modules that can advance the field of computer science.

Career examples include:

- computer science professor
- computer science researcher
- data scientist or engineer
- machine learning, AI or computer vision engineer
- machine learning, AI or computer vision scientist

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/graduate-computer-science/>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)

**Online Degree Search Title:** Computer Science (Art, Media and Engineering), MS

**Campus:** Tempe

**Program Description:**

The MS program in computer science with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media.

Arts, media and engineering researchers produce experiential media systems and models that assist the disadvantaged, empower creativity, enhance scientific discovery, evolve human ability, facilitate learning and improve quality of life. Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration under the master's degree in computer science is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students specialize in transdisciplinary media development. More information about the arts, media and engineering concentration can be found at <https://artsmediaengineering.asu.edu> (<https://artsmediaengineering.asu.edu/>).

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core Areas (9 credit hours)

- applications (3)
- foundations (3)
- systems (3)

Concentration (9 credit hours)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)

AME 599 Thesis (2)

CSE 599 Thesis (4)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Students complete nine credit hours of arts, media and engineering concentration courses selected in consultation with the student's graduate advisor. Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- curriculum vitae
- proof of English proficiency
- letters of recommendation are optional

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency:  
<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

GRE scores are not required if the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.

The statement of purpose must address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. For further information on how this statement can be expanded upon by students interested in a research assistantship or an integrative graduate education and research traineeship within arts, media and engineering, students should visit <https://artsmediaengineering.asu.edu> (<https://artsmediaengineering.asu.edu>). Students should submit a curriculum vitae with the statement of purpose.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming  
Academic Catalog Archive 2021-2022

CSE 310 Data Structures and Algorithms  
CSE 330 Operating Systems  
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

CSE 230 Computer Organization and Assembly Language Programming  
CSE 310 Data Structures and Algorithms  
CSE 330 Operating Systems  
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

#### **Career Opportunities:**

Graduates are able to analyze and apply key theories, algorithms and software modules used in the field of computer science.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI or computer vision engineer
- software engineer
- software developer

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/graduate-computer-science/>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## **Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)**

**Online Degree Search Title:** Computer Science (Art, Media and Engineering), PhD

**Campus:** Tempe

#### **Program Description:**

The PhD program in computer science with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media. Arts, media and engineering researchers produce experiential media systems and models that assist the disadvantaged, empower creativity, enhance scientific discovery, evolve human ability, facilitate learning and improve quality of life. Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students specialize in transdisciplinary media development. More information about arts, media and engineering can be found at <https://artsmediaengineering.asu.edu/> (<https://artsmediaengineering.asu.edu/>).

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core Areas (15 credit hours)  
architecture and networked systems (3)  
data and information systems (3)  
foundations of computation and algorithms (3)  
intelligent and interactive systems (3)  
software and information assurance (3)

Depth (6 credit hours)  
six additional credit hours in one core area (6)

Concentration (9 credit hours)

Select three courses from the following list:

AME 515 Machine Vision and Pattern Recognition (3)

AME 520 Understanding Activity (3)

AME 532 Media Synthesis (3)

AME 535 Mobile Development (3)

AME 570 Programming for Social and Interactive Media (3)

Research (18 credit hours)

AME 792 Research (6)

CSE 792 Research (12)

Electives (24 credit hours)

Culminating Experience (12 credit hours)

AME 799 Dissertation (6) and

CSE 799 Dissertation (6)

Additional Curriculum Information

Courses that are used to satisfy the core area requirement cannot be used to satisfy electives or other requirements. A grade of "B" or better is required for core courses.

For electives, students choose computer science courses which may include up to 18 credit hours of CSE 590 and CSE 790 Reading and Conference.

When approved by the academic unit and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

A maximum of six credit hours of 400-level coursework may be applied to the plan of study.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

If the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU, GRE scores are not required.

The statement of purpose must fulfill any requirements defined by the Graduate College and also address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. Further information on how this statement can be expanded upon by students interested in a research assistantship or an Integrative Graduate Education and Research Traineeship within arts, media and engineering is available from the department. Students should submit a current curriculum vita with the statement of purpose.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming  
CSE 310 Data Structures and Algorithms  
CSE 330 Operating Systems  
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

#### **Career Opportunities:**

Graduates who receive the doctorate in computer science with the arts, media and engineering concentration are able to analyze, understand and apply key theories and algorithms used in the field of computer science.

They are also able to generate and evaluate new theories, algorithms and software modules that can advance the field of computer science.

Career examples include:

- arts, media and engineering professor
- arts, media and engineering researcher
- computer science professor
- computer science researcher
- data scientist or engineer
- machine learning, AI or computer vision engineer
- machine learning, AI or computer vision scientist

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/graduate-computer-science/>  
CTRPT 105  
cidse.advising@asu.edu  
480-965-3199

## **Computer Science (Big Data Systems), MCS (ESCSEBDMCS)**

**Online Degree Search Title:** Computer Science (Big Data Systems), MCS

**Campus:** Tempe, Online

#### **Program Description:**

The big data systems concentration under the MCS degree program is designed for graduate students who want to pursue a thorough education in the area of big data systems.

The program is designed to provide students the knowledge, skills and expertise in designing scalable systems (parallel, distributed and real time) for acquiring, storing, processing and accessing large-scale heterogeneous multisource data and in using analytical tools to mine information from the data.

Graduates are able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a portfolio.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

CSE 511 Data Processing at Scale (3)

CSE 575 Statistical Machine Learning (3)

CSE 578 Data Visualization (3)

Restricted Electives (6 credit hours)

Electives (6 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for electives and each core area in applications, foundations and systems.

Coursework selected as part of the area core may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses may be allowed as elective coursework, which cannot include courses taken at the undergraduate level. All 30 credit hours must be from formal coursework (including CSE 591). CSE 590 is not allowed as part of the Master of Computer Science program plan of study.

All Master of Computer Science program students must complete a project portfolio from three courses in which the student received a "B" grade (scale is 4.00 = "A") or higher.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (optional, but strongly recommended)
- statement of purpose OR curriculum vitae
- letters of recommendation are optional
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00="A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming (3)



CSE 310 Data Structures and Algorithms (3)

CSE 330 Operating Systems (3)

CSE 340 Principles of Programming Languages (3) or CSE 355 Introduction to Theoretical Computer Science (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-big-data/>)

**Career Opportunities:**

Graduates who complete the Master in Computer Science program are able to analyze key theories, algorithms and software modules used in the field of computer science. There is a growing need for data scientists and engineers who can architect, implement and manage large data systems. Graduates of this program have a competitive advantage in securing employment.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI computer vision engineer
- software engineer
- software developer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/graduate-computer-science/>  
CTRPT 105  
mcsonline@asu.edu  
480-965-3199

## Computer Science (Big Data Systems), MS (ESCSEBDMS)

**Online Degree Search Title:** Computer Science (Big Data Systems), MS

**Campus:** Tempe

**Program Description:**

The big data systems concentration under the MS degree program in computer science is designed for graduate students who want to pursue a thorough education in the area of big data systems. The Master of Science in computer science degree program with the big data systems concentration has a thesis and nonthesis project portfolio option.

The goal of this concentration is to provide students with the knowledge, skills and advanced research expertise in designing scalable systems (parallel, distributed and real-time) for acquiring, storing, processing and accessing large-scale heterogeneous multisource data and in using analytical tools to mine information from the data.

Graduates are able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Science (Cybersecurity), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

CSE 510 Database Management System Implementation (3)

CSE 512 Distributed Database Systems (3)

CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

Restricted Electives (6 credit hours)

CSE 515 Multimedia and Web Databases (3)

CSE 546 Cloud Computing (3)

CSE 573 Semantic Web Mining (3)

CSE 575 Statistical Machine Learning (3)

CSE 578 Data Visualization (3)

Electives (0 or 6 credit hours)

Culminating Experience (0 or 6 credit hours)

CSE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Regardless of culminating experience chosen, all students in the program must complete six credit hours from the restricted electives list. Students in the portfolio culminating experience option must also take six credit hours of electives.

Portfolio: The project portfolio is developed from three courses in which the student received a "B" grade (3.00) or higher and should have significant content in big data systems. Students should see the academic unit for additional information and requirements.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE test scores
- statement of purpose
- proof of English proficiency
- letters of recommendation are optional

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Official TOEFL scores should be submitted from tests that must have been taken within the last two years (only required for those who did not graduate with a baccalaureate degree from an accredited U.S. institution). The TOEFL score must be valid on the first day of class for the term the student is applying for. CIDSE requires that TOEFL scores must be above 575 (paper) or 90 (iBT), or that the minimum IELTS is an overall band score of 7.0.

International students must have taken the official GRE General Test within the past five years and submit those test scores.

All international records must be submitted in the original language accompanied by an official English translation. If the student has attended a U.S. institution, one set of official transcripts from every college and university attended, except ASU, is required.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 330 Operating Systems

CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

#### Career Opportunities:

Graduates who complete the Master of Science program in computer science are able to analyze and apply key theories, algorithms and software modules used in the field of computer science. This concentration program provides a competitive advantage to secure employment as there is a growing need for data scientists and engineers who can architect, implement and manage large data systems.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI computer vision engineer
- software engineer
- software developer

#### Contact Information:

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/graduate-computer-science/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## Computer Science (Biomedical Informatics), MS (ESCSBIOIMS)

**Online Degree Search Title:** Computer Science (Biomedical Informatics), MS

**Campus:** Tempe

#### Program Description:

The MS program in computer science with a concentration in biomedical informatics is designed for graduate students who wish to perform research in such topics as genomics and computational systems biology.

The concentration is transdisciplinary in nature, providing preparation that integrates technological expertise in the information sciences, computer science, biosciences and statistics with an understanding of the clinical environment of the health care professional. The curriculum exposes computer science students to current issues in clinical practice as well as the use of information systems in health care settings.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computer Science, BS

Computer Science (Cybersecurity), BS

Computer Science (Software Engineering), BS  
Computer Systems Engineering, BSE  
Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

BMI 501 Introduction to Biomedical Informatics (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 5XX approved elective in biomedical informatics (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)

CSE 599 Thesis (6)

Additional Curriculum Information

Students focus their research in one of the following areas: bioinformatics, biomedical informatics, clinical informatics, imaging informatics or public health informatics.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study. Students complete a minimum of 30 credit hours for the program. At least 21 of these credit hours must be 500-level CSE courses at ASU.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- proof of English proficiency
- letters of recommendation are optional

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency via a TOEFL score regardless of current residency.

The student must submit verbal, quantitative and analytical GRE scores (optional: subject test in computer science) unless the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within

two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 330 Operating Systems

CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

#### **Career Opportunities:**

Students completing the Master of Science in computer science will be able to analyze and apply key theories, algorithms and software modules used in the field of computer science.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI computer vision engineer
- software engineer
- software developer

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/graduate-computer-science/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## **Computer Science (Cybersecurity), MCS (ESCSEIMCS)**

**Online Degree Search Title:** Computer Science (Cybersecurity), MCS

**Campus:** Tempe, Online

#### **Program Description:**

The MCS with a concentration in cybersecurity is an advanced degree program designed for graduate students who want to pursue a thorough education in the area of cybersecurity and information assurance; students with an undergraduate education in computing and related disciplines; and students employed in industry who can best profit from further breadth and background in computer science and information assurance.

This concentration provides students with the knowledge and skills in science and engineering pertaining to cybersecurity, including computer and network security, software security, data and information security, applied cryptography and computer forensics.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Cybersecurity courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012).

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computer Science, BS

Computer Science (Cybersecurity), BS

Computer Science (Software Engineering), BS

Computer Systems Engineering, BSE

Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

CSE 543 Information Assurance and Security (3)

Choose two:

CSE 539 Applied Cryptography (3)

CSE 545 Software Security (3)

CSE 548 Advanced Computer Network Security (3)

Electives (12 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Coursework selected as part of the area core may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total credit hours of their plan of study are equal to 30.

The concentration coursework cannot be used as part of the area core on the same plan of study. Students must complete concentration course requirements as listed and complete different coursework for each of the core areas in applications, foundations and systems.

The interactive plan of study must contain a minimum of 30 credit hours of approved graduate-level work. At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses may be allowed as elective coursework, which cannot include courses taken at the undergraduate level. All 30 credit hours must be from formal coursework (including CSE 591). CSE 590 will not be allowed as part of the MCS program.

All Master of Computer Science students must complete a project portfolio from three courses in which the student received a "B" grade (3.00) or higher.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (optional, but strongly recommended)
- statement of purpose OR curriculum vitae
- letters of recommendation are optional
- proof of English proficiency

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming (3)

CSE 310 Data Structures and Algorithms (3)

CSE 330 Operating Systems (3)

CSE 340 Principles of Programming Languages (3) or CSE 355 Introduction to Theoretical Computer Science (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/computer-science-cybersecurity-mcs/>)

**Career Opportunities:**

Students completing the Master in Computer Science program are able to analyze key theories, algorithms and software modules used in the field of computer science. Graduates have a competitive advantage in securing employment.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI or computer vision engineer
- software engineer
- software developer

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/graduate-computer-science/>

CTRPT 105

mcsonline@asu.edu

480-965-3199

## Computer Science (Cybersecurity), MS (ESCSEIAMS)

**Online Degree Search Title:** Computer Science (Cybersecurity), MS

**Campus:** Tempe

**Program Description:**

The MS program in computer science with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of cybersecurity and information assurance. This program offers a thesis and nonthesis project portfolio option.

This concentration provides students with the knowledge and skills needed in science and engineering for cybersecurity. This includes computer and network security, software security, data and information security, applied cryptography and computer forensics.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Cybersecurity courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012).

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computer Science, BS

Computer Science (Cybersecurity), BS  
Computer Science (Software Engineering), BS  
Computer Systems Engineering, BSE  
Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core Areas (9 credit hours)

applications (3)

foundations (3)

systems (3)

Concentration (9 credit hours)

CSE 543 Information Assurance and Security (3)

Choose two:

CSE 539 Applied Cryptography (3)

CSE 545 Software Security (3)

CSE 548 Advanced Computer Network Security (3)

Electives or Research (6 or 12 credit hours)

Culminating Experience (0 or 6 credit hours)

CSE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students completing a portfolio take 12 credit hours of electives and must follow the academic unit's requirements for portfolio projects. Research credit hours may be included on the plan of study if the student is completing a thesis. Students should see the academic unit for more information.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

Students must complete 15 credit hours of approved information assurance coursework. Students should see the School of Computing, Informatics and Decision Systems Engineering website for more information.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply for the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- scores for the GRE
- a statement of purpose
- letters of recommendation are optional
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency:



<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

GRE scores are not required if the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms

CSE 330 Operating Systems

CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

### **Career Opportunities:**

Graduates who complete the Master of Science program in computer science are able to analyze and apply key theories, algorithms and software modules used in the field of computer science. They are also able to evaluate and advance existing theories, algorithms and software modules in the field of computer science. Graduates have a competitive advantage to secure employment.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI or computer vision engineer
- software engineer
- software developer

### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/graduate-computer-science/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## **Computer Science (Cybersecurity), PHD (ESCSEIAPHD)**

**Online Degree Search Title:** Computer Science (Cybersecurity), PhD

**Campus:** Tempe

### **Program Description:**

The PhD program in computer science with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of cybersecurity and information assurance.

The goal of this concentration is to provide students the knowledge and skills in science and engineering for cybersecurity, including applied cryptography, computer and network security, computer forensics, data and information security and software security.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012).

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core Areas (15 credit hours)  
architecture and networked systems (3)  
data and information systems (3)  
foundations of computation and algorithms (3)  
intelligent and interactive systems (3)  
software and information assurance (3)

Concentration (9 credit hours)  
CSE 543 Information Assurance and Security (3)  
Choose two:  
CSE 539 Applied Cryptography (3)  
CSE 545 Software Security (3)  
CSE 548 Advanced Computer Network Security (3)

Research (18 credit hours)  
CSE 792 Research (18)

Electives and Additional Research (30 credit hours)

Culminating Experience (12 credit hours)  
CSE 799 Dissertation (12)

#### Additional Curriculum Information

Courses that are used to satisfy the core area requirement cannot be used to satisfy electives or other requirements. A grade of B or better is required for core courses.

18 credit hours of CSE 792 Research is required and up to 24 credit hours is allowed on the plan of study. Students with research credit hours in excess of 18 add these credit hours to their electives and additional research.

Electives include:

- additional CSE 792 Research credit hours (up to six credit hours allowed beyond required 18)
- computer science courses of which up to 18 credit hours of CSE 590 and CSE 790 Reading and Conference is allowed
- up to 12 credit hours of interdisciplinary electives in other academic units that are subject to program chair approval

When approved by the academic unit and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

A maximum of six credit hours of 400-level coursework may be applied on the plan of study.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency:  
<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

GRE scores are not required if the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming  
CSE 310 Data Structures and Algorithms  
CSE 330 Operating Systems  
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

#### **Career Opportunities:**

Graduates who complete the doctorate program in computer science are able to analyze, understand and apply key theories and algorithms used in the field of computer science. They are also able to generate and evaluate new theories, algorithms and software modules that can advance the field of computer science. Graduates have a competitive advantage when it comes to securing employment.

Career examples include:

- computer science professor
- computer science researcher
- data scientist engineer
- machine learning, AI or computer vision engineer
- machine learning, AI or computer vision scientist

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/graduate-computer-science/>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

## **Construction Engineering, MSE (ESCONEMSE)**

**Online Degree Search Title:** Construction Engineering, MSE

**Campus:** Tempe

#### **Program Description:**

The MSE in construction engineering is a transdisciplinary degree program that encompasses the areas of geotechnical engineering, structural engineering, transportation engineering, construction engineering and management-related topics. The program focuses on a combination of design and management topics that prepare the student for a career working at the interface of design and construction. Students who are interested in a career emphasizing construction of infrastructure find this program especially desirable.

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil Engineering, BSE
- Civil Engineering (Environmental Engineering), BSE
- Civil Engineering (Sustainable Engineering), BSE
- Construction Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a written comprehensive exam.

All candidates for the Master of Science in engineering are required to complete approved graduate coursework.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained on the graduate studies section of the program's website.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering or other closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must take the GRE and have their scores sent to Graduate Admission Services. Prospective students should note that the following two requirements need to be met for consideration for admission: minimum score in the quantitative section is 700 and a minimum combined quantitative and verbal score is 1100. More information regarding how to send official GRE scores to Graduate Admission Services can be found at <https://admission.asu.edu/graduate/apply> (<https://admission.asu.edu/graduate/apply>).

A student whose undergraduate degree is not in civil or construction engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained on the graduate studies section of the program's website.

Applicants with an undergraduate GPA lower than 3.00 may be provisionally admitted at the discretion of the admission committee.

**Career Opportunities:**

The construction engineering graduate, with a strong background in design and management, is prepared to enter a career in the engineering and construction industry as a field engineer, project engineer or project designer working for:

- construction companies
- design firms
- facility owners
- materials suppliers
- specialty subcontractors

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Construction Engineering  
<https://ssebe.engineering.asu.edu/graduate/construction-eng/>  
CAVC 437  
[sebe.advising@asu.edu](mailto:sebe.advising@asu.edu)  
480-965-0595

## Construction Management, PHD (ESCONPHD)

**Online Degree Search Title:** Construction Management, PhD

**Campus:** Tempe

**Program Description:**

The Del E. Webb School of Construction has one of the top construction management doctoral programs in the United States. It provides a rigorous

education and teaching environment for students seeking an advanced degree.

The doctoral degree program requires novel, independent research that broadly contributes to the construction management body of knowledge; transdisciplinary research is often required due to the nature of the topics studied. Students can focus their elective coursework in emphasis areas such as heavy construction, commercial and residential, and specialty construction.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The doctoral program in construction typically requires three to four years of full-time study and research beyond the master's degree. Generally, students are admitted into the doctoral program at or near the completion of their master's degree.

The program requires 84 credit hours post-bachelor's degree or 54 credit hours post-master's degree.

The program consists of:

- core construction courses
- elective courses
- a qualifying examination
- a written and oral comprehensive examination
- admission to candidacy
- successful defense of a dissertation prospectus and complete dissertation

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Students who hold a master's degree in a related field from a regionally accredited university or equivalent are eligible to apply for admission to the program. Only exceptional students are admitted without a master's degree. Related fields include construction, civil engineering, architecture and business. At the discretion of the admission committee, students from other disciplines may be eligible as well. In addition, applicants are expected to be competent in construction topics.

Applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- a current resume
- an evaluation of the student's academic and professional background
- masters' degree thesis abstract
- personal statement
- research interests
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

Applicants must take the GRE and have their official scores sent directly to Graduate Admission Services. More information regarding how to send official GRE scores can be found on the Graduate Admission Services website.

The personal statement should describe the applicant's career goals and research objectives.

**Career Opportunities:**

Graduates of the Del E. Webb School of Construction's doctoral program have careers in architecture, engineering and construction industries, academia, and local, state and federal government. The program provides a foundation for students who wish to pursue careers as project managers, project engineers, estimators or schedulers and eventually become principals of firms engaged in the construction of industrial, commercial or residential projects.

The heavy construction emphasis area prepares students for careers related to public works such as highways, airports, bridges, utility systems and water or waste treatment facilities.

The commercial and residential emphasis areas prepare students for careers in real estate development, home production systems, commercial construction, health care and special industrial building projects. Students are also prepared to enter the sustainable or green construction market.

The specialty construction emphasis prepares students to organize, lead and manage the building process at the subcontractor level and prepares students for careers as contractors working with mechanical and electrical systems. It also prepares students for careers in management at specialty contracting firms, such as control systems, electrical distribution or heating, ventilation and air conditioning systems for large and complex facilities such as data centers, health care organizations and semiconductor manufacturing plants as well as commercial facilities.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Del E. Webb Construction  
<https://ssebe.engineering.asu.edu/graduate/construction-mgmt/>  
ECG 437  
sebe.advising@asu.edu  
480-965-0595

## Construction Management and Technology, MS (ESCONSTMS)

**Online Degree Search Title:** Construction Management and Technology, MS

**Campus:** Tempe, Online

**Program Description:**

The faculty of the Del E. Webb School of Construction offer a graduate program leading to the MS in construction management and technology. The transdisciplinary nature of the program allows a candidate's plan of study to reflect individual interests and career goals.

The primary objective of the program is to allow students with a bachelor's degree in construction or a related field such as architecture, business or engineering to broaden and improve their professional capabilities in construction. The program is designed to meet the growing need for professionals with advanced technical, management and applied research skills in the construction industry.

The facilities management specialty area supports the needs of the student desiring a career in the maintenance, operation, renovation or decommissioning of existing facilities. The construction management specialty area allows students seeking upper-level management positions in various sectors of the construction industry to improve their competency in project, program and company management areas.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Construction Management and Technology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours and an applied project (CON 593).

Required Core (6 credit hours)

Project Management and Controls Core Area (3 credit hours)

CON 502 Front-End Planning (3)

CON 530 Facilities Operations and Maintenance (3)

CON 532 Facilities Project Management (3)

CON 540 Construction Productivity (3)

CON 541 Public Works Capital Construction (3)

CON 545 Construction Project Management (3)

CON 548 Sustainable Construction (3)

CON 551 Alternative Project Delivery Methods (3)

CON 557 Principles of Leadership for Project Managers (3)

CON 567 Advanced Procurement Systems (3)

CON 589 Construction Company Financial Control (3)

Construction Technology Core Area (3 credit hours)

CON 531 Facility Management: Building Energy Management (3)

CON 554 Trenchless Construction Methods (3)  
CON 570 Introduction to Advanced Technology Facilities (3)  
CON 571 Construction of Advanced Technology Facilities (3)  
CON 575 Information Technology in Construction (3)

Electives or Research (18-24 credit hours)

Culminating Experience (0-6 credit hours)

CON 593 Applied Project (3)

CON 599 Thesis (6)

written comprehensive exam (0)

Additional Curriculum Information

Students chose one three-credit hour course from each of the core areas listed above for a total of nine credit hours. If a course is chosen as a core area course, it cannot be used as an elective course simultaneously.

The number of electives and research is adjusted depending on the culminating experience chosen by the student.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- current resume
- an evaluation of the student's academic and professional background
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency by meeting the Graduate College English proficiency requirements regardless of current residency.

Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English, and a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

Applicants are expected to be competent in basic construction topics.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-construction-management/>)

#### **Career Opportunities:**

The construction management and technology program provides a foundation for students who wish to pursue careers as project managers, project engineers, estimators or schedulers and eventually become principals of firms engaged in the construction of industrial, commercial or residential projects.

The heavy construction emphasis area prepares students for careers related to public works such as highways, airports, bridges, utility systems and water or waste treatment facilities.

The commercial and residential emphasis areas prepare students for careers in real estate development, home production systems, commercial construction, health care and special industrial building projects. Students are also prepared to enter the sustainable or green construction market.

The specialty construction emphasis prepares students to organize, lead and manage the building process at the subcontractor level and prepares students for careers as contractors working with mechanical and electrical systems. It also prepares students for careers in management at specialty contracting firms, such as control systems, electrical distribution or heating, ventilation and air conditioning systems for large and complex

facilities such as data centers, health care organizations and semiconductor manufacturing plants as well as commercial facilities.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Del E. Webb Construction  
<https://ssebe.engineering.asu.edu/graduate/construction-mgmt/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Data Science, Analytics and Engineering, PHD (ESDSEPHD)

**Online Degree Search Title:** Data Science, Analytics and Engineering, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in data science, analytics and engineering engages students in fundamental and applied research as preparation for careers in academia, government or industry.

The program's educational objective is to develop each student's ability to perform original research in the development and execution of data-driven methods for solving major societal problems. This includes the ability to identify research needs, adapt existing methods and create new methods as needed for data analytics and engineering.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

CSE 510 Database Management System Implementation (3)

CSE 543 Information Assurance and Security (3)

CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

IEE 670 Mathematical Statistics (3) or STP 502 Theory of Statistics II: Inference (3)

Electives (39 credit hours)

Research (12 credit hours)

DSE 792 Research (12)

Other Requirements (9 credit hours)

data engineering coursework or

data analytics coursework

Culminating Experience (12 credit hours)

DSE 799 Dissertation (12)

Additional Curriculum Information

All students must take qualifying exams covering the required core courses within one year of matriculation into the program.

The dissertation prospectus should be submitted and its oral defense completed no later than one year following completion of the 60th credit hour and also no later than the fourth year in the program.

Students must select coursework from either the data engineering or the data analytics requirements. Students should see the academic unit for the approved course list.

Students cannot take a data engineering or data analytics course and have it meet an elective requirement at the same time. Students need to take a different elective course to reach the total number of credit hours required for the program. Other coursework may be used with approval of the academic unit to fulfil these requirements.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework are to be made up of electives to reach the required 84 credit hours.

**Admission Requirements:**



Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, computer science, mathematics, statistics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- letter of intent or written statement
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Official TOEFL scores are required, and must have been taken within the last two years (only required for those who did not graduate with a baccalaureate degree from an accredited U.S. institution). The TOEFL score must be valid on the first day of class for the term the student is applying for. The School of Computing, Informatics and Decision Systems Engineering requires that TOEFL scores must be above 575 (paper), or 90 (iBT). IELTS with a minimum overall band score of 7.0 or the Pearson Test of English (PTE) with a minimum score of 65 or higher are also accepted.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses do not apply to the total credit hours required to complete the degree program.

Deficiency courses are:

CSE 205 Object-Oriented Programming and Data Structures

IEE 380 Probability and Statistics for Engineering Problem Solving

MAT 242 Elementary Linear Algebra OR MAT 342 Linear Algebra OR MAT 343 Applied Linear Algebra

MAT 267 Calculus for Engineers III

### **Career Opportunities:**

The doctoral program in data science, analytics and engineering provides a rigorous education with research and educational experiences that allow graduates to pursue careers in advanced research, teaching or state-of-the-art practice. Graduates demonstrate proficiency with existing methodology and significant accomplishment at advancing the state of the art in their chosen area of data science, analytics and engineering.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Computer Science and Engineering Program

<https://cidse.engineering.asu.edu/graduate-data-science-analytics-and-engineering/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## **Electrical Engineering, MS (ESEEMS)**

**Online Degree Search Title:** Electrical Engineering, MS

**Campus:** Tempe

All students seeking a master's degree in electrical engineering must apply to the electrical engineering MSE (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ESEEMSE/graduate/false>) program.

### **Program Description:**

This program does not accept applications to the MS directly. If interested in the Master of Science program, students should apply to the MSE program and, once admitted, consult with the Master of Science in Engineering program advisors.

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a research program leading to the Master of Science in electrical engineering.

Graduate courses and programs are offered in the following six areas of specialization:

- control systems
- electric power and energy systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- physical electronics and photonics
- signal processing and communications.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Electrical Engineering, BSE

Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

The credits earned toward this research degree must include a minimum of eight courses (24 credit hours minimum) and six hours of EEE 599 (thesis). As part of the eight courses, at least two should be outside the area of specialization.

Requirements include:

at least four EEE courses

at least two courses outside the area of specialization

at most two 400-level courses

at least three EEE 500-level courses

at most one EEE 590 Reading and Conference or FSE course

exam

A final oral examination in defense of the thesis completes the master's degree requirements.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students desiring the Master of Science in electrical engineering must initially apply to the Master of Science in Engineering program. Students who later obtain a research advisor may transfer to the Master of Science program.

**Career Opportunities:**

Graduates of the Master of Science in electrical engineering have an advanced understanding of electrical engineering concepts and theories. Graduates can apply these concepts and theories to one of six areas of specialization.

Career examples include:

- computer hardware engineer
- computer and information research scientist

- computer network architect
- director of engineering
- electrical engineer
- electrical engineering researcher
- energy engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
 GWC 209  
 askee@asu.edu  
 480-965-3424

**Electrical Engineering, MSE (ESEEMSE)**

**Online Degree Search Title:** Electrical Engineering, MSE

**Campus:** Tempe, Online

**Program Description:**

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a professional program leading to the MSE in electrical engineering.

Graduate courses and programs are offered in six areas of specialization:

- control systems (not an option for the online degree but available to on-campus students)
- electric power and energy systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- physical electronics and photonics
- signal processing and communications

A concurrent degree, the MBA/MSE in electrical engineering, is available as an online option. For more information, students should visit <https://wpcarey.asu.edu/mba-programs/online/concurrent-degrees> (<https://wpcarey.asu.edu/mba-programs/online/concurrent-degrees>).

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: W. P. Carey MBA - Online Program

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Electrical Engineering, BSE
- Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a written comprehensive exam.

The master's degree in electrical engineering is a professional degree requiring a minimum of 30 credit hours of coursework (a minimum of 10 classes) and a final comprehensive examination in the area of specialization. The examination is given each semester at the end of the sixth week of classes.

Requirements include:

- at least five EEE courses
- at least three EEE 500-level courses
- at least two courses outside the area of specialization
- at most one EEE 590 Reading and Conference or FSE course

at most two 400-level courses

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

The decision to admit a student who has earned a bachelor's degree from a program accredited by ABET to a master's degree program in electrical engineering is based on a number of factors. A minimum requirement is an undergraduate GPA of 3.00 (scale is 4.00 = "A") in the student's last two years of undergraduate work.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- GRE scores (required if undergraduate program is not ABET-accredited)\*
- proof of English proficiency

\*International and domestic applicants are exempt from taking the GRE if they have earned a degree from an ABET-accredited program (<https://www.abet.org/>) from a U.S. or overseas institution and if they meet the minimum GPA required for admission. Students who do not meet these requirements are required to provide GRE scores.

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the TOEFL iBT or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Admission to electrical engineering graduate programs is highly competitive. Preferred applicants have an undergraduate degree in electrical engineering.

Applicants should see the program website for application deadlines.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-engineering-electrical-engineering/>)

**Career Opportunities:**

Graduates of the Master of Science program in electrical engineering have an advanced understanding of electrical engineering concepts and theories.

Career examples include:

- computer hardware engineer
- computer and information research scientist
- computer network architects
- director of engineering
- electrical engineer
- energy engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
askee@asu.edu  
480-965-3424

**Electrical Engineering, PHD (ESEEPHD)**

**Online Degree Search Title:** Electrical Engineering, PhD

**Campus:** Tempe

**Program Description:**

The PhD in electrical engineering is awarded upon evidence of excellence in research leading to a scholarly dissertation that is a contribution to knowledge.

Graduate courses and programs are offered in the following six areas of specialization: control systems; electric power and energy systems; electromagnetics, antennas and microwave circuits; electronic and mixed-signal circuit design; physical electronics and photonics; and signal processing and communications.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Doctoral students are required to complete 84 credit hours of academic credit beyond the bachelor's degree. The following summarizes the degree course requirements:

Master's degree (30 credit hours)  
from any accredited institution

Electives 500-level or above (18 credit hours)  
at least nine credit hours of EEE courses

Research Class or Omnibus Courses (12 credit hours)  
can be 400-level and above or  
EEE 792 Research (12)

Dissertation (12 credit hours)  
EEE 799 Dissertation (12)

**Additional Curriculum Information**

The 84 credit hours include 30 credit hours from the master's degree, a required 18 credit hours of doctoral coursework, 12 credit hours of research (EEE 792), and 12 credit hours (and only 12 credit hours) of dissertation (EEE 799).

The additional 12 credit hours can be more hours of research (EEE 792) or can be coursework as determined by the supervisory committee. At least nine credit hours of the minimum requirement of 18 credit hours of doctoral coursework must be in electrical engineering. EEE 790 Reading and Conference can be used for no more than three credit hours toward the required 18 but does not count toward the nine hours of 500-level EEE classes required.

All courses counting toward the required 18 credit hour minimum must be at the 500 level or higher. (Note: All courses having the prefix EEE 591 count as 400-level courses.) No more than one three-hour reading and conference course (EEE 790) may be taken as part of the 18 credit hour requirement. The content of any proposed reading and conference course must be reviewed and approved by the electrical engineering graduate program chair before a student registers for the course.

A qualifying examination, a comprehensive exam and the dissertation defense are required. Additional information on the program can be found in the Blue Student Guide published and available on the program's website.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

In general, a student must have a minimum GPA of 3.00 (scale is 4.00 = "A") in all undergraduate coursework and a minimum GPA of 3.50 (scale is 4.00 = "A") in all graduate coursework for admission to the doctoral program. A student usually must hold a master's degree before being admitted to the doctoral program. Direct doctoral admission is available for students graduating from an ABET-accredited electrical engineering program with a GPA of 3.60 (scale is 4.00 = "A") or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the internet-based TOEFL or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

A student whose master's degree is not from a U.S. institution must score 156 or higher on the quantitative section of the GRE General Test. A good score on the writing portion is considered desirable.

A student whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Applicants should see the program website for application deadlines.

**Career Opportunities:**

Graduates have an advanced understanding and ability to develop and contribute to electrical engineering concepts and theories. They can apply these concepts and theories to one of six areas of specialization.

Career examples include:

- computer hardware engineer
- computer and information research scientist
- computer network architect
- director of engineering
- electrical engineer
- electrical engineering researcher
- energy engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
askee@asu.edu  
480-965-3424

## Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)

**Online Degree Search Title:** Electrical Engineering (Art, Media and Eng), MS

**Campus:** Tempe

**Program Description:**

This concentration in arts, media and engineering in the MS program in electrical engineering is a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts, and it is available for MS and PhD students admitted to this program who take two-thirds of their course, research and thesis credits from the electrical engineering program and one-third of the credits from the arts, media and engineering program.

All applicants are strongly encouraged to review the FAQ on this concentration available at <https://ecee.engineering.asu.edu/arts-media-and-engineering-ms-phd/> (<https://ecee.engineering.asu.edu/arts-media-and-engineering-ms-phd/>).

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with transdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being as well as promotion of environmentally sustainable practices.

For more information, students should see <https://artsmediaengineering.asu.edu/faculty-research> (<https://artsmediaengineering.asu.edu/faculty-research>).

**Degree Requirements:**

30 credit hours and a thesis.

Eight courses are required for this program, typically five from EEE and three from AME. In addition, six credit hours of thesis are required, typically four credit hours from EEE and two from AME.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Students from ABET-accredited undergraduate programs who wish to be considered for a master's degree program must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last two years of undergraduate coursework. Students from undergraduate programs that are not accredited by ABET must have a minimum GPA of 3.50 (scale is 4.00 = "A") in the last two years of undergraduate coursework or have graduated first class with distinction and must score in the 90th percentile or higher on the quantitative section of the GRE general test.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the internet-based TOEFL or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Applicants should submit materials that reflect the hybrid nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Applicants will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in a transdisciplinary research environment.

**Career Opportunities:**

Graduates are able to apply new ideas, theories and systems related to the intersection of media arts and electrical engineering. The transdisciplinary nature of this program allows art, media and engineering graduates to connect electrical engineering signals and systems constructs to multimedia computing, digital communication, immersive augmented reality and virtual reality experiences, and data visualization.

Career examples include:

- augmented and virtual reality researcher
- computer systems engineer
- electrical engineering professor
- systems software engineer

**Contact Information:**

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480-965-3424

**Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)**

**Online Degree Search Title:** Electrical Engineering (Art, Media and Eng), PhD

**Campus:** Tempe

**Program Description:**

This concentration in arts, media and engineering is a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts, and it is available for MS and PhD students admitted to this program.

Students take two-thirds of their coursework from the electrical engineering program and one-third of the credits from the arts, media and engineering program.

All applicants are strongly encouraged to see the FAQ on this concentration available at <https://ecee.engineering.asu.edu/arts-media-and-engineering-ms-phd/> (<https://ecee.engineering.asu.edu/arts-media-and-engineering-ms-phd/>).

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with transdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being, as well as promotion of environmentally sustainable practices. For more information, students should see <https://artsmediaengineering.asu.edu/faculty-research> (<https://artsmediaengineering.asu.edu/faculty-research>).

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program requires the following:

- a comprehensive examination
- the dissertation defense
- a qualifying examination
- 10 courses, typically seven from EEE and three from AME
- 12 credit hours of dissertation, typically eight credits from EEE and four from AME
- 12 credit hours of research, typically eight credits from EEE and four from AME

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants with a master's degree who wish to be considered for the doctoral program must have a minimum GPA of 3.50 (scale is 4.00 = "A") in their master's degree program. Applicants without a master's degree must have a minimum GPA of 3.60 (scale is 4.00 = "A") in the last two years of undergraduate coursework and have graduated from an ABET-accredited undergraduate program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the internet-based test (iBT) or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Applicants should submit materials that reflect the transdisciplinary nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Students will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in a transdisciplinary research environment.

#### **Career Opportunities:**

Graduates are able to generate and apply new ideas, theories and systems related to the intersection of media arts and electrical engineering. The transdisciplinary nature of this program allows art, media and engineering graduates to connect electrical engineering signals and systems constructs to multimedia computing, digital communication, immersive augmented reality and virtual reality experiences, and data visualization.

Career examples include:

- augmented and virtual reality researcher
- computer systems engineer
- electrical engineering professor
- systems software engineer



**Contact Information:**

Engineering, Ira A. Fulton Schools of  
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## Engineering, MEng (EENGRMENG)

**Online Degree Search Title:** Master of Engineering, MEng

**Campus:** Online

**Program Description:**

The MEng degree program is designed for working professionals and is delivered entirely online to meet the unique needs of professional engineers. It is a practice-oriented degree program, and students can customize their learning experience by selecting a curriculum that addresses their academic and professional goals.

In the master's degree program, multiple emphasis areas are available to meet the needs of the professional engineering community. Within each area of study, there are specific course requirements in addition to the general program requirements. Students can select one of several areas of study available, such as engineering management, quality, reliability and statistical engineering, and systems engineering.

Engineers will have the opportunity to gain valuable experience applicable to their chosen industry while gaining an advanced degree. Convenience and flexibility are key advantages of this program. The Master of Engineering is a 30-credit-hour degree program that does not require GRE results, a thesis or on-campus attendance; it is only available through distance learning. The degree program is supported through online courses available from the Ira A. Fulton Schools of Engineering.

**Degree Requirements:**

30 credit hours and a written comprehensive exam, or 30 credit hours and an oral comprehensive exam, or 30 credit hours including the required applied project course (CSE 593 or IEE 585 or IEE 593).

Students must complete 30 credit hours equaling 10 courses to earn a Master of Engineering. Half of all coursework, excluding the practice-oriented project, must be in engineering.

Students must complete three credit hours of applied engineering mathematics and three credit hours of engineering management or business.

A culminating event is required and will be identified by the student's advisory committee. It could be a final written or oral examination or the final report of a practice-oriented project. Additional requirements may exist for some academic units and emphasis areas of the Master of Engineering program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in the desired field of study, from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from all institutions attended
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

GRE scores are not required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/>)

**Career Opportunities:**

Engineers approach a broad range of disciplinary and transdisciplinary opportunities by applying new approaches and technologies to solve problems, innovate and create value. The Master of Engineering degree is an interdisciplinary program preparing engineering, science and technology majors with more advanced technical, management and practical skills that enhance a student's marketability to potential employers. The program is designed for people who are already employed in engineering or technical roles, or who are interested in expanding their skill set before entering a technical organization as manager or individual contributors.

According to the Bureau of Labor Statistics, engineers are highly paid, and there is significant growth in the number of employment opportunities. Graduates of this multidisciplinary program may perform the following career paths:

- Engineering managers hold leadership positions in management of projects, process and people, combining engineering competency with managerial skills to support the efficient development of new technology and products.
- Systems engineers may become technical managers who develop the technical design and manage complex systems by building on their interdisciplinary expertise, systems engineering principles and practical experience.
- Quality and reliability engineers utilize engineering principles to make business and production processes and products more efficient and dependable. They may also look for ways to seek efficiencies while maintaining reliable products and production methods.

**Contact Information:**

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CAVC 375  
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480-965-0637

## Engineering, MS (TSEGRMS)

**Online Degree Search Title:** Engineering, MS

**Campus:** Polytechnic

**Program Description:**

The MS program in engineering consists of a core set of courses designed so that students develop applied analytical expertise across disciplinary boundaries, with direct applications of advanced design principles to system design, management and control.

The student's expertise, developed through the core curriculum, is reinforced with the flexibility of focus area options that include alternative energy, mechanical engineering and manufacturing engineering. The culminating experience options are also flexible, allowing students to tailor the program to support their unique career goals while also becoming problem solvers who create and shape the future.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE
- Manufacturing Engineering, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (EGR 593).

Required Core (6 credit hours)

EGR 520 Engineering Analysis I (3)

EGR 530 Principles of Systems Engineering (3)

Focus Area (15 credit hours)

Electives (3-9 credit hours)

Culminating Experience (0-6 credit hours)

EGR 593 Applied Project (3) or

EGR 599 Thesis (6) or  
portfolio (0)

#### Additional Curriculum Information

Students should see the academic unit for a list of approved electives.

The elective credit hours required are dependent upon the chosen culminating experience option. Completion of 30 credit hours of coursework is required for all culminating experience options.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- GRE general exam scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should review the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET accredited program. Students should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience: [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)). Students should note that an approved waiver does not guarantee admission.

#### Career Opportunities:

Engineers collaborate on interdisciplinary teams to design, manufacture and deliver innovative technological products and services. The graduate program enables students to develop not only sophisticated engineering technical skills but also the important professional skills of communication, teamwork and collaboration, and the adaptability that many employers seek.

Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to pursue a doctorate degree. Due to the emphasis on design and project-based learning, the program supports an entrepreneurial spirit, and some students start companies of their own.

#### Contact Information:

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Engineering Programs  
<https://poly.engineering.asu.edu/advising/>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## Engineering Education Systems and Design, PHD (ESEESDPHD)

Online Degree Search Title: Engineering Education Systems and Design, PhD  
Academic Catalog Archive 2021-2022

**Campus:** Polytechnic

**Program Description:**

The PhD program in engineering education systems and design aims to advance understanding of the engineering education ecosystem. The goal of the program is to enable long-lasting improvement of the learning process and infrastructure in engineering education at all levels (i.e., K-12, higher education, engineering professionals, graduate students, etc.) by emphasizing the study of education as a complex ecosystem that takes into account the multiple inputs, outputs and interactions within an educational setting.

A typical student enters the program with a master's degree in an engineering or a related discipline and selects a research area such as engineering student pathways, increasing participation and retention of underrepresented groups in engineering, making and the maker movement, effective teaching and assessment strategies, the application of learner analytics to relevant data, or entrepreneurship.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam and a dissertation.

Required Core (18 credit hours)

EGR 535 Innovation and Design of Engineering Academic Settings (IDEAS) (3)

EGR 565 Qualitative Methods for Engineering Education Research (3)

EGR 572 Quantitative Methods for Engineering Education Research (3)

EGR 574 Engineering Education Systems in Context (3)

EGR 671 Applications of Qualitative Methods for Engineering Education Research (3)

EGR 673 Applications of Quantitative Methods for Engineering Education Research (3)

Electives and Research (24 credit hours)

electives (12)

research (12)

Culminating Experience (12 credit hours)

EGR 799 Dissertation (12)

Additional Curricular Information

Students may be allowed to apply up to 30 credit hours from a previously awarded master's degree to their doctoral program as approved by the academic unit and the Graduate College. If students do not have a master's degree, the remaining 30 credit hours must consist of at least 18 graduate-level credit hours in a particular engineering discipline and at most nine credit hours in support of the student's dissertation research area.

Students are allowed up to six credit hours of 400-level coursework on the student plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- two letters of recommendation
- GRE general exam scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. <https://learnenglish.asu.edu/online/admission> (<https://learnenglish.asu.edu/online/admission>)

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Students should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (mailto:polygrad@asu.edu) to request a waiver. Applicants can also submit a GRE waiver request form at [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)) if they have five years of full-time applicable professional experience. Students should note an approved waiver does not guarantee admission.

#### **Career Opportunities:**

Upon completion of the program, graduates are equipped to take competitive positions in top-tier research institutions as exemplary scholars and teachers or work as leaders in engineering education in a variety of settings, including:

- education startups
- government agencies
- industry
- policy setting institutions
- science centers and museums
- think tanks
- universities

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Engineering Programs  
<https://poly.engineering.asu.edu/advising/>  
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## **Engineering Science (Software Engineering), MSE (ESSFEMSE)**

**Online Degree Search Title:** Engineering Science (Software Engineering), MSE

**Campus:** Online

#### **Program Description:**

The MSE program in engineering science with a software engineering concentration offers specialized courses founded on the fundamentals and principles of software engineering. The program provides the knowledge and skills needed by a software engineer or software task leader on large and small projects requiring either agile methodologies or formal capability maturity model integration approaches.

The program addresses major software development methodologies, techniques, tools and processes for developing and managing software projects. The curriculum is based on the Software Engineering Body of Knowledge under the leadership of the IEEE Computer Society. Each course places an emphasis on applied assignments and projects that are relative to the student's workplace.

#### **Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours including the required applied project course (CSE 593).

Required Core (6 credit hours)

CSE 565 Software Verification, Validation and Testing (3)

CSE 566 Software Project, Process and Quality Management (3)

Concentration (3 credit hours)

CSE 591 Topic: Software Engineering Principles and Concepts (3)

Restricted Electives (18-21 credit hours)

Culminating Experience (0-3 credit hours)

CSE 593 Applied Project (3)

portfolio (0)

Additional Curriculum Information

For an approved list of restricted electives, students should see the academic unit.

Students select five or six elective courses: five for the applied project option or six for the portfolio option.

Two faculty member-approved 400-level courses may also be selected as electives for the restricted electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer engineering, software engineering or a related field from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 12 units of the postbaccalaureate transcript.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must provide evidence of demonstrated expertise in the area of object-oriented programming, advanced data structures, algorithm design and algorithm analysis; maturity in high-level programming (required); and successful completion of Calculus I (a minimum requirement).

GRE scores are not required.

Graduates of non-U.S. institutions must satisfy admission requirements established by the ASU Graduate College.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-engineering-engineering-science-concentration-software/>)

**Career Opportunities:**

Software engineers solve a broad range of disciplinary and transdisciplinary problems and apply new technologies to improve the quality of life. This master's degree prepares graduates for advanced study in computing and engineering, and it provides leadership to software engineering development projects and teams. Graduates of the program have experience using the software development life cycle and tools to solve complex, real-world problems.

According to the Bureau of Labor Statistics, software engineers are highly paid, and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:

- developing software to manage new regulatory requirements in industries, such as health care, and administering existing policies digitally
- identifying requirements and developing testing plans for computer systems being built into consumer electronics
- leading software development teams and projects for organizations of various sizes and complexities

**Contact Information:**

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**Environmental and Resource Management, MS (ESERMMS)**

**Online Degree Search Title:** Environmental and Resource Management, MS

**Campus:** Polytechnic

**Program Description:**

The MS program in environmental and resource management provides students who have a background in the sciences, engineering,

management, natural resources management, environmental health and safety, or other affiliated areas with the regulatory and technical background they need to mitigate the environmental impact of industrial sources of pollution, ensure compliance with environmental regulations, and manage and preserve engineered and natural ecosystems.

The curriculum focuses on areas such as environmental law, water and wastewater treatment, air pollution management, solid and hazardous waste management, management of hazardous materials, soils and groundwater contamination, water law and policy, environmental toxicology, hazardous waste management, natural resources management, occupational health and safety, sustainable development, and international environmental laws and policies.

Graduate courses are available in a traditional face-to-face format as well as web-based distance learning. It is possible to complete the program within two years, including summers. Many students are working professionals and are able to finish the degree while working full time.

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Business (Global Agribusiness), BA
- Environmental Science, BS
- Environmental Science, BA
- Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (ERM 593).

Required Core (6 credit hours)

ERM 502 Regulatory Framework for Toxic and Hazardous Substances (3) or ERM 527 Environmental/Resources Regulations Concepts (3)  
ERM 503 Principles of Toxicology (3)

Track Courses (9 credit hours)

Electives or Research (6-12 credit hours)

Other Requirement (3 credit hours)

ERM 506 Chemistry of Hazardous Materials (3)

Culminating Experience (0-6 credit hours)

ERM 593 Applied Project (3)

ERM 599 Thesis (6)

portfolio (0)

written comprehensive exam (0)

Additional Curriculum Information

Students select either the environmental management track or the international environmental management track.

Students choose one of the culminating experiences listed above. Thesis students take nine credit hours of electives and research; applied project students take twelve credit hours of electives and research; portfolio and written comprehensive exam students take fifteen credit hours of electives and research.

Students should see the academic unit for a complete list of approved electives and track courses.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in one of the following fields: environmental engineering, environmental and resource management, biology, chemistry, geology, environmental health,

environmental management, environmental science, occupational safety and health, environmental technology, industrial hygiene, natural resource management, or a related field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- official GRE general exam scores
- proof of English proficiency
- two letters of recommendation

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency> target="\_Blank").

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>)

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from an accredited institution in the United States with a cumulative GPA of 3.00 or better. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience. To request a waiver, applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>). An approved waiver does not guarantee admission.

#### **Career Opportunities:**

Graduates are employed by industrial operations such as manufacturing and mining industries, federal, state and local environmental and water agencies, environmental firms, utilities, nongovernmental organizations and international agencies such as the U.N. and World Bank.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/erm/ms-environmental-and-resource-management/>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## **Environmental and Resource Management (Water Management), MS (ESERMWTMS)**

**Online Degree Search Title:** Environmental and Resource Management (Water Management), MS

**Campus:** Polytechnic

#### **Program Description:**

The MS program in environmental and resource management provides students who have a background in the sciences, engineering, management, natural resources management, environmental health and safety, or other affiliated areas with the regulatory and technical background they need to mitigate the environmental impact of industrial sources of pollution, ensure compliance with environmental regulations, and manage and preserve engineered and natural ecosystems.

The concentration in water management focuses on issues of water quality, supply, treatment, reclamation, conservation and augmentation strategies. This program is applicable especially to people who work in municipal, state, federal and tribal water and environmental agencies; water providers to urban and agricultural users; people who work in manufacturing and mining industries; as well as those interested in sustainable development in this country and around the world.

Graduate courses are available in a traditional face-to-face format as well as web-based, asynchronous distance learning. It is possible to complete the program within two years, including summers. Many students are working professionals and are able to finish the degree while working full time.



**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Environmental Science, BA
- Environmental Science, BS
- Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (ERM 593).

Required Core (6 credit hours)

ERM 502 Regulatory Framework for Toxic and Hazardous Substances (3) or ERM 527 Environmental/Resources Regulations Concepts (3)  
ERM 503 Principles of Toxicology (3)

Concentration (9 credit hours)

ERM 523 Soils and Groundwater Contamination (3)  
ERM 533 Water and Wastewater Treatment Technologies (3)  
ERM 535 Water Law and Policy (3)

Electives or Research (9-15 credit hours)

Culminating Experience (0-6 credit hours)

ERM 593 Applied Project (3)  
ERM 599 Thesis (6)  
portfolio (0)  
written comprehensive exam (0)

Additional Curriculum Information

Students choose one of the culminating experiences listed above. Thesis students take nine credit hours of electives and research; applied project students take 12 credit hours of electives and research; portfolio and written comprehensive exam students take 15 credit hours of electives and research.

Students should see the academic unit for the approved course list for electives or research. Other coursework may be used with the approval of the academic unit.

The thesis and applied project options have an oral defense.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- official GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> ([https://admission.asu.edu/international/graduate/english-proficiency" target="\\_Blank](https://admission.asu.edu/international/graduate/english-proficiency)).

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency: <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>).

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience: [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)). Approval of the GRE waiver request does not guarantee admission to the program.

#### **Career Opportunities:**

Graduates are employed by industrial operations such as manufacturing and mining industries, federal, state and local environmental and water agencies, environmental firms, utilities, international agencies such as the U.N. and World Bank, and NGOs.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/erm/>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## **Environmental Engineering, MS (ESEVEMS)**

**Online Degree Search Title:** Environmental Engineering, MS

**Campus:** Tempe

#### **Program Description:**

The MS program in environmental engineering is designed for students who have a background in agricultural, biological, chemical, civil or environmental engineering or related fields.

The program provides students with advanced knowledge that can be applied when addressing grand challenges facing society, such as how to supply clean water and safe food, design a future without pollution, recover valuable resources from waste, and create healthy and smart cities.

Environmental engineers study nanotechnology, biotechnology and sustainable engineering.

#### **Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours and an applied project (EVE 593).

Required Core (12 credit hours)

CEE 561 Physical-Chemical Treatment of Water and Waste (3)

CEE 562 Environmental Biochemistry and Waste Treatment (3)

CEE 563 Environmental Engineering Chemistry (3)

CEE 567 Environmental Microbiology (3)

Electives or Research (6 - 12 credit hours)

Other Requirements (6 credit hours)

CEE 560 Soil and Groundwater Remediation (3)

CEE 564 Contaminant Fate and Transport (3)

EVE 568 Environmental Risk Assessment (3)

EVE 571 Water Quality Modeling (3)

Culminating Experience (3 or 6 credit hours)

EVE 593 Applied Project (3) or

EVE 599 Thesis (6)

written comprehensive exam (0)

#### Additional Curriculum Information

Students complete a thesis, applied project or take a written comprehensive exam as the culminating experience. Regardless of the culminating experience chosen, all students in the program complete six credit hours from the other requirements course list. Other requirement coursework may be substituted with approval of the academic unit.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in environmental engineering, chemical engineering, civil engineering, agricultural engineering, biological engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

The student's credentials for admission are evaluated by the graduate program chair. A student whose undergraduate degree is not in environmental engineering or a related field is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree program are specified at the time of admission.

Prospective students should note the following GRE score requirements need to be met for consideration for admission: minimum score in the quantitative section of 155 and minimum combined score for the quantitative and verbal sections of 301.

Applicants are strongly encouraged to submit a professional resume and personal statement.

#### Career Opportunities:

Graduates with a master's degree in environmental engineering are employed in engineering consulting, private industry, local and federal government, and nongovernmental organizations.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
School of Sustainable Engineering & Built Environmt  
<https://ssebe.engineering.asu.edu/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Graphic Information Technology, MS (ESGITMS)

**Online Degree Search Title:** Graphic Information Technology, MS

**Campus:** Polytechnic, Online

#### Program Description:

The MS program in graphic information technology provides students the opportunity to study within the various areas of graphics and cross-media design. Courses offered provide students with a working knowledge of the technology and management required of the diverse graphic industries.

This program prepares students to be industry leaders who develop and manage content through numerous communication and distribution modes. Creative and comfortable with complex digital technology, graduates are innovative problem-solvers prepared for leading roles in the rapidly evolving graphics industry.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Science (Graphic Information Technology), BAS
- Applied Science (Internet and Web Development), BAS
- Graphic Information Technology, BS
- Graphic Information Technology (User Experience), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (GIT 593).

Required Core (3 credit hours)

GIT 537 Current Issues in Cross Media Production (3)

Electives or Research (18-24 credit hours)

Other Requirement (3 credit hours)

GIT 500 Research Methods (3)

Culminating Experience (0-6 credit hours)

GIT 593 Applied Project (3) or

GIT 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students select an applied project, thesis or portfolio for the culminating experience. The culminating experience selected determines how many electives or research credit hours the student needs to take to complete 30 credit hours for the program.

Students should note that the thesis option is only available for on-campus students.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or master's degree from a regionally accredited institution in a related field such as graphic design, web design and development, photography, videography, motion graphics and visual effects, or user experience design.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- official GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should review the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency: <https://learnenglish.asu.edu/online/admission> (<https://learnenglish.asu.edu/online/admission>).

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/graphic-information-technology-ms/>)

**Career Opportunities:**

This degree program prepares graduates for management positions in diverse graphic technology industries, such as:

- digital asset management
- digital media production
- internet and web development
- motion graphics
- planning and evaluation of cross media content creation and output
- pre-media, digital printing and publishing
- social media
- usability and user experience

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Graphic Information Technology  
<https://poly.engineering.asu.edu/git/ms-in-graphic-information-technology/>  
SUTON 240  
polygrad@asu.edu  
480-727-4723

## Human Systems Engineering, MS (ECAPSYCHMS)

**Online Degree Search Title:** Human Systems Engineering, MS

**Campus:** Polytechnic

**Program Description:**

The MS program in human systems engineering in the Ira A. Fulton Schools of Engineering provides students with a deep understanding of the science of human performance and experience.

Students learn to use methods and tools that enable them to apply this understanding, to design and problem solve in a wide variety of domains such as product usability, learning design, sports performance, cyber security, human-robot teaming and workplace and patient safety.

A broad range of professions need experts in human factors to work on problems that involve an understanding of human performance. Students gain real-world experience by tackling projects that examine cutting-edge issues such as cell phones as a source of driver distraction, detection of improvised explosive devices, process optimization in health care and even control of unmanned vehicles.

Interest areas include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, human-robot teaming, health psychology, learning optimization, social cognition, threat detection and sports psychology.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Human Systems Engineering, BS
- Human Systems Engineering (User Experience), BS
- Industrial and Organizational Psychology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (HSE 593).

Required Core (12 credit hours)

- HSE 520 Methods and Tools in Applied Cognitive Science (3)
- HSE 530 Intermediate Statistics for Human Systems Engineering (3)
- HSE 531 Data Analytics: Modeling Human Subjects Data (3)
- HSE 542 Foundations of Human Systems Engineering (3)

Electives and Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)

HSE 593 Applied Project (6) OR

HSE 599 Thesis (6) OR

portfolio (0)

#### Additional Curriculum Information

Students have the option of doing a thesis (with industry guidance), an applied project to develop and demonstrate professional knowledge and skills, or a portfolio as the culminating experience.

Students selecting the thesis option work on the thesis, under faculty supervision, for at least one calendar year. The first three thesis credits are devoted to developing an idea and preparing a proposal for approval by a faculty committee. The next three credits allow for preparing the details of research design and data collection for the thesis (materials, computer programs, experimental test beds, questionnaires, etc.). The final six credits are devoted to collecting and analyzing data and writing and revising the thesis under the direction of the student's committee chair. Students defend the thesis in an oral examination.

In cases in which a student is engaged in a project initiated by industry, they may opt for the applied project option. Students carry out the applied project, under faculty supervision and guided by industry, in a calendar year in which the 12 credit hours outside of the core are allocated to a combination of research, applied project and report writing appropriate to the goals of the student and the industry partner. In all cases, the project culminates in a substantial written report followed by a comprehensive oral examination covering the project and other materials from required courses.

The portfolio should demonstrate a high level of mastery of the principles and practice of human systems engineering through a compilation of work that the student has completed through the course of their graduate study. While the specific details depend on the student's specialization, all portfolios must describe three notable projects or academic accomplishments that the student has completed through the course of graduate study that illustrate the evolution and advancement of the student's technical expertise and mastery of the field of human systems engineering. Submitted with the portfolio is a written document comprised of an overview of graduate experience and descriptions of the projects presented in the portfolio.

Applied project students take 12 elective credit hours, thesis students take nine elective credit hours plus three credit hours of HSE 592 Research, and portfolio students take 18 elective credits.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field (including engineering, computer science or business) from a regionally accredited institution.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE general exam scores
- statement of purpose describing professional and academic aspirations
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants can find complete information on the English proficiency exams and other required documents on the Polytechnic School website: <https://poly.engineering.asu.edu/hse/ms/> (<https://poly.engineering.asu.edu/hse/ms/>).

The letters of recommendation should be from college professors, employers (in a human factors-related field) or a combination of both academic and professional references.

Applicants to this program generally have completed an undergraduate course in statistics.

Only complete applications are reviewed.

#### Career Opportunities:

This master's degree program prepares students for industry and government careers in positions such as:

- game designer
- human factors engineer

- human systems integrator
- information systems designer
- interface designer
- military scientist
- user experience designer
- usability engineer

Graduates may work as a member of a design team for a product or system.

Recent graduates are working at places like Intel, Boeing, GoDaddy, Mayo Clinic, PayPal, Motorola, Google and the Air Force Research Lab. Recipients of this ASU master's degree also have gone on to pursue doctorates at ASU and other prestigious institutions.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Human Systems Engineering  
<https://poly.engineering.asu.edu/advising/>  
 SUTON 240  
 polygrad@asu.edu  
 480-727-4723

## Human Systems Engineering, PHD (TSSMACSPHD)

**Online Degree Search Title:** Human Systems Engineering, PhD

**Campus:** Polytechnic

**Program Description:**

Human systems engineering describes a growing transdisciplinary field consisting of the disciplines of psychology, engineering and computer science, that explores how people interact with technological and social systems in contexts that include transportation, medicine, military, computing and other complex systems. Cognitive science provides the foundation necessary for integrating human capabilities and limitations into complex sociotechnical systems (i.e., the practice of cognitive engineering), and the application of cognitive science relies heavily on human systems engineering methods.

A large domain exists in which the combination of applied cognitive science and human factors with a systems approach is imperative for the design of complex sociotechnical systems. Examples include:

- design and evaluation of learning settings and technology
- development of intelligent agents that work well with humans
- driving simulators for research on driver distraction
- dynamical systems models of team interaction
- gaming simulators for studying business decision-making
- human-in-the-loop simulation studies of cybersecurity analysis
- medical simulation for health care research
- models of cognitive states and processes of sociocultural systems
- nuclear control room simulation for improved human system integration
- pilot training research using aircraft simulators
- simulation of consumer behavior
- tests of future airspace control concepts using air traffic control simulators

This PhD program in human systems engineering is designed to ensure graduates are well-grounded and skilled in the methods of human systems engineering. The curriculum provides transdisciplinary, research-driven training in the computing, engineering, technology, applied cognitive science and human systems integration.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

HSE 520 Methods and Tools in Applied Cognitive Science (3)

HSE 521 Methods and Tools in Human Systems Engineering (3)

HSE 540 Foundations of Applied Cognitive Science (3)

HSE 542 Foundations of Human Systems Engineering (3)

Foundations (6 credit hours)

Methods and Tools (3 credit hours)

Applications (9 credit hours)

Electives (36 credit hours)

Research (6 credit hours)

HSE 792 Research (6) or additional electives as selected by the PhD committee

Culminating Experience (12 credit hours)

HSE 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives.

Electives are identified by the committee and approved by executive committee's approval.

No more than six credit hours of 400-level course work can be included on a graduate plan of study.

Students may petition the HSE Executive Committee to allow HSE-relevant or dissertation-relevant courses to be included as HSE elective courses.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in psychology, engineering, cognitive science, computer science or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from each college or university attended
- official GRE general exam scores
- personal statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should review the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. <https://learnenglish.asu.edu/online/admission> (<https://learnenglish.asu.edu/online/admission>)

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. They can also submit a GRE waiver request form if they have five years of full-time applicable professional experience: [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)). An approved waiver does not guarantee admission.

#### **Career Opportunities:**

Graduates are well-grounded in cognitive science and skilled in its methods and applications. Employers (e.g., Department of Defense, Federal Aviation Administration, Nuclear Regulatory Commission, hospitals, industry) have an ever-increasing demand for personnel who can bridge the gap between rigorous science and solutions to real-world problems. This program prepares students for industry and government careers in



positions such as:

- human factors engineer
- human systems integrator
- information systems designer
- interface designer
- military scientist
- user experience designer
- usability engineer

Graduates may work as a member of a design team for a product or system.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu/advising/>  
SUTON 240  
polygrad@asu.edu  
480-727-4723

## Human Systems Engineering (Aviation Human Factors), MS (ESHSEAHFMS)

**Online Degree Search Title:** Human Systems Engineering (Aviation Human Factors), MS

**Campus:** Polytechnic

**Program Description:**

The MS program in human systems engineering with a concentration in aviation human factors provides students with a deep understanding of the science of human performance and experience in the aerospace and aviation industries.

Students in this program participate in courses focusing on methods and tools in applied cognitive science, foundations of human systems engineering, uses of simulation, aviation physiology, and crew resource management, among other topics. The understanding of cognitive science and human systems concepts and tools gained enable students to effectively analyze, design and develop aerospace and aviation products, workspaces, operations and training programs.

**Degree Requirements:**

Required Core (12 credit hours)

HSE 520 Methods and Tools in Applied Cognitive Science (3)

HSE 530 Intermediate Statistics for Human Systems Engineering (3)

HSE 531 Data Analytics: Modeling Human Subjects Data (3)

HSE 542 Foundations of Human Systems Engineering (3)

Concentration (6 credit hours)

AMT 533 Aviation Systems and Psychology (3)

AMT 565 Safety in Complex Systems (3)

Electives and Research (6 or 12 credit hours)

Culminating Experience (0 or 6 credit hours)

HSE 593 Applied Project (6) or

HSE 599 Thesis (6) or

portfolio (0)

## Additional Curriculum Information

For electives and research coursework, enrollment in HSE 592 Research for three credit hours is required for students completing a thesis and optional for students completing the applied project or portfolio culminating experience. Students in all culminating experience options should contact the academic unit for an approved electives list.

Students completing a portfolio for the culminating experience must complete 12 credit hours of electives and research coursework.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, aeronautical management, psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent
- professional resume
- three letters of recommendation
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency: <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>).

Applicants may request a GRE waiver if the applicant received a bachelor's degree in a related field from an accredited institution in the United States with a cumulative GPA of 3.00 or better. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience. Applicants can email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. An approved waiver does not guarantee admission.

### **Career Opportunities:**

Graduates of this program are prepared for management, research and training positions in aerospace and aircraft manufacturing, airlines, flight training and government.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## **Human Systems Engineering (Health Systems), MS (ESHSEHSMS)**

**Online Degree Search Title:** Human Systems Engineering (Health Systems), MS  
Academic Catalog Archive 2021-2022

**Campus:** Polytechnic

**Program Description:**

The MS program in human systems engineering with a concentration in health systems provides current and future managers with the technical expertise to lead efficient health care systems by identifying needs through system modeling, field research and analytics to improve existing health care systems. This concentration program also attunes students to perform research and develop innovative approaches to transform health care from reactive to proactive systems, which reflect National Institute of Health initiatives.

**Degree Requirements:**

Required Core (12 credit hours)

HSE 520 Methods and Tools in Applied Cognitive Science (3)

HSE 530 Intermediate Statistics for Human Systems Engineering (3)

HSE 531 Data Analytics: Modeling Human Subjects Data (3)

HSE 542 Foundations of Human Systems Engineering (3)

Concentration (6 credit hours)

BMI 605 Health Information Systems and Applications (3)

BMI 613 Workflow Analysis and Redesign in Health Systems Engineering (3)

BMI 616 Clinical Decision Support and Evidence-based Medicine (3)

HCD 502 Health Care Systems and Design (3)

HCD 570 Process Engineering (3)

HCD 575 Leadership and Professionalism (3)

Electives and Research (0 - 9 credit hours)

Other Requirements (3 credit hours)

HSE 525 Health and Human Systems Engineering (3)

Culminating Experience (0 or 6 credit hours)

HSE 593 Applied Project (6) or

HSE 599 Thesis (6) or

portfolio (0)

**Additional Curriculum Information**

For electives and research coursework, enrollment in HSE 592 Research for three credit hours is required for students completing a thesis, and optional for students completing the applied project or portfolio culminating experience. Students in all culminating experience options should contact the academic unit for an approved electives list.

Students completing a portfolio for the culminating experience must complete 9 credit hours of electives and research coursework.

Other requirement course HSE 525 is required for all students, but in some situations may be substituted with academic unit approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, health, nutrition, psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency: <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>).

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from an accredited institution in the United States with a cumulative GPA of 3.00 or better. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience. To request a waiver, applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>). An approved waiver does not guarantee admission.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## Human Systems Engineering (Intelligent Systems), MS (ESHSEISMS)

**Online Degree Search Title:** Human Systems Engineering (Intelligent Systems), MS

**Campus:** Polytechnic

**Program Description:**

The MS program in human systems engineering with a concentration in intelligent systems provides students with a deep understanding of the science of human performance and experience in the engineering of intelligent systems, robotics and autonomous systems industries.

Students in this program participate in courses focusing on methods and tools in applied cognitive science and foundations of human systems engineering, including uses of simulation and robotics, among other topics.

This concentration prepares students for facilitating the future of work when humans will work closely with heterogeneous technology in the military, space exploration, manufacturing, medicine and agriculture.

**Degree Requirements:**

Required Core (12 credit hours)

HSE 520 Methods and Tools in Applied Cognitive Science (3)

HSE 530 Intermediate Statistics for Human Systems Engineering (3)

HSE 531 Data Analytics: Modeling Human Subjects Data (3)

HSE 542 Foundations of Human Systems Engineering (3)

Concentration (9 credit hours)

Electives and Research (3 or 9 credit hours)

Culminating Experience (0 or 6 credit hours)

HSE 593 Applied Project (6) or

HSE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

For electives and research coursework, enrollment in HSE 592 Research for three credit hours is required for students completing a thesis and optional for students completing the applied project or portfolio culminating experience. Students in all culminating experience options should contact the academic unit for an approved electives list.

Students completing a portfolio for the culminating experience must complete nine credit hours of electives and research coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, robotics engineering, mathematics or a related field from a regionally accredited institution. Students must have sufficient mathematics background for this concentration, including up to calculus III and linear algebra.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency: <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>).

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from an accredited institution in the United States with a cumulative GPA of 3.00 or better. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience. To request a waiver, applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>). An approved waiver does not guarantee admission.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## Human Systems Engineering (User Experience Research), MS (ESHSEUERMS)

**Online Degree Search Title:** Human Systems Engineering (User Experience Research), MS

**Campus:** Polytechnic

**Program Description:**

The MS program in human systems engineering with a concentration in user experience research focuses on designing products that are useful, usable, desirable, easy to learn, efficient to use and easy to remember. It focuses on the research, design and validation of all system components an end user interacts with, including software user interfaces, documentation, help systems, user support, aesthetics and communication. It is an important specialization within human systems engineering with a bright job outlook.

Students may complement their education with courses in graphic information technology, technical communications and entrepreneurship to strengthen their skills in information architecture, visual design and user interface prototyping. Additionally, hands-on user experience projects in these classes help students build portfolios necessary for entry-level positions.

**Degree Requirements:**

Required Core (12 credit hours)

HSE 520 Methods and Tools in Applied Cognitive Science (3)

HSE 530 Intermediate Statistics for Human Systems Engineering (3)

HSE 531 Data Analytics: Modeling Human Subjects Data (3)

HSE 542 Foundations of Human Systems Engineering (3)

Concentration (9 credit hours)

HSE 521 Methods and Tools in Human Systems Engineering (3)

HSE 525 Health and Human Systems Engineering (3)

TWC 511 Principles of Visual Communication (3)

TWC 514 Visualizing Data and Information (3)

TWC 544 User Experience (3)

Electives or Research

Culminating Experience

HSE 593 Applied Project (6) or

HSE 599 Thesis (6) or

portfolio (0)

## Additional Curriculum Information

For electives and research coursework, enrollment in HSE 592 Research for three credit hours is required for students completing a thesis and optional for students completing the applied project or portfolio culminating experience. Students in all culminating experience options should contact the academic unit for an approved electives list.

Students completing a portfolio for the culminating experience must complete nine credit hours of electives and research coursework.

## Admission Requirements:

An applicant must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, user experience, psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent
- professional resume
- three letters of recommendation
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency: <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>).

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from an accredited institution in the United States with a cumulative GPA of 3.00 or better. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience. To request a waiver, applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>). An approved waiver does not guarantee admission.

## Career Opportunities:

Graduates of the Master of Science program find employment in user experience design and user experience research at companies like Apple, Hulu, Slack, HP, GoDaddy and Intel.

## Contact Information:

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## Industrial Engineering, MS (ESINDENMS)

Online Degree Search Title: Industrial Engineering, MS

**Campus:** Tempe, Online

**Program Description:**

The industrial engineering MS program prepares students to give practical and economically efficient solutions to real-life, complex problems --- solutions that require a system level approach. Examples of these problems include health delivery, food and energy systems as well as those that arise in the strategic planning of manufacturing, logistics operations and service industries. Some of the tools used to address these problems include statistics, optimization, computer simulation and advanced analytics.

The industrial engineering program at Arizona State University is recognized for its high-impact, agile, interdisciplinary, results-oriented research on the most pressing societal needs and it is consistently ranked among the top 20 graduate programs in the United States. The program is immersed in the innovation environment that permeates Arizona State University, and its faculty members are internationally recognized for their innovative research projects, funded both by government and industry.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: W. P. Carey MBA - Online Program

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Engineering Management, BSE

Industrial Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including a portfolio.

Required Core (12 credit hours)

IEE 505 Information Systems Engineering (3) or IEE 506 Web-enabled Decision Support Systems (3)

IEE 545 Advanced Simulating Stochastic Systems (3) or IEE 561 Production Systems (3)

IEE 572 Design Engineering Experiments (3) or IEE 573 Reliability Engineering (3) or IEE 578 Regression Analysis (3)

IEE 574 Applied Deterministic Operations Research (3) or IEE 575 Applied Stochastic Operations Research Models (3)

Elective (0-6 credit hours)

Related Area (9-12 credit hours)

Culminating Experience (0-6 credit hours)

IEE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

The Master of Science in industrial engineering is a 30 credit hour program which has a thesis and a nonthesis track. The thesis track requires 24 credit hours of coursework, six credit hours of thesis, a written thesis and a final oral examination. The nonthesis track requires 30 credit hours of coursework and a portfolio.

At the time of admission, students' applications are considered primarily for the nonthesis track. After matriculating at Arizona State University, a student may consult with and receive approval from the industrial engineering faculty to pursue the thesis track.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.



All applicants must submit:

- graduate admission application and application fee
- official transcripts from all institutions attended
- a statement of purpose
- three letters of recommendation
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" (scale is 4.00 = "A") or higher.

A student with any deficiency coursework must complete each deficiency with a grade of "B" or better (scale is 4.00 = "A") within two semesters of admission to the program. Deficiency courses include:

CSE 110 Principles of Programming

CSE 205 Object-oriented Programming and Data Structures

IEE 376 Operations Research Deterministic Techniques/Applications

IEE 380 Probability and Statistics for Engineering Problem Solving

IEE 470 Stochastic Operations Research

MAT 242 Elementary Linear Algebra

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-industrial-engineering/>)

**Career Opportunities:**

Students completing the Master of Science program in industrial engineering are suited for careers in logistics, finance, defense, travel and health care.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Industrial, Systems & Operations Engineering Prgm

<https://cidse.engineering.asu.edu/industrial-engineering/>

CTRPT 105

[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)

480-965-3199

## Industrial Engineering, PHD (ESINDENPHD)

**Online Degree Search Title:** Industrial Engineering, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in industrial engineering engages students in fundamental and applied research. The overall educational objective of graduate study in industrial engineering is to improve each student's ability to identify, define and solve problems and perform original research to address the underlying causes of these problems. Industrial engineers develop qualitative and quantitative abilities to guide the design and operation of sustainable organizations and systems.

This doctoral program provides a rigorous education and provides students with research and educational experiences. A large number of these students are involved in applied research projects that are carried out in the context of government or privately-funded research. The program provides students access to many opportunities to participate in highly impactful research projects and interact with the leaders of the subfield that they choose to study and specialize in. Hence, many of them graduate with significant accomplishments resulting from the work they performed during the course of their doctoral study.

**Degree Requirements:**

85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (15 credit hours)

IEE 605 Foundations of Information Systems Engineering (3)

IEE 620 Optimization I (3)

IEE 622 Optimization II (3)  
IEE 640 Probability and Stochastic Processes (3)  
IEE 670 Mathematical Statistics (3)

Electives (42 credit hours)

Research and Internship Required Coursework (16 credit hours)

IEE 594 Conference and Workshop (1)  
IEE 700 Research Methods (1)  
IEE 784 Teaching Internship (1)  
IEE 790 Reading and Conference (1) OR IEE 584 Internship (1)  
IEE 792 Research (12)

Culminating Experience (12 credit hours)

IEE 799 Dissertation (12)

Additional Curriculum Information

Students are required to complete five core courses within the first year of full-time enrollment in the doctoral program. To be allowed to continue in the program after completion of the core courses, each student must take and successfully pass a qualifying exam on three of the five core courses.

Eligible students can request a master's in passing after successfully completing the qualifying exam and completing 30 credit hours in the doctoral program.

A written and an oral comprehensive examination are required no later than the semester following completion of 57 credit hours of coursework in the plan of study. The student must also successfully defend the dissertation prospectus and the dissertation research.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" or higher (scale is 4.00 = "A").

A student with any deficiency coursework must complete each deficiency with a grade of "B" (3.00) or better within two semesters of admission to the program.

Deficiency courses include:

CSE 110 Principles of Programming  
CSE 205 Object-Oriented Programming and Data Structures  
IEE 376 Operations Research Deterministic Techniques/Applications  
IEE 380 Probability and Statistics for Engineering Problem Solving  
IEE 470 Stochastic Operations Research  
MAT 242 Elementary Linear Algebra

Students should see the program website for application deadlines.

**Career Opportunities:**

Graduates of the program are prepared for careers in academia, government and industry doing teaching, advanced research, and developing and making use of advanced techniques for the operation of their businesses.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Industrial, Systems & Operations Engineering Prgm  
<https://cidse.engineering.asu.edu>  
CTRPT 105  
[cidse.advising@asu.edu](mailto:cidse.advising@asu.edu)  
480-965-3199

**Information Technology, MS (TSIFTMS)**

**Online Degree Search Title:** Information Technology, MS

**Campus:** Polytechnic, Online

**Program Description:**

The MS program in information technology teaches advanced technology skills to prepare students for careers in industry, education or government.

Students gain the ability to conceptualize, organize and realize information technology projects that meet the needs of users within an organizational or societal context. Students select coursework that encompasses core technologies in one of three focus areas: computer architecture and information security, information systems management and development, and enterprise computing.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Information Technology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours including the required applied project course (IFT 593).

Required Core (9 credit hours)

IFT 510 Principles of Computer and Information Technology Architecture (3)

IFT 520 Advanced Information Systems Security (3) or IFT 530 Advanced Database Management Systems (3)

IFT 540 Software Development for Information Technology (3)

Open Elective (6-9 credit hours)

Focus Area Electives (12 credit hours)

Culminating Experience (0 or 3 credit hours)

IFT 593 Applied Project (3) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely related field from a regionally accredited college or university.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- personal statement
- professional resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> ([https://admission.asu.edu/international/graduate/english-proficiency" target="\\_Blank](https://admission.asu.edu/international/graduate/english-proficiency)).

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. <https://learnenglish.asu.edu/online/admission> (<https://learnenglish.asu.edu/online/admission>)

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/information-technology-ms/>)

#### Career Opportunities:

Graduates of the information technology program are well-qualified for careers in the management of IT departments as this degree couples technical skills with the business skills needed to manage technical functions. Some graduates may pursue careers as technical support staff based on the focus area and secondary skills they achieve.

Graduates also have the ability to manage technical professionals within their focus areas. The focus area in computer and network systems: security and administration provides the graduate with the concepts underlying information assurance, securing computer applications, and secure communication of information. These skills are combined with knowledge in areas of computer systems and networking design, configuration and administration.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Information Technology  
<https://poly.engineering.asu.edu/advising/>  
SUTON 240  
polygrad@asu.edu  
480-727-4723

## Innovation and Venture Development, MS (HIIVDMS)

**Online Degree Search Title:** Innovation and Venture Development, MS

**Campus:** Tempe

#### Program Description:

The MS program in innovation and venture development integrates the most advanced practices and technologies from business, engineering and design in a transdisciplinary, experience-based program that prepares the next generation of leaders with skills needed for launching successful ventures in any industry or sector, inside existing organizations or as new entities.

Graduates are prepared to lead cross-disciplinary teams in a world of growing uncertainty and ambiguity. They can identify needs and evaluate opportunities, generating insights from real world problems; innovate solutions; and create and launch scalable business models that provide value to all stakeholders. Founders with this innovation and venture development degree from ASU can define a new standard for venture development.

#### Degree Requirements:

30 credit hours including the required capstone course (IVD 661).

#### Required Core (18 credit hours)

- IVD 525 Fundamentals of Entrepreneurial Leadership (3)
- IVD 560 Innovation Studio I: Discovery and Insight (3)
- IVD 561 Innovation Studio II: Problem Reframing (3)
- IVD 562 Innovation Studio III: Explore, Fail, Solve (3)
- IVD 630 Scaling Entrepreneurial Leadership (3)
- IVD 660 Innovation Studio IV: Business Model (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)

IVD 661 Innovation Studio V: Scale (6)

Additional Curriculum Information

Students should see the academic unit for a list of approved elective coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College, the Herberger Institute for Design and the Arts, the Ira A. Fulton Schools of Engineering and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in business, design, engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The applicant's written statement should describe an instance from the professional background outlining the applicant's use of innovation and entrepreneurial experience.

**Career Opportunities:**

Career opportunities include:

- chief innovation officer
- creative developer
- director of engineering
- founder or CEO
- innovation manager
- management consultant
- marketing director
- product developer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Dean, Herberger Institute for Design and the Arts

<https://design.asu.edu/>

CDN 162

msivd@asu.edu

480-965-3536

## Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)

**Online Degree Search Title:** Lean Six Sigma Black Belt (Graduate Certificate)

**Campus:** Tempe, Online

**Program Description:**

The Lean Six Sigma Black Belt graduate certificate is designed for engineers and managers who oversee tactical and strategic projects as well as various operational functions in their organizations.

The certificate program provides students with a set of contemporary tools they would use to produce measurable improvements in business processes. Students gain an in-depth understanding of the Six Sigma Define, Measure, Analyze, Improve, Control process and the tools used to

achieve effective process and product improvement. They develop the leadership and team-building skills necessary for overseeing continuous improvement projects with many stakeholders, and they understand how lean principles and design for Six Sigma fit into the overall task of product and process improvement.

The culminating experience is in line with the Black Belt certification requirements used nationwide in similar certification programs.

**Degree Requirements:**

15 credit hours including the required capstone courses (IEE 585).

Required Core (6 credit hours)

IEE 570 Advanced Quality Control (3)

IEE 581 Six Sigma Methodology (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

IEE 585 Six Sigma Capstone (3)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

A minimum grade of "B" is required for capstone course IEE 585.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Required Prerequisite Courses:

CSE 110 Principles of Programming, or equivalent

IEE 380 Probability and Statistics for Engineering Problem Solving, or equivalent

MAT 267 Calculus for Engineers III, or equivalent

No more than 40% of coursework toward the requirements of a graduate certificate may be completed prior to admission to the certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/lean-six-sigma-black-belt-graduate-certificate/>)

**Career Opportunities:**

Six Sigma is a proven systematic approach to continuous improvement of critical processes in a wide range of industrial environments such as banks, manufacturing facilities and hospitals. The American Society of Quality defines the Certified Six Sigma Black Belt as a professional who can explain Six Sigma philosophies and principles, including supporting systems and tools.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Industrial, Systems & Operations Engineering Prgm

<https://cidse.engineering.asu.edu/graduate-certificate-lean-six-sigma-black-belt/>

## Manufacturing Engineering, MS (TSMEGRMS)

**Online Degree Search Title:** Manufacturing Engineering, MS

**Campus:** Polytechnic

### Program Description:

Manufacturing engineering draws upon two distinct bodies of knowledge: manufacturing processes (i.e., how materials are altered in either shape or properties) and the processes of manufacturing (i.e., manufacturing systems and management). This combination of topics is embedded in the MS program in manufacturing engineering, and students can follow their interests by developing deeper expertise in either manufacturing processes or the processes of manufacturing.

The program provides advanced technical content to help students prepare for career transitions and improve company competitiveness. It consists of a core set of courses designed to provide all students with advanced knowledge of manufacturing fundamentals and an introduction to systems engineering. The expertise developed in the core curriculum supports student focus areas building on existing unit faculty strengths, including automation, additive and subtractive manufacturing processes including computer numerical control machining, modeling and simulation, electronics manufacturing and manufacturing management.

Thesis, applied project and portfolio options are offered for the culminating experience.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE
- Manufacturing Engineering, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (EGR 593).

Required Core (6 credit hours)

EGR 520 Engineering Analysis (3)

EGR 522 Statistics for Quality Control in Manufacturing (3)

Electives (15-21 credit hours)

Other Requirement (3 credit hours)

EGR 598 Topic: Manufacturing Systems Management (3)

Culminating Experience (0-6 credit hours)

EGR 593 Applied Project (3) or

EGR 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

EGR 598 Topic: Manufacturing Systems Management may be substituted with approval from the academic unit.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in engineering, physical sciences, mathematics or similar from a regionally accredited U.S. institution, or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that institution's country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- GRE general exam scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should review the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>)

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Students should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience: [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)). Students should note an approved waiver does not guarantee admission.

#### **Career Opportunities:**

Graduates of the Master of Science program in manufacturing engineering find opportunities in both large and small corporations and government agencies as well as within startup enterprises where they play a critical role.

Typical job responsibilities include manufacturing process design, manufacturing process management and quality control and assurance, and graduates with advanced degrees have opportunities to participate in and lead research teams that are developing the next generation of advanced manufacturing technologies.

ASU manufacturing engineering graduates are well placed and command top salaries in their engineering careers, some of which include:

- additive manufacturing
- automation and robotics
- engineering economics
- logistics and supply chain management
- manufacturing operations
- project management
- quality management and reliability

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Manufacturing Systems and Networks  
<https://poly.engineering.asu.edu/advising/>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## **Materials Science and Engineering, MS (ESMATEMS)**

**Online Degree Search Title:** Materials Science and Engineering, MS

**Campus:** Tempe, Online

#### **Program Description:**

The MS program in materials science and engineering prepares engineers for doctoral study or industrial positions that specialize in research, project management and product innovation in materials science and engineering.



The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in thermodynamics, structures and mechanical properties; kinetics; optical and magnetic properties; materials characterization; and energy production and storage.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Chemical Engineering, BSE
- Chemistry, BS
- Materials Science and Engineering, BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE
- Physics, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including a portfolio, or 30 credit hours including the required applied project course (MSE 593).

Required Core (6 credit hours)

MSE 523 Structural and Mechanical Properties of Materials (3)

MSE 524 Advanced Thermodynamics (3)

MSE 525 Fundamentals of Electrical, Optical, and Magnetic Materials and Device Applications (3)

MSE 561 Phase Transformations, Kinetics and Diffusion in Solids (3)

Technical Electives (18 or 24 credit hours)

Culminating Experience (0-6 credit hours)

MSE 593 Applied Project (3) or

MSE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

The materials science and engineering MS program has two options: thesis and nonthesis.

All students are admitted to the nonthesis option. The nonthesis option requires a portfolio. During the last semester of their program, students in the portfolio option submit a portfolio containing at least two projects from previous materials science and engineering coursework along with a paper explaining the projects. Students must successfully complete the portfolio requirements to pass the culminating experience. Students completing a portfolio must also take an extra six credit hours of elective coursework to reach the required 32 credit hours for the program.

Students in the applied project option write a written report in consultation with their faculty chair and present at the end of semester poster symposium.

If students wish to change to the thesis option, a faculty advisor has to be secured, and then a petition can be submitted to change to the thesis option. Students in the thesis option must complete a thesis and pass the thesis defense examination.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Admission to the materials science and engineering graduate program is highly competitive. All applicants must submit:

- graduate admission application and application fee
- official transcripts from all prior institutions attended
- official GRE score
- personal statement
- resume or curriculum vitae

- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants whose native language is not English are required to achieve a minimum score of 90 on the Internet-based TOEFL.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review and admission is not guaranteed.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-materials-science-and-engineering/>)

#### Career Opportunities:

Professionals with a materials science and engineering master's degree have strong opportunities at all levels in material design, selection, synthesis and characterization for a wide range of applications including electro-optical-magnetic systems, environmental systems, energy conversion and storage, manufacturing and construction. Materials jobs are available at a large number of high tech and manufacturing companies all sizes as well as national (DOE, DOD, NASA) laboratories and universities. Analytical skills learned in materials engineering are also valued for other non-engineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- research engineer

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Materials Science and Engineering Program  
<https://semte.engineering.asu.edu/materials-science-graduate/>  
ECG 202  
semtegrad@asu.edu  
480-965-2335

## Materials Science and Engineering, PHD (ESENMATPHD)

**Online Degree Search Title:** Materials Science and Engineering, PhD

**Campus:** Tempe

#### Program Description:

The PhD program in materials science and engineering prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

This field draws upon a fundamental base of knowledge, with underpinnings in physics, chemistry and engineering. The program extends that knowledge to address a broad range of materials-driven challenges, such as energy efficiency, sustainability, functional nanostructures, electronic materials, biomaterials and polymers.

Interdisciplinary in nature, the curriculum offers required courses in four core subjects:

- advanced thermodynamics
- kinetics and phase transformations
- physics of materials
- structure and properties of materials

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

MSE 523 Structural and Mechanical Properties of Materials (3)

MSE 524 Advanced Thermodynamics (3)

MSE 525 Fundamentals of Electrical, Optical, and Magnetic Materials and Device Applications (3)  
MSE 561 Phase Transformations, Kinetics and Diffusion in Solids (3)

Electives (3-18 credit hours)

Research (24-39 credit hours)  
MSE 792 Research

Other Requirement (3 credit hours)  
MSE 591 Seminar (3)

Culminating Experience (12 credit hours)  
MSE 799 Dissertation (12)

#### Additional Curriculum Information

Students entering with a bachelor's degree are required to complete a minimum of 18 credit hours of elective coursework. Graduate elective courses may be selected from any of the graduate courses in the materials science and engineering curriculum as well as elective courses from related disciplines (e.g., chemistry, physics, electrical engineering), subject to approval by the faculty advisor. These courses should comprise a focused plan of study with emphasis in a particular area of materials science, organized in consultation with faculty supervisory committee.

Students entering the doctoral program with a master's degree need to complete 24 credit hours of research (MSE 792). Students entering with a bachelor's degree are required to complete 39 credit hours of research (MSE 792).

MSE 591 is a one credit hour course to be taken in three semesters. The seminar course consists of a series of seminars presented by invited speakers and graduate students. Doctoral students are required to give a seminar presentation once during the academic year after they have begun their research.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives and research coursework as specified by the academic unit. If the master's degree has not been completed, a maximum of 12 credit hours of graduate work may be applied with program approval.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited U.S. or international institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Admission to the materials science and engineering doctoral program is highly competitive. All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Once the application file is complete, the file is forwarded to the faculty admissions committee for evaluation and recommendation.

The admission process considers all aspects of the student's application. The typical successful applicant has at least a 3.25 cumulative GPA (scale is 4.00 = "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE scores as well as high TOEFL scores for those whose native language isn't English.

Financial aid is available to highly qualified students. The most common type of financial aid is teaching and research assistantships, which are accompanied by tuition waivers and major medical insurance benefits. Other types of financial aid include Ira A. Fulton Schools of Engineering fellowships and Science Foundation Arizona fellowships.

**Career Opportunities:**

Professionals with a materials science and engineering doctoral degree have strong opportunities at all levels in material design, selection, synthesis and characterization for a wide range of applications including electro-optical-magnetic systems, environmental systems, energy conversion and storage, manufacturing and construction. Materials jobs are available at a large number of high tech and manufacturing companies of all sizes as well as national (DOE, DOD, NASA) laboratories and universities. Analytical skills learned in materials engineering are also valued for other non-engineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- research engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Materials Science and Engineering Program  
<https://semte.engineering.asu.edu/materials-science-graduate/>  
ECG 202  
semtegrad@asu.edu  
480-965-2335

## Mechanical Engineering, MS (ESMEMS)

**Online Degree Search Title:** Mechanical Engineering, MS

**Campus:** Tempe

**Program Description:**

The MS program in mechanical engineering prepares engineers for doctoral study or industrial positions that specialize in research, project management and product innovation in mechanical engineering.

The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aerospace Engineering (Aeronautics), BSE
- Aerospace Engineering (Astronautics), BSE
- Aerospace Engineering (Autonomous Vehicle Systems), BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including an applied project (MAE 593).

Major Area of Emphasis (12 or 15 credit hours)

Technical Electives (6 or 9 credit hours)

Mathematics (6 credit hours)

Culminating Experience (0 to 6 credit hours)

MAE 593 Applied Project (3) or

MAE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the thesis option.

The plan of study must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of approved courses at the 500 level and above, with a minimum cumulative GPA of 3.00 or above.

Coursework for the major area of emphasis is restricted to MAE coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency; a minimum score of 80 on the internet-based TOEFL is required.

Admission to the mechanical engineering graduate program is highly competitive and preferred applicants have an undergraduate degree in aerospace engineering or mechanical engineering.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review and admission is not guaranteed.

Applicants should see the program website for application deadlines.

**Career Opportunities:**

Professionals with a mechanical engineering master's degree have strong opportunities at most levels in mechanical engineering in research, design, and manufacturing at companies of all sizes as well as national laboratories (DOE, DOD, NASA). Analytical skills learned in mechanical engineering are also valued for other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- research engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/mechanical-graduate/>  
ECG 202  
semtegrad@asu.edu  
480-965-2335

**Mechanical Engineering, PHD (ESMEPHD)**

**Online Degree Search Title:** Mechanical Engineering, PhD

**Campus:** Tempe

**Program Description:**

This PhD program in mechanical engineering emphasizes original research and provides students with a strong background for employment by academic institutions, government laboratories and industrial research laboratories with a focus on mechanical engineering.

The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy. Modern computational and laboratory facilities are available to support timely research investigations.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

84 credit hours

qualifying exams

written and oral comprehensive exams

prospectus

dissertation

All students pursuing the doctorate are required to pass both a qualifying and a comprehensive examination administered by the program committee.

credit hours of coursework directly related to the research area (18)

credit hours of mathematics (9)

credit hours of graduate elective courses outside the major research area (9)

MAE 792 Research

MAE 799 Dissertation credit hours (12)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from an accredited U.S. or international institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency and is required to achieve a minimum score of 80 on the internet-based TOEFL.

Admission to the mechanical engineering doctoral program is highly competitive and preferred applicants have an undergraduate or Master of Science degree in aerospace engineering or mechanical engineering. The admission process considers all aspects of the student's application and admission is not guaranteed. The typical successful applicant has at least a 3.25 cumulative GPA (scale is 4.00 = "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE and a successful applicant whose native language isn't English would also have a high TOEFL score.

Applicants should see the program website for application deadlines.

**Career Opportunities:**

Professionals with a mechanical engineering doctoral degree have strong opportunities at all levels in mechanical engineering in research, design, and manufacturing at companies of all sizes as well as national laboratories (DOE, DOD, NASA). Analytical skills learned in mechanical engineering are also valued for other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- research engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/mechanical-graduate/>  
ECG 202  
semtegrad@asu.edu  
480-965-2335

## Modern Energy Production and Sustainable Use, MS (ESMEPSUMS)

**Online Degree Search Title:** Modern Energy Production and Sustainable Use, MS

**Campus:** Tempe

**Program Description:**

This MS program in modern energy production and sustainable use prepares students for professional careers in transdisciplinary areas of renewable energy generation and storage, energy-saving materials, manufacturing, sustainable transportation, and related fields in industry, government and educational institutions.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Mechanical Engineering, BSE

Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio.

Required Core (12 credit hours)

Choose four courses:

ALT 535 Applied Photovoltaics (3)

CHE 573 Fuel Cells and Biofuel Cells (3)

CHE 578 Biomass Energy Conversion Technology (3)

MAE 576 Energy Efficiency (3)

MAE 579 Wind Energy (3)

MAE 582 Renewable Energy: Mechanical Systems (3)

MSE 560 Nanomaterials in Energy Production and Storage (3)

SEC 501 Solar Engineering and Commercialization I (3)

Mathematics Elective (3 credit hours)

Sustainability Electives (6 credit hours)

Technical Electives (9 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

**Additional Curriculum Information**

The modern energy production and sustainable use program only offers a nonthesis, portfolio option.

Students should see the academic unit for a list of approved elective coursework. Other coursework may be used with approval of the academic unit.

During the last semester of their program, students submit a portfolio containing at least two projects from previous engineering coursework along with a paper explaining the projects. Students must successfully complete the portfolio requirements to pass the culminating experience.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any engineering, physical science or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- personal statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The minimum score required on the TOEFL iBT is 90.

**Career Opportunities:**

Professionals with a modern energy production and sustainable master's degree have strong opportunities at all levels in various energy related technologies with private and government entities. The skills learned in this degree prepare graduates for a career as a practicing engineer.

Career examples include:

- development engineer
- process engineer
- product engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School for Engineering of Matter, Transport & Energy  
<https://semte.engineering.asu.edu/>  
ECG 202  
semtegrad@asu.edu  
480-965-2335

## Molecular, Cellular, Tissue, and Biomaterials Engineering (Certificate), Certificate (ESMCTBGRCT)

**Online Degree Search Title:** Molecular, Cellular, Tissue and Biomaterials Engineering (Graduate Certificate)

**Campus:** Tempe, Online

This program is not accepting applications at this time.

**Program Description:**

Engineers are rapidly improving in their capability to manipulate the components of biological systems. Approaches for localized delivery of drugs, genetic manipulations of cells and building of tissue scaffolds are changing rapidly.

The certificate program in molecular, cellular, tissue and biomaterials engineering exposes students to many of the principles and techniques which are central to molecular, cellular, tissue and biomaterials engineering. Students who complete the program have a set of skills that enables them to participate in engineering biological systems at levels from the molecular to tissues.

**Degree Requirements:**

15 credit hours.



Required Core (3 credit hours)  
BME 533 Transport Processes I (3)

Electives (12 credit hours)

Additional Curriculum Information

Students should see the academic unit for an approved list of elective courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students should see below for more information.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students must have a BS or BSE in biomedical engineering, or a BS or BSE in engineering plus advanced (postbaccalaureate) training in medicine, physiology or related fields, or a BS in a science discipline, plus additional background work in biology, thermodynamics, fluids, transport and additional work in medicine, physiology or related fields. Specifically, applicants need to demonstrate equivalent proficiency in at least four of the following five areas:

- biomaterials
- electrical networks or circuits
- engineering mechanics
- fluid mechanics or engineering transport
- thermodynamics or physical chemistry

Admission exams are not required.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Biological & Health Systems Engineering  
<https://sbhse.engineering.asu.edu>  
ECG 334  
[sbhse.advising@asu.edu](mailto:sbhse.advising@asu.edu)  
480-965-3028

## Neural Engineering (Certificate), Certificate (ESNENGRCT)

**Online Degree Search Title:** Neural Engineering (Graduate Certificate)

**Campus:** Online

ASU is not currently accepting applications for this program.

**Program Description:**

Technologies for ameliorating neural disorders, such as epilepsy, stroke and paralysis, are developing rapidly. Understanding and deploying these technologies require specialized skills in neurophysiology, bioelectricity and neural-electronic interfaces.

The certificate program in neural engineering prepares clinical, industrial and academic practitioners with those skills through courses in areas of knowledge in neurophysiology, neuroanatomy and neuropathology. Students then go on to learn of the state-of-the-art neurotechnologies applied to current neural disorders as well as the biophysics which these devices exploit.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

BME 526 Introduction to Neural Engineering (3)

BME 561 Clinical Neuroscience (3)

Electives (9 credit hours)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students should see below for more information.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The English proficiency requirement for international applicants is equivalent to the ASU Graduate College policy: TOEFL of at least 550 PBT or 80 iBT, or IELTS overall band score of 6.5.

Applicants must have earned a BS or BSE or master's degree in biomedical engineering, or have earned a BS or BSE in engineering and have advanced (postbaccalaureate) training in medicine, physiology or related fields, or a BS in a science discipline, plus have additional background work in thermodynamics, fluids, transport and additional work in medicine, physiology or related fields. Specifically, applicants need to demonstrate equivalent proficiency in at least four of the following six areas:

- biomaterials
- electrical networks or circuits
- engineering mechanics
- fluid mechanics or engineering transport
- signals and systems or control systems
- thermodynamics or physical chemistry

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Biological & Health Systems Engineering  
<https://sbhse.engineering.asu.edu>  
ECG 334  
[sbhse.advising@asu.edu](mailto:sbhse.advising@asu.edu)  
480-965-3028

## Nuclear Power Generation (certificate), Certificate (ESNPGGRCT)

**Online Degree Search Title:** Nuclear Power Generation (Graduate Certificate)

**Campus:** Tempe, Online

**Program Description:**

The nuclear power generation graduate certificate program is a transdisciplinary professional option within the Ira A. Fulton Schools of Engineering.

Students typically begin with the study of nuclear science and engineering fundamentals. Subsequent core courses focus on nuclear power plant dynamics and diagnostics, nuclear power plant operations and safety, nuclear reactor theory and design, and structural materials in nuclear power systems.

Elective courses allow students to tailor the remaining studies toward facilitating their career goals and focusing on studies tied to their discipline. Example elective courses include nuclear power engineering, health physics and electrical power plants.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

EEE 562 Nuclear Reactor Theory and Design (3)

EEE 563 Nuclear Reactor System Dynamics and Diagnostics (3)

EEE 564 Interdisciplinary Nuclear Power Operations (3)

Electives (6 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they hold a bachelor's degree from a regionally accredited institution in an engineering or science discipline, such as physics, chemistry and mathematics.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Transcripts should be submitted for all undergraduate and graduate coursework taken.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-nuclear-power-generation/>)

**Career Opportunities:**

The goal of the program is to prepare students and professionals from a variety of engineering and scientific disciplines to work effectively in the nuclear energy industry, including in nuclear power plants, government regulatory agencies and national laboratories.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Electrical Engineering Program

<https://ecee.engineering.asu.edu/>

GWC 209

askee@asu.edu

480-965-3424

## Robotics and Autonomous Systems (Artificial Intelligence), MS (ESRASAIMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Artificial Intelligence), MS

**Campus:** Tempe

**Program Description:**

The artificial intelligence concentration is one of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields. This concentration is appropriate for students who wish to emphasize applications in artificial intelligence and computer science.

Students receive a solid theoretical and practical background in a variety of topics that facilitate the study of intelligent agents, that is any robotic system that perceives its environment and takes actions that maximize its chance of successfully achieving its goals. Thus, students in this

concentration are exposed to the frontiers of the general topics in AI, including statistical machine learning, computer vision, natural language processing, knowledge retrieval and reasoning, and formal methods of planning. When compared to the other concentrations, the AI concentration focuses more on the algorithmic aspects of robotics.

This program is offered by the School of Computing, Informatics and Decision Systems Engineering.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science, BS
- Computer Systems Engineering, BSE
- Informatics, BS
- Software Engineering, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)

Concentration (12 credit hours)

Electives or Research (6-12 credit hours)

Culminating Experience (0-6 credit hours)

CSE 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students are required to select one of the approved culminating experiences for the concentration.

Students should see the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the Graduate Program Committee.

A defense is required for the thesis option.

The portfolio is a compilation of three projects that are finished in the required concentration courses. Students must write a portfolio report that includes the highlights of the three projects.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students applying to the artificial intelligence concentration are expected to possess basic knowledge in key relevant areas, e.g., programming languages; discrete mathematics; data structures and algorithms; or similar topics. Indicative ASU courses include: CSE 220 or 240; MAT 243 or 300; and CSE 310.

**Career Opportunities:**

Graduates with an MS in artificial intelligence are prepared for doctoral study or for industrial positions in numerous industries as varied as manufacturing, transportation, aerospace, defense, and health care.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://ras.engineering.asu.edu/>  
CTRPT 105  
CIDSE.Advising@asu.edu  
480-965-3199

## Robotics and Autonomous Systems (Biomedical Engineering), MS (ESRASBEMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Biomedical Engineering), MS

**Campus:** Polytechnic, Tempe

**Program Description:**

The biomedical engineering concentration is one of five concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields. This concentration is appropriate for students who wish to focus on applications in biomedical engineering.

Biomedical engineers work at the interface of technology and medicine on challenges that are critical to the advancement of health and scientific discovery.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours and an applied project (BME 593).

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)

Concentration (6 credit hours)

BME 564 Cyber Biomedical Systems (3)

Choose one course from the following:

BME 507 Introduction to Digital Image Processing and Analysis (3)

BME 521 Neuromuscular Control Systems (3)

BME 525 Surgical Techniques (3)

BME 526 Introduction to Neural Engineering (3)

BME 527 Biomedical Device Design (3)

BME 556 Human Systems Neuroscience (4)

BME 561 Clinical Neuroscience (3)

BME 565 Magnetic Resonance Imaging (3)

BME 566 Medical Imaging Instrumentation (3)

BME 567 Tissue Engineering and Regenerative Medicine (3)

BME 568 Human Factors and System Design in Assistive Technologies (3)

Electives or Research (12 or 15 credit hours)

Culminating Experience (3 or 6 credit hours)

BME 593 Applied Project (3) or

BME 599 Thesis (6)

Additional Curriculum Information

Students are required to select one of the approved culminating experiences for the concentration.

Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the Graduate Program Committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

Graduates are prepared for doctoral study or for industrial positions in numerous and varied industries, such as manufacturing, transportation, aerospace, defense and health care.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Harrington Bioengineering Program  
<https://ras.engineering.asu.edu/>  
ECG 334  
sbhse@asu.edu  
480-965-3028

**Online Degree Search Title:** Robotics and Autonomous Systems (Electrical Engineering), MS

**Campus:** Tempe

**Program Description:**

This advanced degree program emphasizes competency in the rapidly growing fields of robotics and autonomous systems. This concentration is appropriate for students who wish to focus on applications in electrical engineering.

The electrical engineering concentration is one of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields.

Students receive a solid theoretical and practical background in a variety of topics that include theory, design and implementation of control systems; signal processing; real-time and embedded systems; computer vision; and machine learning. Students in this concentration are exposed to state-of-the-art and emerging theories and implementations related to sensing, data processing, adaptive control, automated mobility, autonomous systems, human-machine interaction and robotic applications in various domains including public safety, manufacturing, health care, automotive and assistive technologies.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Electrical Engineering, BSE

Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)

EEE 599 Thesis (6) or

written comprehensive exam (0) or

portfolio (0)

Additional Curriculum Information

Students are required to select one of the approved culminating experiences for the concentration.

Students should refer to the academic unit for the approved concentration coursework as well as the available elective and research courses.

Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the Graduate Program Committee. Three credit hours of internship may be included among the electives.

A defense is required for the thesis option.

The portfolio includes a poster presentation with content from courses taken in the program. Students must write a portfolio report that includes the highlights of the three projects.

A written comprehensive exam is required of students who select the comprehensive exam as the culminating experience. Students should see the academic unit for additional information.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- professional resume
- GRE scores (required if undergraduate program is not ABET-accredited)\*
- proof of English proficiency

\*International and domestic applicants are exempt from taking the GRE if they have earned a degree from an ABET-accredited program (<https://www.abet.org/> (<https://www.abet.org/>)) from a U.S. or overseas institution and if they meet the minimum GPA required for admission. Students who do not meet these requirements are required to provide GRE scores.

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

### **Career Opportunities:**

After completing the electrical engineering concentration of the Master of Science program in robotics and autonomous systems, students are prepared for doctoral study or for industrial positions in numerous industries ranging from manufacturing and transportation to aerospace, defense, health care and beyond.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
AskEE@asu.edu  
480-965-3424

## **Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS (ESRASMAEMS)**

**Online Degree Search Title:** Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

**Campus:** Tempe

### **Program Description:**

The mechanical and aerospace engineering concentration is one of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields.

This concentration is appropriate for students who wish to focus on applications in mechanical or aerospace engineering.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aerospace Engineering (Aeronautics), BSE
- Aerospace Engineering (Astronautics), BSE
- Aerospace Engineering (Autonomous Vehicle Systems), BSE
- Mechanical Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (MAE 593).

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)



Culminating Experience (0-6 credit hours)

MAE 599 Thesis (6) or

MAE 593 Applied Project (3) or  
portfolio (0)

Additional Curriculum Information

Students are required to select from one of the available concentrations and one of the approved culminating experiences for the concentration.

Students should see the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the Graduate Program Committee. Three credit hours of internship may be included among the electives.

A defense is required for the thesis option.

The applied project requires a written report and an oral presentation.

The portfolio includes a poster presentation with content from courses taken in the program. Students must write a portfolio report that includes the highlights of the three projects.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

Robotics engineers are in high demand in various engineering specialty areas like manufacturing, mechanical, aerospace, biomedical-rehabilitation, autonomous vehicles, artificial intelligence, etc. Skills in the design and control of robotic systems, artificial intelligence, machine learning and robot perception are valuable to consumer, automotive, aerospace and defense industries.

Career examples include:

- automation engineer
- machine learning and AI engineer
- robotics engineer
- systems engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School for Engineering of Matter, Transport & Energy  
<https://semte.engineering.asu.edu/>  
ECG 202  
semtegrad@asu.edu  
480-965-2335

## Robotics and Autonomous Systems (Systems Engineering), MS (ESRASSEMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Systems Engineering), MS

**Campus:** Polytechnic

### Program Description:

The systems engineering concentration is one of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields.

This concentration is appropriate for students who wish to focus on applications in systems engineering.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE
- Manufacturing Engineering, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (EGR 593).

Required Core (6 credit hours)

MAE 501 Linear Algebra in Engineering (3)

MAE 547 Modeling and Control of Robots (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)

EGR 599 Thesis (6) or

EGR 593 Applied Project (3) or  
portfolio (0)

Additional Curriculum Information

Students are required to select one of the approved culminating experiences for the concentration.

Students should see the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics, or others approved by the Graduate Program Committee. Three credit hours of internship may be included among the electives.

A defense is required for the thesis option.

The applied project requires a written report and an oral presentation.

The portfolio includes a summary of the graduate program and a report highlighting three projects from the program.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a US bachelor's or master's degree from a regionally accredited institution, or the equivalent of a US bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts from each college or university attended
- personal statement
- professional resume
- official GRE scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> ([https://admission.asu.edu/international/graduate/english-proficiency" target="\\_Blank](https://admission.asu.edu/international/graduate/english-proficiency)).

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency: <https://learnenglish.asu.edu/online/admission> (<https://learnenglish.asu.edu/online/admission>).

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience. An approved waiver does not guarantee admission.

#### Career Opportunities:

Graduates are prepared for industry careers in positions such as:

- automation engineer
- controls engineer
- machine learning engineer
- robotics engineer
- systems engineer

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Engineering Programs  
<https://poly.engineering.asu.edu/advising/>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## Semiconductor Processing (Certificate), Certificate (ESSCPRGRCT)

**Online Degree Search Title:** Semiconductor Processing (Graduate Certificate)

**Campus:** Tempe, Online

#### Program Description:

This certificate program provides a series of courses in semiconductor processing, packaging and characterization that prepare students for careers in the industry or for graduate studies. Students select from a set of core courses and technical electives.

#### Degree Requirements:

15 credit hours.

Required Core (9 credit hours)

EEE 530 Advanced Silicon Processing (3)

IEE 572 Design Engineering Experiments (3)

MSE 550 Advanced Materials Characterization (3)

Electives or Research (6 credit hours)

#### Additional Curriculum Information

Students should see the academic unit for available elective and research coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/semiconductor-processing-graduate-certificate/>)

**Career Opportunities:**

Professionals with a semiconductor processing certificate can find employment with semiconductor device manufacturers and semiconductor processing equipment manufacturers at all levels. The skills learned in this program prepare graduates for a career as a practicing engineer.

Career examples include:

- development engineer
- process engineer
- product engineer

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School for Engineering of Matter, Transport & Energy  
<https://semte.engineering.asu.edu/>  
ECG 207  
semtegrad@asu.edu  
480-965-2335

## Sensor Signal and Information Processing (Certificate), Certificate (ESSSIPGRCT)

**Online Degree Search Title:** Sensor Signal and Information Processing (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate program in sensor signal and information processing provides background and application-oriented training in processing and interpreting signals acquired from sensors. The focus is on building knowledge and skills in several sensor network applications.

The program includes courses on signal and data processing for sensor systems. Course topics include digital signal processing, random signal theory, detection and estimation, sensor systems, big data and machine learning. The certificate may be completed with on-campus coursework and iCourses.

**Degree Requirements:**

16 credit hours.

Required Core (10 credit hours)

EEE 407 Digital Signal Processing (3) or EEE 509 DSP Algorithms and Software (3)  
EEE 517 Sensors and Machine Learning (1)  
EEE 554 Random Signal Theory (3)  
EEE 556 Detection and Estimation Theory (3) or EEE 606 Adaptive Signal Processing (3)

Electives (6 credit hours)

#### Additional Curriculum Information

Students choose from EEE 407 or EEE 509 and EEE 556 or EEE 606 as part of the core coursework.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in an engineering or a science discipline such as physics, mathematics or computer science from an accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Regular admission is granted to applicants who have at least a GPA of 3.00 or equivalent (scale is 4.00 = "A") and are competitive in the applicant pool. All prerequisites to the sensor signal and information processing certificate required courses must be in place (EEE 203 and EEE 350 from ASU, or signals and systems and random signals course equivalents from other universities).

#### Career Opportunities:

The certificate is a professional graduate program. The area of sensor information extraction and interpretation has various professional applications including health, sustainability, media, communications and security.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
GWC 209  
askee@asu.edu  
480-965-3424

## Software Engineering, MS (TSSERMS)

**Online Degree Search Title:** Software Engineering, MS

**Campus:** Polytechnic

#### Program Description:

The MS program in software engineering focuses on developing advanced knowledge and abilities in the design and application of software. The program involves the application of engineering principles to software development, including design methodologies, operation principles and maintenance and testing approaches.

The Master of Science program builds upon the BS program in software engineering and is aimed at developing students' professional skills in this

discipline as well as providing opportunities for them to engage in and develop research abilities.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Software Engineering, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required capstone course (SER 517).

Required Core (9 credit hours)

SER 501 Advanced Data Structures and Algorithms (3)

SER 502 Emerging Languages and Programming Paradigms (3)

SER 515 Foundations of Software Engineering (3)

Electives (15-18 credit hours)

Culminating Experience (3 or 6 credit hours)

SER 517 Software Factory I (3) or

SER 599 Thesis (6)

Additional Curriculum Information

Students should see the academic unit for a list of approved electives.

For the culminating experience, students have the choice of completing the capstone course (SER 517) or a thesis (SER 599). Completion of 30 credit hours of coursework is required for all culminating experience options.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely related field from a regionally accredited institution (or international equivalent).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE test scores
- three letters of recommendation
- personal statement
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 240 Introduction to Programming Languages

CSE 360 Introduction to Software Engineering

SER 222 Design and Analysis of Data Structures and Algorithms OR CSE 310 Data Structures and Algorithms

SER 334 Operating Systems and Networks OR CSE 330 Operating Systems

### **Career Opportunities:**

Software engineers solve a broad set of transdisciplinary problems and apply new technologies to improve the quality of life.

This master's degree is a unique program in which students learn by solving engaging projects, commonly as a member of a development team.

The program prepares graduates for advanced study in computing, an allied field, or to enter the computing profession (most commonly as an application software engineer). Graduates design and engineer innovative systems that may include mechanical and electrical components that interact with software.

According to the Bureau of Labor Statistics, software engineers are highly paid and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:

- creating applications for mobile devices
- creating web applications
- designing, creating and validating software for avionics, robotics and similar systems fields

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Software Engineering  
<https://cidse.engineering.asu.edu/graduate-program-software-engineering/>  
PICHO 245  
cidse.gradpoly@asu.edu  
480-965-3199

## Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)

**Online Degree Search Title:** Solar Energy Engineering and Commercialization, PSM

**Campus:** Tempe

**Program Description:**

The PSM program in solar energy engineering and commercialization offers advanced, interdisciplinary education in solar energy to students with backgrounds in science, technology, engineering or mathematics. The objective of the program is to enable graduates to pursue careers that involve solar energy and its utilization, in industry, government or the nonprofit sector.

Students in the program must select courses from technical and nontechnical tracks, including solar energy policy, spanning a number of academic programs and schools. Opportunities exist for engagement with the solar energy industry or government policymakers, leading to a required applied research project that culminates the program.

The degree program is meant to be completed in 12 months by full-time students.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Electrical Systems), BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (SEC 593).

Required Core (9 credit hours)

- HSD 512 Solar Energy Policy Workshop (2)
- SEC 501 Solar Engineering and Commercialization I (3)
- SEC 510 Solar Energy and Policy (1)
- SEC 588 Solar Energy Colloquium (3)

Electives (15 credit hours)

Culminating Experience (6 credit hours)

- SEC 593 Applied Project (6)

Additional Curriculum Information

Of the electives, six credit hours must be selected from the list of technical courses and six credit hours must be selected from the list of nontechnical courses. An additional three credit hours are required and can be selected from either the technical or nontechnical course list. Students should see the academic unit for the approved course lists.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in a field such as science, technology, engineering and mathematics from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from each institution from which a degree was earned
- general GRE
- three letters of recommendation
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Other details regarding English proficiency requirements are described on the ASU admissions website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

**Career Opportunities:**

Professionals with this Professional Science Master's degree can find employment in solar energy and commercialization in the residential, commercial and utility sectors. The skills learned in this degree prepares graduates for a career as a project manager or practicing engineer.

Career examples include:

- engineer
- field engineer
- field lead
- field project manager
- project lead
- project manager

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School for Engineering of Matter, Transport & Energy  
<https://semte.engineering.asu.edu/solar/>  
ECG 202  
semtegrad@asu.edu  
480-965-2335

## Sustainable Engineering, MSE (ESSUEMSE)

**Online Degree Search Title:** Sustainable Engineering, MSE

**Campus:** Online

**Program Description:**

The MSE in sustainable engineering is a multidisciplinary graduate program ideal for professionals and graduate-level students with engineering and physical science backgrounds who wish to design a flexible individualized plan of study.

Courses cover such sustainable engineering topic areas as energy systems and alternative energy production; water, transportation or earth systems engineering; industrial ecology; life cycle assessment; environmental technologies; green construction practices and sustainable technology systems.

The goal of sustainable engineering is to enable long-lasting improvement of the human condition. Sustainable engineering transcends traditional engineering education by integrating considerations of complex social, environmental, political and economic factors into engineering theory and practice in order to achieve more economically, technically, environmentally, institutionally and socially efficient and robust solutions.



**Degree Requirements:**

30 credit hours including the required applied project course (CEE 593) and a written comprehensive exam, or 30 credit hours, a thesis and a written comprehensive exam, or 30 credit hours, a written comprehensive exam and the required capstone course (CEE 588).

Required Core (12 credit hours)

Infrastructure Systems Track (9 credit hours) or  
Energy Systems Track (9 credit hours) or  
Earth Systems Engineering and Industrial Ecology Track (9 credit hours)

Electives (3 credit hours)

Culminating Experience (6 credit hours)

**Additional Curriculum Information**

Students complete nine credit hours in a selected track. Available track options are infrastructure systems, energy systems, and earth systems engineering and industrial ecology.

Students should see the academic unit for an approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or master's degree in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students with a degree in civil engineering, environmental engineering, construction engineering, mechanical engineering or with an engineering degree other than these listed may be admitted, with deficiencies as identified by the sustainable engineering faculty, if appropriate. If the applicant does not have an undergraduate degree in any of these programs, additional requirements may be necessary based upon the applicant's background, including sufficient courses in mathematics that include calculus, differential equations and linear algebra. A faculty committee determines which required courses are needed on a case-by-case basis.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-engineering/>)

**Career Opportunities:**

Sustainable engineering students can pursue careers as sustainability consultants, sustainability managers, corporate social responsibility sustainability professionals and water engineering specialists, among others.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Sustainable Engineering & Built Environment  
<https://ssebe.engineering.asu.edu/graduate/sustainable/>  
CAVC 437  
Sebe.advising@asu.edu  
480-965-0595

**Online Degree Search Title:** Systems Engineering, PhD

**Campus:** Polytechnic

**Program Description:**

The PhD in systems engineering is a transdisciplinary graduate program offered by the School of Manufacturing Systems and Networks.

The program is aimed at advancing the understanding of complex engineering systems and where these systems are inclusive of technological aspects, as well as social, cultural, environmental and other interacting components that impact the input, output and interactions within a system. The program prepares students to identify, model, analyze, interpret, optimize and manage the multidimensional interactions of the ever-increasing complexity of modern technological and societal challenges.

A typical incoming student in this program would have a master's degree in engineering or related discipline. The core curriculum provides the foundation for systems thinking, systems identification, systems modeling and systems design and analysis using diverse disciplinary methodological approaches. Students in this doctoral program use their capacity to evaluate complex systems and a depth of mathematical maturity to study problems for which complexity is impeding progress.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam and a dissertation.

Required Core (9 credit hours)

EGR 602 Principles of Independent Research (3)

EGR 608 Advanced Simulation (3)

EGR 611 Complex Engineering Systems (3)

Technical Electives (3 credit hours)

Electives and Research (60 credit hours)

Culminating Experience (12 credit hours)

EGR 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used toward this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework is made up of electives to reach the required 84 credit hours.

Students are required to take 12 credit hours of EGR 792 as part of their research coursework.

Elective coursework should be directly in support of the student's research as advised by the supervisory committee.

Students with a BS degree coming into the doctoral program in systems engineering must complete at least nine credit hours of approved mathematics courses after the completion of their bachelor's degree. Students select appropriate elective courses in consultation with the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in engineering from a regionally accredited institution, or if they have earned the equivalent of a US bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants without a master's degree in engineering or a closely related field must have a minimum cumulative GPA of 3.75 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program coupled with a record of research or leadership accomplishments (or both). Applicants with a master's degree in engineering or a closely related field must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the applicable master's degree program. Exceptional undergraduates are encouraged to apply after completion of a BS degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from each college or university attended
- two letters of recommendation
- GRE scores
- statement of purpose

- resume or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> ([https://admission.asu.edu/international/graduate/english-proficiency" target="\\_Blank](https://admission.asu.edu/international/graduate/english-proficiency)).

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency: <https://learnenglish.asu.edu/online/admission> (<https://learnenglish.asu.edu/online/admission>)

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. They can also submit a GRE waiver request form if they have five years of full-time applicable professional experience: [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)). An approved waiver does not guarantee admission.

#### Career Opportunities:

The doctoral program in systems engineering prepares students for industry careers in areas such as:

- automotive systems
- energy systems, including alternative energy and grids
- manufacturing
- robotics

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
School of Manufacturing Systems and Networks  
<https://poly.engineering.asu.edu/advising/>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)

**Online Degree Search Title:** Technology (Aviation Management and Human Factors), MSTech

**Campus:** Polytechnic

#### Program Description:

The MSTech degree program offers a concentration in aviation management and human factors.

Students in this program are provided with professional skills and exposed to educational theory and practice for use in leadership positions within the aviation industry. Management and leadership positions at airports of all sizes require skills in labor management and policy, economics and analysis, national aerospace structure and aviation law, as well as an awareness of unmanned systems and flight operations. Those interested in the human systems and safety area find exceptional use of educational discussions on human performance and the human limitations and capabilities of working within a complex system.

Courses are offered at the Polytechnic campus, with some courses offered as iCourses.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aeronautical Management Technology (Air Traffic Management), BS
- Aeronautical Management Technology (Air Transportation Management), BS
- Aeronautical Management Technology (Professional Flight), BS
- Aeronautical Management Technology (Unmanned Aerial Systems), BS
- Air Traffic Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic

departments to apply.

**Degree Requirements:**

33 credit hours and a portfolio, or 33 credit hours and a thesis, or 33 credit hours including the required applied project course (AMT 593).

Required Core (12 credit hours)

Restricted Electives (3-21 credit hours)

Human Factors Track Option (12 or 15 credit hours)

Aviation Management Track Option (12 or 15 credit hours)

Culminating Experience (0-6 credit hours)

AMT 593 Applied Project (3) or

AMT 599 Thesis (6) or

portfolio (0)

**Additional Curriculum Information**

The detailed design of the graduate student's program requirements with the selection of the required courses is the responsibility of the student along with the supervisory committee chair and committee members.

Students in this graduate program also have the opportunity to enroll in human systems engineering (prefix HSE) and technological entrepreneurship and management (prefix TEM) graduate courses. Students may focus their study on courses that best prepare them for their career or for the next step in their educational process.

Applied project students complete 15 credit hours (five track courses) and thesis students complete 12 credit hours (four track courses) selected in consultation with an advisor. In addition, three credit hours of AMT elective coursework are chosen in conjunction with the student's advisor or committee. Students who do not select a track complete 15 or 18 credit hours from the restricted electives list or other courses approved by the student's supervisory committee. All students in the aviation management and human factors concentration must take at least five AMT graduate courses.

The portfolio option demonstrates a high level of mastery of the principles and practice of aviation management and human factors through a compilation of work the student completes through the course of their graduate study. While the specific details depend on the student's specialization, all portfolios must describe three notable projects or academic accomplishments that illustrate the evolution and advancement of the student's technical expertise and mastery of the field of aviation management and human factors. The submission must include a written document that includes an overview of graduate experience and descriptions of projects presented in the portfolio.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- personal statement
- professional resume
- three letters of recommendation
- proof of English proficiency

**Additional Application Requirements**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>).

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. <https://learnenglish.asu.edu/online/admission> (<https://learnenglish.asu.edu/online/admission>)

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience: [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)). An approved waiver does not guarantee admission.

#### **Career Opportunities:**

The program's focus is on preparing graduates for a career in the aviation industry, and it can serve as the foundation for further advanced study. Graduates of this program possess technical and professional skills for use in leadership positions in the aviation industry.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Aviation Programs  
<https://poly.engineering.asu.edu/advising/>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## **Technology (Environmental Technology Management), MSTech (TSMGMSTECH)**

**Online Degree Search Title:** Technology (Environmental Technology Management), MSTech

**Campus:** Polytechnic

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

#### **Program Description:**

The MSTech degree program with a concentration in environmental technology management provides students with a background in the sciences, engineering, environmental science, natural resource management, industrial hygiene or other affiliated areas with the regulatory and technical background to manage complex environmental problems.

Graduate courses are available in a traditional face-to-face format as well as web-based distance learning. While the faculty and program are based at the Polytechnic campus, the entire program can be completed online. It is possible to complete the program within two years, including summers. Most students are working professionals and are able to finish the degree while working full time.

The curriculum includes courses on topics such as:

- air pollution
- chemistry of hazardous materials
- environmental health
- environmental law
- hazardous waste management
- industrial hygiene
- international environmental law and policy
- soil and groundwater contamination
- solid waste management
- sustainable development
- toxicology
- tribal environmental and resource management

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

33 credit hours and a thesis, or 33 credit hours including the required applied project course (ETM 593 or ERM 593), or 33 credit hours including the required written comprehensive exam.

Required Core (12 credit hours)

Approved Electives (15-21 credit hours)

Research (0-3 credit hours)

ETM 592 Research

Culminating Experience (0-6 credit hours)

ETM 593 Applied Project (3) or

ETM 599 Thesis (6) or

written comprehensive exam (0)

Additional Curriculum Information

Concentration area coursework includes 12 credit hours of core classes and 15 credit hours of approved electives in addition to six credit hours of ETM 599 Thesis or ETM 593 Applied Project and ETM 592 Research. The research requirement is for students completing an applied project. The written comprehensive exam option requires 12 credit hours of core classes and 21 credit hours of approved electives to reach the 33 credit hours required for the program.

Supporting coursework includes the following areas of study:

- air pollution
- environmental chemistry
- environmental health
- environmental management leadership
- hazardous waste management
- homeland security
- international environmental law and policy
- international environmental management
- soils and groundwater contamination
- sustainability and sustainable development
- sustainable solid waste systems
- tribal environmental resource management
- water and wastewater treatment technologies
- water resource management

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- statement of purpose (maximum of 600 words)
- current resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants can find complete information on the English proficiency exams and other required documents at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Applicants may opt to submit up to three letters of recommendation.

Students should see the program website for application deadlines. Late applications may still be considered for the same application term or for

the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration.

Undergraduate coursework of applicants admitted to this program generally includes chemistry, calculus and statistics. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/advising/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Technology (Graphic Information Technology), MSTech (TSGIMSTECH)

**Online Degree Search Title:** Technology (Graphic Information Technology), MSTech

**Campus:** Polytechnic, Online

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The MSTech program with a concentration in graphic information technology provides students the opportunity to study within the various areas of graphics and cross media.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Science (Graphic Information Technology), BAS
- Applied Science (Internet and Web Development), BAS
- Graphic Information Technology, BS
- Graphic Information Technology (Gaming), BS
- Graphic Information Technology (User Experience), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a portfolio, or 33 credit hours and a thesis, or 33 credit hours including the required applied project course (TMC 593 or GIT 593).

Students are required to complete a minimum of 33 credit hours of graduate coursework. Of the total 33 credit hours, a minimum of 27 credit hours must be 500-level courses and part of the approved program. Additional courses may be assigned by the faculty supervisory committee, depending on the background of the candidate. The minimum degree requirements are as follows:

Applied Project Option

- technical area of emphasis (18)
- supporting area (9)
- research methods course (3)
- applied project (3)

Portfolio Option

- technical area of emphasis (21)
- supporting area (12)
- portfolio (0)

Thesis Option

- technical area of emphasis (18)
- supporting area (9)

thesis (6)

Most graduate degree-seeking students in this program elect to do an applied project rather than a thesis. The applied project generally allows the student to thoroughly explore a graphics-related problem and demonstrate knowledge of the problem, solutions for the problem and suggestions for further explanation of the problem. Another culminating experience option is the portfolio which allows a student to compile work from the graduate coursework and summarize their experience. Students in the ASU Online program must select the applied project or portfolio option.

Courses within the various graphics areas are taught on a rotating basis.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following items. Incomplete files will not be reviewed or considered until complete.

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- statement of purpose (letter of application)
- current resume
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English must meet English proficiency requirements as defined by Graduate Admission Services regardless of current residency. Students should be sure to review the TOEFL, IELTS, or PTE score requirements as their application will not be processed without valid proof of English proficiency. <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>)

The GRE can be waived in some situations. Students should refer to the GRE waiver request (<https://poly.engineering.asu.edu/advising/graduate-students/> (<https://poly.engineering.asu.edu/advising/graduate-students/>)) for more information, and they should note that submitting the GRE waiver request is not a guarantee of approval.

Optionally, applicants may submit two letters of recommendation.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration.

Undergraduate coursework of admitted applicants to this program generally include precalculus and statistics but are not required. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission and must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/graphic-information-technology-ms/>)

#### **Career Opportunities:**

Graduates are prepared for management positions in diverse graphic technology industries, such as:

- commercial and technical photography and video
- digital asset management
- digital media production
- front-end web design and development
- motion graphics
- planning and evaluation of cross media content creation and output
- pre-media, digital printing and publishing
- quality assurance
- social media
- usability and user experience



**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Graphic Information Technology  
<https://poly.engineering.asu.edu/advising/>  
WANER 101  
polygrad@asu.edu  
480-727-4723

## Technology (Management of Technology), MSTech (TSMRMSTECH)

**Online Degree Search Title:** Technology (Management of Technology), MSTech

**Campus:** Polytechnic

**Program Description:**

The MSTech program with a concentration in management of technology is open to individuals with a technical undergraduate degree who wish to develop their leadership and management skills to complement their technical expertise. The curriculum is tailored to the needs of the student, ensuring each student obtains basic leadership and management skills.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE
- Global Management, BGM
- International Trade, BS
- Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a portfolio, or 33 credit hours including the required applied project course (TMC 593).

It is expected that graduates of the program possess skills in research and the ability to apply these research skills in practice. To achieve this goal, each student is required to complete OMT 549 Research Techniques and Applications and either TMC 593 Applied Project or a portfolio (0).

Additionally, each student is required to select four courses from the following list: (12 credit hours)

- OMT 503 Marketing Management (3)
- OMT 504 Ethical Issues in Technology (3)
- OMT 540 International Management (3)
- OMT 548 Statistical Methods for Research (3)
- OMT 592 Research (1-3)
- OMT 598 Special Topics (1-4)
- TMC 584 Internship (1-3)

Graduate courses from other majors may be selected with approval from the student's graduate advisory committee; these additional courses are selected to support the student's individual career goals and perceived needs. To ensure that all courses taken fit into the plan of study, all students are expected to discuss their tentative plan with their program advisors prior to registering for their first class and they must have an approved plan of study on file by the completion of nine credit hours toward the degree.

Students without a statistics course at the undergraduate level are required to complete an appropriate course during the first semester in the program. This course is in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Students should contact the department for more information.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from each college or university attended
- official GRE general exam scores
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> ([https://admission.asu.edu/international/graduate/english-proficiency" target="\\_Blank](https://admission.asu.edu/international/graduate/english-proficiency)).

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>)

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience: [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)). An approved waiver does not guarantee admission.

#### **Career Opportunities:**

This degree program prepares students for leadership roles as technically proficient professionals in technology-driven organizations, whether private or public. Students are prepared to successfully transition into leadership positions in their fields of expertise after graduation and to move into a general leadership role outside their areas of technical expertise as their careers grow.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Tech Entrepreneurship & Mgmt  
<https://poly.engineering.asu.edu/advising/>  
SUTON 240  
[polygrad@asu.edu](mailto:polygrad@asu.edu)  
480-727-4723

## **User Experience, MS (ESUSEXMS)**

**Online Degree Search Title:** User Experience, MS

**Campus:** Polytechnic, Online

#### **Program Description:**

The MS program in user experience combines topics in web, human factors, visual displays and technical communication to make products, systems and services useful, usable and desirable.

Students learn how to research user needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered evaluation methods. User experience skills are increasingly valued by industry yet are not typically covered in depth in traditional engineering or technical communication programs.

Students enhance their employment potential with a master's degree in user experience.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Graphic Information Technology (User Experience), BS

Human Systems Engineering (User Experience), BS

Technical Communication (User Experience), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including a required capstone course (GIT 560 or HSE 560 or TWC 560).

Required Core (18 credit hours)

GIT 540 Cross-Media Design Solutions (3)

GIT 542 Usability and User Experience (3)

HSE 521 Methods and Tools in Human Systems Engineering (3)

HSE 542 Foundations of Human Systems Engineering (3)

TWC 501 Fundamentals of Technical Communication (3)

TWC 544 User Experience (3)

Electives or Research (9 credit hours)

Culminating Experience (3 credit hours)

GIT 560 Capstone in User Experience (3) or

HSE 560 Capstone in User Experience (3) or

TWC 560 Capstone in User Experience (3)

Additional Curriculum Information

Students should see the academic units for a complete list of approved electives and research courses. Other courses may be used with approval of the academic units.

Students choose one capstone course as the culminating experience for the program.

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College, the Ira A. Fulton Schools of Engineering and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in related fields such as psychology, graphic information technology, graphic design, human systems engineering, business, cognitive science, design or technical communication from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- writing sample
- GRE scores
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>)

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. They can also submit a GRE waiver request form if they have five years of full-time applicable professional experience: [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)). An approved waiver does not guarantee

admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/online-user-experience-masters/>)

**Career Opportunities:**

Graduates with this degree can typically expect to find jobs in the areas of:

- design research
- digital visualization design
- human-computer interaction
- human factors research
- interaction design
- interface design
- usability testing
- user experience
- user research

**Contact Information:**

Integrative Sciences and Arts, College of  
Human Systems Engineering  
<https://poly.engineering.asu.edu/advising/>  
SUTON 240  
polygrad@asu.edu  
480-727-4723

## Global Futures, College of

### Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)

**Online Degree Search Title:** Applied Ethics (Biomedical and Health Ethics), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

Medicine is infused with moral values and is deeply embedded in a variety of social and cultural contexts which significantly determine the effectiveness of medical care in achieving healthy outcomes for patients and populations. The objective of the biomedical and health ethics concentration in the MA program in applied ethics is to integrate academic and clinical dimensions of moral issues with medical practice and biomedical research.

Students from a broad range of backgrounds are exposed to the internal and external logics of medicine, health care and biotechnology, and they will gain substantive understanding of ethical, cultural and societal issues in a variety of domains through coursework and other experiences. Students deliberate individually and collectively about a wide range of issues and problems in contemporary medicine and the history of medicine; develop advanced critical normative reasoning and judgment capacities; and cultivate effective communication skills for academic, clinical and policy contexts.

**Degree Requirements:**

30 credit hours including the required applied project course (AEP 593).

Required Core (3 credit hours)

AEP 501 Practical and Professional Ethics (3)

Concentration (3 credit hours)

BIO 516 Foundations of Bioethics (3)

Concentration Electives (18 credit hours)

Culminating Experience (6 credit hours)

## AEP 593 Applied Project (6)

### Additional Curriculum Information

Electives are related to the concentration study. Students must request approval from the chairperson of the degree program prior to selecting elective coursework.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement of interest and qualification
- resume
- two letters of recommendation
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

GRE scores are not required.

### Contact Information:

Global Futures, College of  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/AEP-BHE-welcome>  
INTDSB 256  
sfisgrad@asu.edu  
480-727-9498

## Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)

**Online Degree Search Title:** Applied Ethics (Science, Tech and Ethics), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### Program Description:

The science, technology and ethics concentration of the MA program in applied ethics and the professions focuses on the ethical issues that arise from the multiple challenges involved in balancing economic, technological, environmental, social and cultural development in a world increasingly affected by science and technology. It provides the student with a general background in ethics and ethical systems with an emphasis on ethical issues in science and technology. The program also exposes students to new challenges posed by rapidly evolving sociotechnical systems in such areas as:

- energy, environment and development
- genetic engineering and biotechnology
- information and communication technology
- nanotechnology
- risk assessment
- technology and security

### Degree Requirements:

30 credit hours including the required applied project course (AEP 593).

Required Core (3 credit hours)

AEP 501 Practical and Professional Ethics (3)

Concentration (3 credit hours)  
HSD 598 Topic: Science, Technology and Ethics (3)

Concentration Electives (18 credit hours)

Culminating Experience (6 credit hours)  
AEP 593 Applied Project (6)

#### Additional Curriculum Information

Electives are related to the concentration study. Students must request approval from the chairperson of the degree program prior to selecting elective coursework.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- personal statement of interest and qualification
- two letters of recommendation
- proof of English language proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

GRE scores are not required.

#### Contact Information:

Global Futures, College of  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/AEP-STE-welcome>  
INTDSB 256  
sfisgrad@asu.edu  
480-727-9498

## Biomimicry, MS (LABMYMS)

**Online Degree Search Title:** Biomimicry, MS

**Campus:** Online

#### Program Description:

The MS program in biomimicry, the practice of emulating nature's strategies for human designs, is offered in conjunction with The Biomimicry Center <http://biomimicry.asu.edu> (<http://biomimicry.asu.edu>), in cooperation with Biomimicry 3.8, the internationally recognized leader in the field.

Designed to empower change agents passionate about a world mentored by life's genius, graduates work toward innovative and sustainable solutions to pressing global challenges, exploring the way business is conducted, buildings and products are designed, governments operate, health care is provided, goods are manufactured and how future generations will be educated --- all inspired by nature's time-tested sustainable solutions developed over the last 3.8 billion years.

The program is designed to prepare students to facilitate the practice of biomimicry across corporate, government, education and nongovernment organization sectors. In addition to core content and electives, students gain biomimicry experience in biome-based applications, business case studies, biological strategy research and in each participant's self-designed biomimicry project in the student's chosen career field.

#### Degree Requirements:

30 credit hours and a portfolio.

Required Core (13 credit hours)

BMY 501 Essentials of Biomimicry (1)

BMY 502 Life's Principles (4)

BMY 503 Biology Taught Functionally (4)

BMY 504 Biomimicry Thinking (4)

Electives or Research (11 credit hours)

Other Requirements (6 credit hours; choose 3)

BMY 530 Virtual Design Lab Practicum (2)

BMY 580 Topic: BioBrainstorm Practicum (2)

BMY 580 Topic: Biomimicry Case Study Practicum (2)

BMY 580 Topic: Biomimicry Genius of Place Practicum (2)

Culminating Experience

portfolio

Additional Curriculum Information

For electives or research, students should contact the academic unit for the approved course list.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- questionnaire (to be filled out and uploaded)
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-biomimicry/>)

### **Career Opportunities:**

Training in biomimicry offers a toolset of transferable skills that enhance work in any trade: commercial, industrial or government. Graduates will engage and lead others within their organization by practicing and demonstrating world-class biomimicry.

Opportunities include leading research groups focused on biomimicry thinking, developing in-house training and biomimicry tools for companies, becoming a biologist at the design table or directing sustainability efforts. The knowledge and skills gained can also lead to initiating or transforming a consulting practice into the field of biomimicry. Biomimicry helps set professionals apart, brings about positive change, and complements or creates any career path.

As a transdisciplinary, transformative field, the unprecedented challenges the world faces today demand new thinking, perspectives, tools and solutions. Training in biomimicry uniquely positions one for careers and opportunities that don't yet exist but which the world is demanding.

### **Contact Information:**

Global Futures, College of  
School of Complex Adaptive Systems  
<http://biomimicry.asu.edu/>  
CDS 126

Biomimicry@asu.edu  
480-727-0478

## Biomimicry (Certificate), Certificate (LABMYGRCT)

**Online Degree Search Title:** Biomimicry (Graduate Certificate)

**Campus:** Online

### Program Description:

The graduate certificate in biomimicry, the practice of emulating nature's strategies for human designs, is offered in conjunction with The Biomimicry Center <http://biomimicry.asu.edu> (<http://biomimicry.asu.edu>) in cooperation with Biomimicry 3.8, the internationally recognized leader in the field.

The program is designed to introduce and delve into the core fundamentals of biomimicry, such as Biomimicry Thinking and Life's Principles with the intention to apply the knowledge and tools to one's specific interests or discipline. It is best suited for individuals with an established career who wish to integrate biomimicry into that career. Participants have the opportunity to explore the application of these core fundamentals in their own discipline, field or area of interest during the biomimicry Virtual Design Lab as their culminating project.

Graduates have the ability to work toward innovative and sustainable solutions within their discipline, emulating nature's time-tested sustainable solutions evolved over the last 3.8 billion years.

### Degree Requirements:

15 credit hours.

Required Core (13 credit hours)

BMY 501 Essentials of Biomimicry (1)

BMY 502 Life's Principles (4)

BMY 503 Biology Taught Functionally (4)

BMY 504 Biomimicry Thinking (4)

Other Requirement (2 credit hours)

BMY 530 Virtual Design Lab Practicum (2)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program

Applicants must submit the following:

- graduate admissions application and application fee
- official transcripts
- fill out and upload questionnaire
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-biomimicry/>)

### Career Opportunities:

Completing a biomimicry certificate can help professionals bring about positive change. The unique knowledge and skills gained enhance a student's graduate degree or expand existing professional experience, increasing career prospects and helping professionals stand out in a sea of job applicants. The certificate can complement any career path, whether it's in business, technology, science, education or government. It helps one define a biomimicry specialty within a student's current discipline.



**Contact Information:**

Global Futures, College of  
School of Complex Adaptive Systems  
<http://biomimicry.asu.edu/>  
CDS 126  
Biomimicry@asu.edu  
480-727-0478

## Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)

**Online Degree Search Title:** Complex Adaptive Systems Science (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe

**Program Description:**

Complex adaptive systems science is the study of interactive and dynamic systems that change over time, producing their own emergent properties. The complex adaptive systems science graduate certificate can be pursued along with any doctoral degree program at Arizona State University. Students in the certificate program pursue their chosen field of study while addressing complex global challenges.

Complex adaptive system concepts and methods serve as bridges between disciplines, providing a common language that enable the interdisciplinary collaborations needed to come to grips with the intellectual and societal challenges of the 21st century. The program aims to train the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give science better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Students pursuing the certificate must have a complex adaptive systems science faculty member on their supervisory committee.

**Degree Requirements:**

15 credit hours.

Required Core (12 credit hours)

Electives (3 credit hours)

**Additional Curriculum Information**

Students should contact the academic unit about appropriate coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they are either enrolled in or accepted into an ASU doctoral degree program and they must be in good standing within the program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of intent
- letter of support from an ASU faculty member (for existing ASU students) or other faculty member (for incoming students)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:**

A complex systems approach to the program means graduates possess the ability to understand the interconnections within and between technological, economic, societal, biomedical and environmental systems and have developed cutting-edge digital skills like modeling and network science. This gives them an edge in diverse careers in science, technology and data analytics, especially compared with peers in their field of study who lack such expertise.

Graduates who hold this certificate can apply the skills learned to any field or profession, although advanced degrees or certifications may be required. Career area examples include:

- business intelligence analytics
- consulting
- corporate social responsibility
- corporate sustainability
- data and microsystem engineering
- data science
- education
- environmental systems
- military intelligence systems
- natural or health science management
- nongovernmental and nonprofit organizations
- policy making in government and regulatory agencies
- research and development

**Contact Information:**

Global Futures, College of  
School of Complex Adaptive Systems  
<https://scas.asu.edu/programs>  
ECA 101  
[complexity@asu.edu](mailto:complexity@asu.edu)  
480-727-9746

## Energy and Sustainability (certificate), Certificate (SUERGSGRCT)

**Online Degree Search Title:** Energy and Sustainability (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The global energy system is a complex socio-technical system. Leaders in sustainable energy require a transdisciplinary perspective that combines technical, economic, social and policy dimensions of energy systems. The certificate in energy and sustainability is designed to train students from diverse educational backgrounds to see beyond the boundaries of traditional methodologies and disciplinary viewpoints, enabling them to integrate technological knowledge with societal insights.

Graduates of the program have a basic understanding of sustainable energy technology and systems, including social dimensions such as markets and policies. They understand energy transitions as a dynamic socio-technical process, and they are able to perform analyses of energy generation, consumption and costs, and how these metrics can be utilized in policy discussions.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

SOS 572 Sustainable Energy Transitions (3)

SOS 574 Data Analytics for Sustainable Energy (3)

Electives (9 credit hours)

technical fundamentals of energy systems elective (3)

policy and governance of energy systems elective (3)

restricted elective (3)

Additional Curriculum Information

Students should contact the academic unit for the most recent approved elective coursework. Other coursework may be used with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

### **Career Opportunities:**

Future energy challenges will be addressed by leaders who understand the complexity and dynamics of global energy systems and can communicate with diverse stakeholders to implement adaptive solutions. Graduates with this certificate are competitive for employment opportunities in academia, industry or government.

Career examples include:

- policy analyst
- project manager
- regulatory affairs specialist
- renewable energy engineer
- strategy consultant

### **Contact Information:**

Global Futures, College of  
School of Sustainability  
<https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/>  
WGHL 108  
SOSGradSunDevil@asu.edu  
480-727-6963

## **Environmental and Sustainability Economics (Certificate), Certificate (SUESECGRCT)**

**Online Degree Search Title:** Environmental and Sustainability Economics (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe

### **Program Description:**

The graduate certificate program in environmental and sustainability economics provides training in the economic theory and quantitative modeling tools of environmental and resource economics. Environmental and resource economics provide an approach to evaluate the consequences, social benefits and costs of changes to markets and environmental policies.

Prospective students for this certificate include master's and doctoral students in fields with a sustainability, environmental science or policy focus, including sustainability, public affairs, biology, environmental social science, applied mathematics and agribusiness, where training in environmental and resource economics may be complementary to research interests or career development.

Graduates of the certificate program are able to identify and evaluate the economic assumptions embedded in policy analyses and recommendations, critically evaluate the validity of publications in environmental and resource economics, apply economic modeling approaches to real-world cases and utilize econometric techniques to generate predictions. They will also learn to test hypotheses using applied economic models.

### **Degree Requirements:**

17 credit hours.

Required Core (5 credit hours)  
SOS 512 Environmental and Resource Economics (3)  
SOS 529 Research Seminar in Environmental and Sustainability Economics (2)

Electives (12 credit hours)

#### Additional Curriculum Information

Students choose one elective course in each of the following categories: microeconomic theory, statistical and econometric modeling, environmental and resource economics, and modeling and empirical methods.

Students should see the academic unit for a list of approved electives.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Prerequisite coursework: None. However, it is strongly recommended that students have at least one semester of calculus or the equivalent such as MAT 251 Calculus for Life Sciences, MAT 265 Calculus for Engineers or SOS 211 Calculus and Probability.

#### Career Opportunities:

Professionals with expertise in environmental and resource economics are in demand across sectors and industries, including business, sustainability, government, biology and applied mathematics.

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for some positions.

- chief sustainability officer
- economist
- environmental economist
- environmental engineer
- environmental protection specialist
- environmental restoration planner
- health sciences manager
- postsecondary environmental sciences professor
- sustainability specialist
- urban planner

#### Contact Information:

Global Futures, College of

School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/environmental-and-sustainability-economics-certificate/>

WGHL 108

SOSGradSunDevil@asu.edu

480-727-6963

## Food Policy and Sustainability Leadership (certificate), Certificate (SUFPSLGRCT)

**Online Degree Search Title:** Food Policy and Sustainability Leadership (Graduate Certificate)

**Campus:** Tempe, Online

### Program Description:

The certificate program in food policy and sustainability leadership trains students in food policy, from understanding policymaking to developing specific, master-level skills that allow them to effectively navigate legislative, budgetary and administrative governmental processes. This empowers students to grapple with real-life food system complexities and become effective agents of change.

Students are exposed to contemporary food policy issues and are required to choose a food policy issue in which, with faculty assistance, they become an expert. Students participate in research projects and professional presentations that contribute to food policy knowledge among sustainable food system advocates.

This certificate program allows students to self-schedule work with the exception of weekly calls with their professor, and also requires students to spend a week meeting with food producers in Arizona and a week meeting with policymakers in Washington, D.C.

### Degree Requirements:

15 credit hours including the required capstone course (SFS 565).

Required Core (12 credit hours)

SFS 560 Tools and Tactics for Food Policy Change (3)

SFS 561 Food and Farm Immersion Experience (2)

SFS 562 Managing Natural Resources for Food Production (3)

SFS 563 Applied Food Policy Immersion Experience (2)

SFS 564 American Agriculture in the Global Context (2)

Culminating Experience (3 credit hours)

SFS 565 Organizational Leadership (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume
- personal statement
- two years professional experience in food and agriculture
- Interview (in-person or virtual)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

The personal statement should not exceed 1,500 words, and it should describe a food policy issue of interest to the applicant and why the applicant thinks that engaging in policy is important as it relates to this issue.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/sustainable-food/>)

**Career Opportunities:**

Graduates of this program can pair the certificate with a variety of graduate degrees to enhance their expertise and career prospects for work in government, public health organizations, food companies or educational institutions.

Career examples include:

- agricultural consultant
- education coordinator
- food policy analyst
- food resource manager
- lobbyist
- nonprofit advocate

**Contact Information:**

Global Futures, College of

School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/>

WGHL 108

SOSGradSunDevil@asu.edu

480-727-6963

## Global Development and Innovation (Certificate), Certificate (FIGDIGRCT)

**Online Degree Search Title:** Global Development and Innovation (Graduate Certificate)

**Campus:** Tempe, Online

**Program Description:**

The graduate certificate program in global development and innovation responds to the knowledge and skills gap that development practitioners around the world often struggle with. It provides current and critical perspectives as well as analytical and practical skills to address some of today's most pressing global challenges including inequality, sustainability and poverty.

Program graduates acquire an understanding of the main debates in global development and are able to engage in informed and critical ways with professionals from a range of development backgrounds to challenge development orthodoxies. Graduates learn how to approach development problems with creativity, confidence and the ability to work collaboratively on addressing some of today's most pressing global challenges, including inequality and sustainability.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

GTD 501 Global Technology and Development (3)

GTD 511 Development Policy and Practices (3)

Electives (9 credit hours)

Additional Curriculum Information

Students select nine credit hours from a restricted elective list. This list can change and increase over time as needed with unit director approval.

Students may select a maximum of three one-credit courses toward fulfillment of the total of nine credit hours. Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution or the equivalent from an international institution that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- personal statement
- resume
- official transcripts
- two letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Acceptable proof consists of a TOEFL score of at least 550 (PBT) or 80 (iBT), an IELTS overall band score of at least 6.5 with no band below 6.0, or a Pearson Test of English score of at least 60. The most current requirements are available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

International students who need an F1 or J1 visa first need to apply to and be accepted into a master's degree or doctoral degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/global-development-and-innovation-graduate-certificate/>)

#### Career Opportunities:

Graduates of this program may pair the certificate with other graduate degrees to pursue a variety of careers. Professionals with an understanding of the main debates in development are in high demand across a wide range of global development agencies including nongovernmental organizations, civil society, foundations, industries and philanthropic organizations.

Career examples include:

- data analyst
- development planner
- development program associate
- development field researcher
- gender specialist in nongovernmental organizations
- organizational consultant
- organizational development specialist
- poverty analyst
- social entrepreneur

#### Contact Information:

Global Futures, College of

School for the Future of Innovation in Society

<https://sfis.asu.edu/degree-programs/graduate-programs/certificates/global-development-innovation/welcome>

INTDSB 256

[sfisgrad@asu.edu](mailto:sfisgrad@asu.edu)

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## Global Sustainability Science, MS (SUGSUSMS)

**Online Degree Search Title:** Global Sustainability Science, MS

**Campus:** Tempe

#### Program Description:

The MS in global sustainability science is a two-year collaborative degree program offered jointly by Arizona State University and Leuphana University of Luneburg, Germany. Students who participate in the program earn a Master of Science in global sustainability science from ASU and a Master of Science in global sustainability science from Leuphana University.

Students from both universities collaborate throughout the program and spend one semester together at Leuphana in Luneburg as well as one semester together at ASU in Tempe, Arizona. The program culminates with a capstone project resulting in a publishable scientific journal article. Students have the opportunity to engage with sustainability problems and solutions in an international setting.

The program focuses on value-oriented and transformational aspects of sustainability, linking research with practical implementation of sustainability solutions. Project-based learning offers students opportunities to conduct their research on real-world sustainability solutions in collaboration with stakeholders and professionals. In addition, the program facilitates intercultural collaboration, which prepares graduates for working in internationally operating institutions and organizations.

**Degree Requirements:**

41 credit hours including the required capstone course (SOS 596).

Required Core (17 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 511 Advanced Sustainability Problem Solving (3)

SOS 525 Social-Ecological-Technical Systems (SETS): Domains and Interfaces (3)

SOS 557 Global Sustainability Research Preparation (1)

SOS 558 Global Sustainability Research Project (3)

SOS 559 Global Sustainability Science Perspectives Seminar (1)

SOS 581 Synthesis for Sustainability Research (3)

Methods Elective (3 credit hours)

Open Electives (15 credit hours)

Culminating Experience (6 credit hours)

SOS 596 Capstone: Scientific Paper (6)

Additional Curriculum Information

Students should see the academic unit for elective coursework approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants not meeting the minimum GPA requirement may still be considered, although the college will require a GPA petition

References should be from educators (this is preferred) or professionals familiar with the applicant's experience and capability for graduate work. It is highly recommended that the recommendations are academic in nature and address the applicant's experience and potential for success in a graduate program; however, professional recommendations also are accepted. If possible, at least one recommendation should be academic in nature.

All applicants must upload a statement of intent when completing the online application. In no more than 600 words, applicants must explain the goals they intend to achieve through their program of study at the College of Global Futures. Applicants should describe how their background will contribute to their success in the program and how completion of the degree program will support their long-term career goals. Finally, applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their program of study and identify potential faculty advisors

GRE scores are required but may be waived for students already enrolled at Leuphana University of Luneburg.

**Career Opportunities:**

Completing a master's degree in global sustainability science can help graduates apply sustainable solutions in a diverse workforce both domestic



and internationally. Graduates of the program often enter doctoral studies immediately after completing the program. Career opportunities include:

- entrepreneur
- field director
- program manager
- sustainability analyst

**Contact Information:**

Global Futures, College of  
School of Sustainability  
[https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/WGHL\\_108](https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/WGHL_108)  
sustainabilitygrad@asu.edu  
480-727-6963

## Global Technology and Development, MS (LSGTDMS)

**Online Degree Search Title:** Global Technology and Development, MS

**Campus:** Tempe, Online

**Program Description:**

The MS in global technology and development is a program in international development that examines social, economic and political development, and is concerned with the global disparity in wealth and access to resources between and among countries around the world.

Global in scope, the program highlights the variables of technology and innovation in these development dynamics with explicit goals to seek equity, justice and ease human suffering. The program offers an interdisciplinary social science curriculum and trains students with diverse undergraduate degrees, backgrounds and experiences.

Students have the opportunity to pursue a customized program to address social, economic and political problems anywhere in the world. Through a wide variety of theoretical, research, policy and special topics courses, students are prepared to finish the degree program with an applied project of their choosing that explores theoretical aspects of global development or applied solutions for impact.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Innovation in Society, BA
- Innovation in Society, BS
- Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (GTD 593).

Required Core (3 credit hours)

GTD 511 Development Policies and Practices (3)

Other Requirements (12 credit hours)

GTD 501 Global Technology and Development (3)

GTD 503 Technology and the International Political System (3)

GTD 505 Social Science Inquiry for Global Development (3)

GTD 506 Applied Project Methods in Global Development (3)

Restricted Electives (12 credit hours)

Culminating Experience (3 credit hours)

GTD 593 Applied Project (3)

Additional Curriculum Information

For the approved electives course list, students should contact the academic unit. Other requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited college or university recognized by ASU in a related field such as political science, international relations, sociology, anthropology, economics, business, education, technology, engineering, life sciences, foreign languages or literature (i.e., topics related to global development, culture or socioeconomic institutions).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- resume
- proof of English language proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. A TOEFL score is required. Applicants should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-global-technology-development/>)

**Career Opportunities:**

Graduates of the global technology and development program pursue impactful and rewarding careers in international development across all sectors, working for government agencies, non-governmental organizations, nonprofits, educational institutions, private businesses and corporations. Learning outcomes and skills include research, writing, analysis, and the ability to understand the complexity of diverse cultural, social and political contexts. These skills and abilities transfer to a myriad of career pathways, since they are in demand from organizations across industries.

Career examples include:

- analyst (research, project, technical, data)
- consultant (fundraising, marketing, information technology)
- coordinator (environmental, health, safety, operations)
- educator (instructional design, teacher, instructor)
- manager (product, project, security, business, program, information technology)

**Contact Information:**

Global Futures, College of  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/gtd>  
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sfisgrad@asu.edu  
480-965-6584

## Global Technology and Development (Applied International Development), MS (FIGTDAIDMS)

**Online Degree Search Title:** Global Technology and Development (Applied International Development), MS

**Campus:** Online

**Program Description:**

The MS in global technology and development with a concentration in applied international development is a program focused on policies and practices in the development field and includes specializations provided by other units across the university.

The program offers an interdisciplinary social science curriculum and trains students with diverse undergraduate degrees, backgrounds and experiences. Highly customizable, the program allows professionals, whether early in their careers or experienced, to develop and enhance skills in planning, management, analysis and evaluation in development practice.

Students select an area to specialize in, such as education, sustainability, health, business, management, public policy or community development, where they can directly apply their knowledge to a relevant sector. Learning outcomes emphasize the utilization of skills and experience that students already possess, and enhanced abilities in analysis, critical thinking and the application of knowledge to development-related challenges. Through a wide variety of research, policy and special topics courses, students are prepared to finish the degree program with an applied project of their choosing that explores a critical aspect of global development and an applied solution for impact.

**Degree Requirements:**

30 credit hours including an applied project (GTD 593).

Required Core (3 credit hours)

GTD 511 Development Policy and Practices (3)

Concentration (9 credit hours)

GTD 501 Global Technology and Development (3)

GTD 503 Technology and the International Political System (3)

GTD 504 Technology and Development in Zones of Conflict (3)

GTD 505 Social Science Inquiry for Global Development (3)

GTD 506 Applied Project Methods in Global Development (3)

GTD 508 Technology and Development in Latin America (3)

NLM 520 Financial and Resource Management (3)

NLM 530 Program Evaluation and Information Management (3)

Specialization Electives (15 credit hours)

Culminating Experience (3 credit hours)

GTD 593 Applied Project (3)

Additional Curriculum Information

Students select three courses from the concentration list for a total of nine credit hours.

Students may take elective courses in an area of interest from a variety of ASU Online academic programs such as business, management, education, community development and health. Students should see the academic unit for available specializations and approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in global development, education, business, health, management, community development or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- two letters of recommendation
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A personal statement of purpose of one to two pages is required for admission as well as two letters of recommendation, either academic or professional. While the GRE is not required, the statement of purpose is a significant factor in the application process, and it should address the background and capabilities of the applicant as well as the applicant's interest in the program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/global-technology-development-applied-international-development-ms/>)

**Career Opportunities:**

Graduates pursue impactful and rewarding careers in international development across all sectors, working for government agencies, non-governmental organizations nonprofits, educational institutions, private businesses and corporations. Students learn skills that include research, writing, analysis, and the ability to understand the complexity of diverse cultural, social and political contexts. These skills and abilities transfer to a myriad of career pathways, since they are in demand from organizations across industries.

Career examples include:

- analyst (research, project, technical, data)
- consultant (fundraising, marketing, information technology)
- coordinator (environmental, health, safety, operations)
- educator (instructional design, teacher, instructor)
- manager (product, project, security, business, program, information technology)

**Contact Information:**

Global Futures, College of

School for the Future of Innovation in Society

<https://sfis.asu.edu/degree-programs/graduate-programs/masters-programs/global-technology-development-applied>

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[sfisgrad@asu.edu](mailto:sfisgrad@asu.edu)

480-965-6584

## Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)

**Online Degree Search Title:** Human and Social Dimensions of Science and Technology, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in human and social dimensions of science and technology is an intellectually rigorous program with problem-oriented research. It prepares students to teach and conduct research using humanistic and social science methods on the social, historical, philosophical and policy foundations of science and technology as well as on their current and future interactions with society.

The curriculum responds to growing demand for transdisciplinary research in the humanities, information sciences and social sciences that can provide insights into the dynamic relationship between science, technology and society.

The program is flexible, combining a strong, integrated, first-year experience with substantial freedom for students who, in conjunction with their advisors, design carefully crafted plans of study relevant to their own areas of specialization and expertise. Unique among programs of this kind in the nation, students also learn to communicate and work with scientists, engineers, policymakers, business and community officials, or the public in conducting and applying research.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (8 credit hours)

HSD 601 HSD I: Human Dimensions of Science and Technology (4)

HSD 602 HSD II: Science, Power and Politics (4)

Culminating Experience (12 credit hours)

HSD 799 Dissertation (12)

Additional Curriculum Information

This is a research degree, culminating in a dissertation, which must draw on multiple disciplinary perspectives.

Students may apply up to 30 credit hours from a prior master's degree toward the total hour requirement, upon approval of the steering committee. Each student, with his or her supervisory committee, develops a unique plan of study, which the student's supervisory committee approves.

Each student completes a yearlong core seminar, a second-year research project, two major fields, one minor field, methods training, electives and research. Students also regularly attend the program colloquia. There are no foreign language or statistics requirements, except as needed for a particular student's selected dissertation project.

Comprehensive Examination

The written dissertation prospectus and its oral defense constitute the written and oral comprehensive examinations required by the Graduate

College for advancement to candidacy. Each student develops a written dissertation prospectus, including a bibliography and discussion of relevant research skills. The student makes an oral defense of the dissertation prospectus to his or her supervisory committee, which must approve the prospectus. Students normally complete the dissertation prospectus and its defense in the fifth semester.

#### Dissertation

The dissertation represents an original body of research that contributes to existing knowledge in a significant way.

#### Final Examination

Upon completing the dissertation, the student makes an oral defense of the dissertation to the supervisory committee, which must approve the dissertation. The doctorate is granted upon successful completion of the oral defense and any revisions to the dissertation required by committee members.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- HSD academic record form
- a curriculum vitae or resume
- a personal statement
- a writing sample
- general GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. In order to meet English proficiency students must have an IELTS overall band score of at least 6.5 with no band below 6.0, or Pearson Test of English score of at least 60, or a TOEFL score of at least 550 (PBT) or 80 (iBT). ASU's institutional code is 4007. ASU only accepts electronic copies of the TOEFL score report.

Preference is given to students with demonstrated interest and competence in relevant areas of intellectual work.

The personal statement should be one or two single-spaced pages. It must be a statement of proposed research that clearly explains why the student feels ASU is the appropriate place to pursue their doctorate, identifies one or more faculty members whose interests or work are relevant to the student's proposed research, and describes the goals for pursuing the degree.

The writing sample should be a 10- to 25-page sample of academic writing, such as a course paper, an undergraduate thesis, or an excerpt from a master's thesis.

Students should see the program website for application deadlines.

#### **Career Opportunities:**

Professionals with expertise in the human and societal dimensions of science, technology and innovation are in high demand across many sectors. Most graduates have careers in academia, but a number also work in nonprofits, think tanks and government. Skills in foresight, technology assessment, implications and values of innovation, and science policy are critical for guiding businesses, institutions, governments and societies in considering and shaping the role of science, technology and innovation in their futures.

Career examples include:

- director of operations
- energy social scientist
- executive director
- information security manager
- professor
- research and development associate

- research strategist

**Contact Information:**

Global Futures, College of  
School for the Future of Innovation in Society  
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sfisgrad@asu.edu  
480-727-9498

## Innovation in Global Development, PHD (FIIGDPHD)

**Online Degree Search Title:** Innovation in Global Development, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in innovation in global development emphasizes critical and diverse perspectives on global development and innovative policies and practices that challenge the status quo. This research-based program is both rigorous and flexible, designed to meet the needs of a diverse set of students committed to a vision of development that values context, inclusivity and equity and is socially, culturally and ecologically sensitive.

Students emerge from this program equipped with the comprehensive research capabilities, critical thinking skills, leadership skills and global perspectives necessary to navigate complex development challenges in a way that reduces inequalities and builds a more sustainable and inclusive future.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (17 credit hours)

GTD 505 Social Science Inquiry for Global Development (3)

IGD 601 Re-Thinking Global Development (4)

IGD 602 Innovation for Inclusive Development (4)

IGD 603 Methods for Research in Global Development (4)

IGD 604 Colloquium in Innovation in Global Development (2)

Electives or Research (55 credit hours)

Culminating Experience (12 credit hours)

IGD 799 Dissertation (12)

Additional Curriculum Information

Students are required to take IGD 604 once for two credits as a core course requirement. They may take it one additional time for two more credits that can be used towards electives.

Elective courses are chosen based on the students' area of interest and approval from their committee. Other electives may be used with approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is made up of electives and research.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in anthropology, natural resource management, agriculture development, political science, development studies, economics, development management, rural development, technology and development, sociology, science and technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- letter of intent or written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### Career Opportunities:

The new generation of development scholars are competent in dealing with global development challenges with foresight and imagination that promote well-being and an equitable future for all. Professionals with expertise in global development are in high demand across a wide range of development agencies such as the World Bank, United Nation Agencies, Asian Development Bank, African Development Bank, United States Agency for International Development and nongovernmental organizations.

Scholars with training in theories, concepts and debates in the field of global development are also in high demand by research institutions, think tanks, universities, development studies centers, multinational companies, foundations and governments.

Career examples include:

- development researcher
- global development consultant
- global development specialist
- government official
- leader in civil society organizations
- organization official
- poverty alleviation advocate
- professor
- program officer

#### Contact Information:

Global Futures, College of

School for the Future of Innovation in Society

<https://sfis.asu.edu/degree-programs/graduate-programs/phd/innovation-global-development-igd/welcome>

INTDSB 256

[sfisgrad@asu.edu](mailto:sfisgrad@asu.edu)

480-965-6584

## Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)

**Online Degree Search Title:** Nonfiction Writing and Publishing (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

#### Program Description:

The graduate certificate program in nonfiction writing and publishing teaches students the art of telling true stories. The program is based on the belief that the work done within the university is most impactful when it can be shared --- in a clear and compelling way --- with audiences beyond chosen fields of research.

In this interdisciplinary certificate program, graduate students read, study and write narrative nonfiction, from literary journalism to op-eds and from explanatory essays to memoirs. Students learn how to analyze the craft and stylistic decisions of professional and literary nonfiction writers and utilize these skills in their own writing.

This program's award-winning faculty teach scholars and students to produce vivid writing that connects with a larger public as well as the most effective ways to get their writing out into the world, be it through blogs, online or print publications, trade books, or film and television.

The certificate program is open to graduate students with a variety of backgrounds, including the humanities, science, engineering and health, who want to write eloquently, persuasively and memorably about their research or professional experiences.

#### Degree Requirements:

15 credit hours.

Required Core (6 credit hours)

HSD/HPS/HST 520 Masters of Nonfiction (3)  
HSD 521 Writing True Stories that Matter (3)

Electives (9 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants who attended school outside of the U.S. must hold a bachelor's degree, graduate degree or equivalent from an institution that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants are encouraged to enroll in a graduate degree program in conjunction with this certificate but are not required to do so.

**Career Opportunities:**

According to Forbes, storytelling is the most important skill in today's job market. With so many sources of information in the world, it is people who write compelling stories who are best heard. The graduate certificate program in nonfiction writing and publishing teaches students the art of telling true stories, a skill that makes them more attractive to employers both in academia and the private sector.

Expertise in writing and storytelling are in demand in business, media, entertainment, politics and community organizations. Strong writers and vivid storytellers are particularly valuable to businesses and institutions relying on narrative-based strategies to engage and grow audiences online. Graduates of the program may pair the certificate with other degrees to create stronger career opportunities.

Career examples include:

- communications specialist
- content strategist
- editor
- public relations manager or specialist
- screenwriter
- social media manager
- video game designer

**Contact Information:**

Global Futures, College of  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/degree-programs/graduate-certificates/nonfiction-writing-publishing>  
INTDSB 256  
sfisgrad@asu.edu  
480-727-9498

**Public Interest Technology, MS (FIPITCHMS)**

**Online Degree Search Title:** Public Interest Technology, MS

**Campus:** Online



**Program Description:**

The MS program in public interest technology asks a fundamental question: How can technology be used for good? When studying the public interest, it is vital to understand how new technologies pose new challenges and opportunities to society.

Students in this program acquire the ability to work in cross-disciplinary teams and gain a fluency that permeates technology and society issues and solutions. Graduates are able to think analytically, design new systems and processes, and gain exposure to emerging technologies that can make a difference in how government agencies, nongovernment organizations, nonprofits and private companies emphasize social impact. People working in this space ask communities what their needs are first, using a co-design approach to innovation with cultural awareness and values in mind.

Public interest technology expertise is relevant to all entities who seek to embed the goals of technology assessment, social justice, sustainability and environmental justice in their products and processes.

**Degree Requirements:**

30 credit hours including an applied project (PIT 593).

Required Core (12 credit hours)

PIT 501 Principles of Public Interest Technology (3)

PIT 502 Co-designing the Future (3)

PIT 503 Technology Impact Assessments (3)

PIT 504 Public Engagement Strategies (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)

PIT 593 Applied Project (3)

Additional Curriculum Information

Students should see the academic unit for the current elective course list. The elective list may change over time as new courses become available. Students must meet any prerequisites for the course in order to register for it or receive permission from the Master of Science in public interest technology degree program chair and the instructor of the course.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, public administration, engineering, business or marketing or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/public-interest-technology-masters/>)

**Career Opportunities:**

Graduates of this program will be known as public interest technologists, an emerging domain of expertise. Generally, those completing the degree fall under the roles of analyst, advisor, assessor, coordinator, policymaker, consultant and manager.

Career areas for graduates include telecommunications, information technology, government, education, energy, transport, health care,

international global development agencies, standards bodies, accountability, oversight, responsibility organizations and ombudsperson service offerings. Graduates can have options to enact change within their workplace using their newly acquired skills and are able to develop ideas for new for-profit and nonprofit startups that are user-centric, collective and community-driven.

Career examples include:

- advisor (solutions, technology impact)
- analyst (policy, data privacy, systems)
- assessor (public interest technology, public health)
- consultant (content strategist, business, safety, user experience)
- coordinator (advocacy, standards)
- manager (data governance, cybersecurity, data privacy, environmental affairs)
- policymaker (human rights, emerging technology)

**Contact Information:**

Global Futures, College of  
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480-727-8787

## Responsible Innovation in Science, Engineering and Society (certificate), Certificate (GCRSESGRCT)

**Online Degree Search Title:** Responsible Innovation in Science, Engineering and Society (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The certificate program in responsible innovation in science, engineering and society is designed for scientists, engineers, research managers, technology officers, public administrators and policy officials who seek to advance science and technology to improve societal outcomes and to develop creative solutions to the fundamental global challenges of the 21st century.

The program provides knowledge, skills and methods for analyzing innovation and technological systems; knowledge and uncertainty in decision-making; the regulation and governance of science and technology; the uptake of science and technology in complex societal settings; and interactions between science, technology and the public.

The certificate may be pursued by professionals in industry or government or by students pursuing other Arizona State University graduate degree programs.

**Degree Requirements:**

15 credit hours including the required capstone course (HSD 580).

Required Core (3 credit hours)

HSD 540 Responsible Innovation and Research (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)

HSD 580 Practicum (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- resume
- personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Acceptable proof of English proficiency is an IELTS overall band score of at least 6.5 with no band below 6.0 (no institutional code needed); or a Pearson Test of English score of at least 60; or a TOEFL score of at least 550 (PBT) or 80 (iBT). Students should note that the ASU institutional code for the TOEFL is 4007. Also, students should note that ASU only accepts electronic copies of the TOEFL score report.

International students who need an F1 or J1 visa first need to apply to and be accepted into a master's or doctoral program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants should see the program website for application deadlines.

#### Career Opportunities:

Recent graduates of this program have paired the certificate with technical graduate degrees to make themselves competitive for science policy jobs in the public sector. State legislatures, courts and agencies seek employees with a technical perspective and the ability to understand and analyze their social, political, environmental and economic aspects.

Career examples include:

- analyst
- environmental assessor
- federal agency staff
- government liaison
- law clerk
- legislative staff

#### Contact Information:

Global Futures, College of

School for the Future of Innovation in Society

<https://sfis.asu.edu/degree/responsible-innovation-science-engineering-society-graduate-certificate>

INTDSB 256

sfisgrad@asu.edu

480-965-9432

## Science and Technology Policy, MSTP (LAHSDPSM)

**Online Degree Search Title:** Science and Technology Policy, MSTP

**Campus:** Tempe

#### Program Description:

The MSTP program uniquely prepares its graduates to have an impact in today's science and technology decision-making. It is designed to train future leaders, policymakers, and analysts in tackling diverse and complex policy issues ranging from climate change to artificial intelligence in ways that are socially responsible and that contribute to a more just and vibrant future.

This one-year, cohort-based program is designed to attract students of the highest caliber. The program also may be completed over an extended period or on a part-time basis. It is suited to anyone interested in a career in which they work to ensure, through responsive and effective policy development and implementation, that science and technology serve society. Students come from a wide range of backgrounds and go on to develop successful careers in government, business, academic institutions and nongovernmental organizations.

The program provides students with knowledge and tools to analyze and answer complex questions around science and technology policy issues, including:

- How are science and technology influenced by the policy process?
- What is the rightful place of scientific expertise in public policymaking?
- What values and assumptions underlie our current understanding of science and technology?

- Who should make decisions about science and technology policy? Only experts? Or should lay people also have a voice?
- How should policymakers deal with the risks and uncertainties that come from new science and technology (e.g., biotechnology, nanotechnology, geoengineering, information technology)?
- How can policymakers balance concerns about science and technology, while maintaining innovation and international competitiveness?

Students work on topics as varied as responsible innovation, technological convergence, social and environmental sustainability, health and well-being, energy, equity, security, data privacy, infrastructure, democracy, STEM education, the role of science, and space exploration and policy. They are able to describe the historical, social and institutional foundations of science and technology policy; discuss the complexities of science and technology policy decisions, decision-making under uncertainty and the role of experts; employ effective policy communications skills and techniques; and work collaboratively and effectively with experts from different backgrounds, including scientists, engineers and elected officials.

Graduates are able to apply critical skills and methods to science and technology policy analysis, apply cutting-edge approaches to ensuring socially responsive and responsible technology innovation, and contribute to developing and implementing creative solutions to many of today's most complex challenges.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- African and African American Studies, BA
- Innovation in Society, BA
- Innovation in Society, BS
- Justice Studies, BA
- Justice Studies, BS
- Women and Gender Studies, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours including the required applied project course (HSD 593).

Required Core (6 credit hours)

HSD 501 Science and Technology Policy (3)

HSD 502 Advanced Science and Technology Policy (3)

Electives (9 credit hours)

Restricted Electives (9 credit hours)

Other Requirements (3 credit hours)

HSD 591 Topic: MSTP Professional Development Seminar Series (3)

Culminating Experience (3 credit hours)

HSD 593 Applied Project (3)

Additional Curriculum Information

Restricted electives are from a list provided by the program chair.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing. Students are strongly encouraged to have prior relevant education, training or experience in science and technology policy; management of science, technology or innovation; or science, technology and society.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- resume

- personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students should see the program website for application deadlines.

#### Career Opportunities:

Science and technology policy professionals are in high demand across sectors and industries, including business, think tanks, nongovernmental organizations, international organizations, as well as local, state and federal government. Skills in policy analysis and the policymaking process are valuable to businesses and institutions that deal with science and technology policy issues.

Some career examples include:

- editor of a science and technology-focused magazine or journal
- environmental protection specialist
- government program administrator
- information technology specialist in the federal government and private sector
- intelligence analyst on science and technology threats
- official at U.S. Patent and Trademark Office
- regulatory policy analyst
- science and technology research analyst, program or policy analyst, or legislative analyst
- science, technology or health care policy advisor
- smart cities program manager

#### Contact Information:

Global Futures, College of  
 School for the Future of Innovation in Society  
<https://sfis.asu.edu/degree/master-science-technology-policy>  
 INTDSB 256  
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 480-727-9498

## Sustainability, MA (SUSUSTMA)

**Online Degree Search Title:** Sustainability, MA

**Campus:** Tempe

#### Program Description:

The MA in sustainability is a research-oriented degree program that culminates with research writing: either a thesis or publishable scientific paper.

The program focuses on knowledge generation and investigating potential solutions to sustainability challenges and prepares students to design and conduct transdisciplinary research. Although the graduate degree programs emphasize the integration of a broad range of expertise, this program is best-suited to students inclined toward social sciences, humanities, planning or related fields and who are interested in a career in research or academia.

Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop academic and technical skills as well as ethical insights that can help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels.

All program graduates understand the need for a transdisciplinary approach to solving sustainability challenges, are able to communicate their work to professionals in other disciplines and to policymakers and the general public, and have the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems. They have the critical thinking skills necessary for approaching sustainability challenges from a systems perspective, the ability to work effectively in interdisciplinary teams, and the technical skills required to formulate and solve problems at the appropriate scale.

#### Degree Requirements:

35 credit hours and a thesis, or 35 credit hours including the required capstone course (SOS 596).

Required Core (14 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 520 Research Design and Methods for Sustainability (3)  
SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces (3)  
SOS 581 Synthesis for Sustainability Research (3)  
SOS 589 Community of Graduate Student Scholars (2)

Electives (15 credit hours)  
methods (3)  
normative dimensions of sustainability (3)  
general electives (9)

Culminating Experience (6 credit hours)  
SOS 596 Capstone: Scientific Paper (6) or  
SOS 599 Thesis (6)

#### Additional Curriculum Information

The taught-course element of the program is evaluated through course-specific examinations, research papers or applied projects and is considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. Graduate College policies and procedures for fulfillment of degree requirements must also be met.

SOS 589 is a one credit hour course students take twice, for two credit hours total.

Approved general electives prefixes include, but are not limited to, the following:

SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM, URB

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program and describe how completion of the degree will support long-term career goals. The statement should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

#### Career Opportunities:

Professionals with expertise in sustainability frameworks, interdisciplinary research and strong research skills are in high demand across industries, including business, academia and government. Skills in critical thinking, teamwork, sustainability problem solving and research are valuable to businesses and institutions burdened by sustainability problems.

From the School of Sustainability's 2020 alumni employment survey, 100% of master's degree-level sustainability graduates are either employed or have gone on to a graduate program. Of those employed, 82% of respondents have jobs directly related to sustainability.

Career examples include:

- chief sustainability officer
- conservation program lead
- disaster relief manager
- environmental restoration planner
- program director or manager
- research associate
- sustainability communications specialist
- sustainability instructor or teacher
- sustainability specialist
- zero waste consultant

**Contact Information:**

Global Futures, College of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-arts/>

WGHL 108

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480-727-6963

## Sustainability, MS (SUSUSTMS)

**Online Degree Search Title:** Sustainability, MS

**Campus:** Tempe

**Program Description:**

The MS program in sustainability is a research-oriented degree program that culminates with research writing, either a thesis or capstone in the form of a publishable scientific paper.

The program focuses on knowledge generation and investigating potential solutions to sustainability challenges and prepares students for designing and conducting transdisciplinary research. This master's degree program is best-suited to students inclined toward natural sciences, economics, engineering or related quantitative fields, and who are interested in a career in research or academia.

Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop the academic and technical skills as well as the ethical insights that help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels.

All sustainability graduate students understand the need for a transdisciplinary approach to solving sustainability challenges, can communicate their work to professionals in other disciplines and to policymakers and the general public, and have the breadth of vision to incorporate the interconnectedness of social, economic, environmental and technical systems into their research. They have the critical thinking skills necessary for approaching sustainability challenges from a systems perspective; the skills needed to work effectively in interdisciplinary teams, and the technical skills required to formulate and solve problems at the appropriate scale.

**Degree Requirements:**

35 credit hours and a thesis, or 35 credit hours including the required capstone course (SOS 596).

Required Core (14 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 520 Research Design and Methods for Sustainability (3)

SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces (3)

SOS 581 Synthesis for Sustainability Research (3)

SOS 589 Community of Graduate Student Scholars (2)

Electives (15 credit hours)

methods (3)

normative dimensions of sustainability (3)

general electives (9)

Culminating Experience (6 credit hours)

SOS 596 Capstone: Scientific Paper (6) or

SOS 599 Thesis (6)

Additional Curriculum Information

SOS 589 is taken twice for two credit hours total.

The taught-course element of the program is evaluated through course-specific examinations, research papers or applied projects and is considered to have been successfully completed if the student obtains a GPA of 3.25 (scale is 4.00 = "A") or higher. Graduate College policies and procedures for fulfillment of degree requirements also must be met.

Approved general electives prefixes include, but are not limited to, the following: SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM, and URB.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program, and describe how completion of the degree will support long-term career goals. The statement should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

#### **Career Opportunities:**

Professionals with expertise in sustainability frameworks, interdisciplinary research and strong research skills are in high demand across industries, including business, academia and government. Skills in critical thinking, teamwork, sustainability problem solving and research are valuable to businesses and institutions burdened by wicked sustainability problems.

From the School of Sustainability's 2020 alumni employment survey, 100% of master's degree-level sustainability graduates are either employed or have gone on to a graduate program. Of those employed, 82% of respondents have jobs directly related to sustainability.

Career examples include:

- chief sustainability officer
- economist
- energy analyst
- environmental economist
- environmental restoration planner
- industrial ecologist
- natural science manager
- operations consultant
- research associate
- sustainability specialist
- transportation planner
- urban planner
- zero waste consultant



**Contact Information:**

Global Futures, College of

School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-science/>

WGHL 108

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## Sustainability, PHD (SUSUSTPHD)

**Online Degree Search Title:** Sustainability, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in sustainability prepares students to become scientists and leaders in research and to investigate the urgent sustainability challenges of this century. The flexible, transdisciplinary nature of the program allows students to focus on problems of interest to them, drawing upon relevant knowledge from sustainability science and a variety of disciplines. This full-time program includes a high degree of faculty interaction and collaboration.

Graduates possess an advanced understanding of the dynamics of coupled social-ecological systems and use this knowledge to conduct original research to inform robust solutions to specific sustainability challenges. All sustainability doctoral students gain a better understanding of the need for a transdisciplinary approach to solving sustainability challenges as well as the ability to communicate their research effectively to academic and non-academic audiences alike.

In addition to the common learning outcomes, students are able to conduct research on particular sustainability challenges using theoretical lenses and methods from sustainability science and a range of complementary disciplines. Students learn to translate sustainability challenges to tractable research questions, develop a portfolio of quantitative and qualitative research methods to address these research questions, formulate and test hypotheses, utilize rigorous elicitation methods to gather qualitative and quantitative datasets, learn to engage with stakeholders to co-produce knowledge, use statistical and other analytic techniques to analyze data, and build and apply models of social-ecological systems. They develop expertise in the analysis of institutional policies and regulations and the design of the built environment and technologies to support sustainable development. They also develop the foundational knowledge of concepts and methods required to conduct interdisciplinary research and effectively communicate their findings across academic disciplines as well as to policymakers and the general public. Upon graduation they are equipped to lead others in the development of sustainable strategies at the local, national and global levels.

**Degree Requirements:**

86 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (8 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 520 Research Design and Methods for Sustainability (3)

SOS 589 Community of Graduate Student Scholars (2)

Solutions Workshop Electives (6 credit hours)

Open Electives (48 credit hours)

Research (12 credit hours)

SOS 792 Research (12)

Culminating Experience (12 credit hours)

SOS 799 Dissertation (12)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit. Only six credit hours of 400-level coursework can be included in the plan of study.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is to be made up of appropriate electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. The school encourages applicants with diverse educational backgrounds and experiences that are relevant to the school's core objectives.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program; describe how completion of the degree will support long-term career goals; elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study; and, identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

#### **Career Opportunities:**

Professionals with expertise in sustainability frameworks and interdisciplinary research are in high demand across industries, including business, academia, and government. Skills in critical thinking, teamwork, sustainability problem solving and research are valuable to businesses and institutions, many of which are in need of expertise to solve critical sustainability problems and introduce sustainability principles into their business models.

From the School of Sustainability's 2020 alumni employment survey, 100% of doctorate respondents are employed. Of those employed, 90% have jobs directly related to sustainability. Students can learn more about careers in sustainability and where graduates of sustainability doctoral programs are now employed by visiting <https://schoolofsustainability.asu.edu/careers/careers-in-sustainability> (<https://schoolofsustainability.asu.edu/careers/careers-in-sustainability>).

Career examples include:

- chief sustainability officer
- data analyst
- director of program development
- environmental scientist
- professor
- program manager or coordinator
- research scientist
- sustainability consultant
- sustainability policy advisor
- sustainability specialist
- sustainable operations specialist
- water resources specialist

#### **Contact Information:**

Global Futures, College of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/doctor-philosophy/>

WGHL 108

[sustainabilitygrad@asu.edu](mailto:sustainabilitygrad@asu.edu)

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## **Sustainability (Certificate), Certificate (SUSUSGRCT)**

**Online Degree Search Title:** Sustainability (Graduate Certificate)

Academic Catalog Archive 2021-2022

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West, Online

**Program Description:**

The development of sustainable solutions depends on interdisciplinary collaboration. The graduate certificate program in sustainability provides the foundational knowledge required to integrate sustainable thinking into any academic or professional field.

The skills developed in this program, like systems thinking and solutions-based problem solving, are essential to addressing sustainability challenges across disciplines. Students in the program learn to communicate and collaborate with faculty and peers from varied backgrounds, preparing them to lead teams in the future.

Courses introduce students to the foundations of sustainability through a disciplinary overview and problem-solving methodology. With electives, students can explore specific areas that are of greatest interest to them. Subjects include policy, international development, clean air and water, sustainable food systems, corporate social responsibility, waste reduction, human rights, climate transformation and clean energy.

This program is designed to be taken independently or as a supplement to another graduate degree program.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

SOS 508 Pathways to Sustainability (3)

SOS 509 Leading Sustainability Transitions (3)

Electives (9 credit hours)

Additional Curriculum Information

Students select six credit hours of sustainability focused electives from EMS, SFS and SOS course prefixes. Other coursework may be used with approval of the sustainability graduate committee. In addition, students take three credit hours of other elective coursework related to sustainability.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-sustainability-certificate/>)

**Career Opportunities:**

This certificate program may be relevant to individuals in a variety of industries.

Graduates of this program can pair the certificate with a range of graduate degrees to enhance their expertise and career prospects related to sustainability. Because many organizations seek to implement greener initiatives, knowledge of sustainability may be valuable across many areas, including business, engineering, government, nonprofit and education sectors. Students can use their skills to bring sustainable initiatives to organizations.

Career examples include the following. Additional advanced degrees or certifications may be required for some.

- chief sustainability officer

- civil engineer
- economist
- energy engineer
- environmental economist
- environmental restoration planner
- industrial ecologist
- project coordinator
- sustainability specialist
- urban planner
- water resource specialist

**Contact Information:**

Global Futures, College of  
 School of Sustainability  
<https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/>  
 WGHL 108  
 SOSGradSunDevil@asu.edu  
 480-727-6963

## Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD)

**Online Degree Search Title:** Sustainability (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

**Program Description:**

Complex adaptive systems science is the study of interactive and dynamic systems that change over time. The complex adaptive systems science concentration program under the PhD in sustainability trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems science perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

By broadly embedding an understanding of complex adaptive system-relevant approaches into the practice of normal science, students gain the ability to transform science. The program promotes the development and testing of more robust theories and sophisticated methods in a wider array of research settings. This is needed in order to develop a deeper understanding of the nature and dynamics of complex adaptive systems, grounded in concrete examples and applications.

The doctoral program in sustainability with a concentration in complex adaptive systems science is offered for students who have completed a bachelor's or master's degree program. The program prepares students to become scientists and leaders in research and to investigate the urgent sustainability challenges of this century.

Graduates possess an understanding of the need for a transdisciplinary approach to solving sustainability challenges; the ability to communicate their work to professionals in other disciplines, to policymakers and to the general public; and the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems. Their critical thinking skills enable them to approach sustainability challenges from a systems perspective; they also have the skills needed to work effectively in interdisciplinary teams and the technical skills to formulate and solve problems at the appropriate scale.

In addition to the common learning outcomes, graduates are able to conduct research on particular sustainability challenges using standard skills, including the capacity to identify problems; to formulate and test hypotheses; to use statistical, econometric and geographical information system techniques to construct and analyze datasets; and to build and apply models. They are prepared to lead others in the analysis and design of the built environment and institutions' policies, regulations and technologies to support sustainable development and lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global levels. Graduates understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial and temporal scales.

**Degree Requirements:**

86 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (8 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 520 Research Design and Methods for Sustainability (3)

SOS 589 Community of Graduate Student Scholars (2)

Solutions Workshop Electives (6 credit hours)

Open Electives (36 credit hours)

Concentration (12 credit hours)

CASS fundamentals (3)

mathematics of CASS (3)

modeling CASS (3)

application of CASS approaches (3)

Research (12 credit hours)

SOS 792 Research (12)

Culminating Experience (12 credit hours)

SOS 799 Dissertation (12)

Additional Curriculum Information

For open electives and concentration coursework, students should see the academic unit for the approved course list. Students should note that only six credit hours of 400-level coursework can be included on the plan of study.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the remaining coursework is made up of appropriate electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. The school encourages applicants with diverse educational backgrounds and experiences that are relevant to the school's core objectives.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program, describe how completion of the degree will support the applicant's long-term career goals and explain why the applicant is applying to the College of Global Futures and, more specifically, the doctoral program with a complex adaptive systems science concentration. The statement of intent should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

#### **Career Opportunities:**

Professionals with expertise in complex adaptive systems science are in high demand across sectors and industries, including business, government and academia. Experts in complexity, who can serve as a bridge between disciplines and scholars, are essential to solving a variety of sustainability challenges.

From the School of Sustainability's 2020 alumni employment survey, 100% of PhD respondents are employed. Of those employed, 90% have jobs directly related to sustainability.

Career examples include:

- chief sustainability officer
- energy engineer
- environmental economist
- environmental restoration planner
- environmental sciences professor
- industrial ecology
- natural science manager
- professor
- research scientist
- sustainability specialist
- urban planner

**Contact Information:**

Global Futures, College of

School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/complex-adaptive-systems-science-concentration-phd-sustainability/>

WGHL 108

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## Sustainability Leadership, EMSL (SUEMSLEMSL)

**Online Degree Search Title:** Sustainability Leadership - Executive, EMSL

**Campus:** Online

**Program Description:**

A sustainable future requires leaders who are able to integrate sustainability into existing institutions and new enterprises. A particular knowledge base and skill set is required to drive this kind of transformational change. Professionals with tools and skills learned in sustainability leadership, as opposed to other degree programs, are in a prime position to establish sustainability practices in any type of organization.

The EMSL program prepares professionals to advance social, economic and environmental responsibility. It equips graduates to drive high-impact sustainability results in organizations and communities. The program is designed to be completed in 12 continuous months and is designed and delivered by people who have worked in and with companies making sustainability transitions and continue to be on the cutting edge of global sustainability leadership.

The curriculum includes coursework in the following synergistic thematic areas:

- communications and change management
- global context of sustainability
- leadership for sustainability
- sustainability and strategy

The program also includes opportunities for students to include elective coursework that is related to their specific area of interest. In addition to the coursework, students also have monthly individual coaching sessions with program faculty to help with career planning and professional development.

**Degree Requirements:**

30 credit hours including the required capstone courses (EMS 508 and EMS 516).

Required Core (18 credit hours)

EMS 522 Mastering the Global Sustainability Context (3)

EMS 523 Strategic Sustainability and Leadership (3)

EMS 524 Sustainability Storytelling and Communications (3)

EMS 525 Essentials for Transformative Leadership in Sustainability (3)

SOS 508 Pathways to Sustainability (3)

SOS 509 Leading Sustainability Transitions (3)

Electives (6 credit hours)

Culminating Experience (6 credit hours)

EMS 508 Immersive Experience in Sustainability Leadership (3)  
EMS 516 Capstone Course for EMSL Students (3)

#### Additional Curriculum Information

Students are encouraged to attend one in-person session in Washington, D.C. (EMS 508). Students who cannot attend should contact the college for an alternative option.

Elective courses must be at the 500 level or above.

#### Admission Requirements:

Applicants must fulfill the requirements for both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- two letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants to the program should be interested in and passionate about advancing sustainability in their organizations, either directly or indirectly. Successful candidates are expected to draw from and apply solutions to actual professional challenges and opportunities.

Because this is an executive master's degree for experienced professionals, work and life experience may be taken into account in lieu of deficiencies from past bachelor's degree program experience. Applicants with GPAs lower than 3.00 (scale is 4.00 = "A") may be admitted on a provisional status. Applicants should contact the program for more details if their GPA falls below the 3.00 requirement.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/executive-sustainability-leadership/>)

#### Career Opportunities:

Graduates of this program advance their leadership skills with practical, actionable tools and can accelerate sustainability throughout their organizations. An Executive Master of Sustainability Leadership degree enhances career opportunities in a variety of sectors, whether business, technology, science, education or government. From the School of Sustainability's 2020 alumni employment survey, a majority of program graduates employed have jobs directly related to sustainability.

Typical careers include:

- business organization manager
- chief executive officer
- chief sustainability officer
- consultant
- director of strategic initiatives
- sustainability analyst
- sustainability coordinator
- sustainability director
- sustainability manager
- training manager

#### Contact Information:

Global Futures, College of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/executive-master-sustainability-leadership/>  
WGHL 108  
EMSL@asu.edu  
480-727-6963

## Sustainability Leadership, MSL (SUSUSLMSL)

**Online Degree Search Title:** Sustainability Leadership, MSL

**Campus:** Online

### Program Description:

A sustainable future requires leaders who are able to integrate sustainability into existing institutions and new enterprises. A particular knowledge base and skill set is required to drive this kind of transformational change. Professionals with tools and skills learned in sustainability leadership, as opposed to other degree programs, are in a prime position to establish sustainability practices in any type of organization.

The MSL program prepares professionals to advance social, economic and environmental responsibility. It equips graduates to drive high-impact sustainability results in organizations and communities. The program is designed and delivered by people who have worked in and with companies making sustainability transitions and continue to be on the cutting edge of global sustainability leadership. Students can complete the program in one to three years.

The curriculum includes four synergistic thematic areas:

- communications and change management
- global context of sustainability
- leadership for sustainability
- sustainability and strategy

The program also includes opportunities for students to include electives that are related to their specific area of interest. Elective courses are offered that focus on the military, cities, climate, food systems and other thematic areas. Students also may choose to go on an approved study abroad trip to fulfill elective credits.

### Degree Requirements:

30 credit hours including the required applied project course (EMS 593).

Required Core (21 credit hours)

EMS 522 Mastering the Global Sustainability Context (3)

EMS 523 Strategic Sustainability and Leadership (3)

EMS 524 Sustainability Storytelling and Communications (3)

EMS 525 Essentials for Transformative Leadership in Sustainability (3)

EMS 589 MSL Capstone Project Preparation (3)

SOS 508 Pathways to Sustainability (3)

SOS 509 Leading Sustainability Transitions (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

EMS 593 Applied Project (3)

Additional Curriculum Information

Elective courses must be at the 500 level or above.

### Admission Requirements:

Applicants must fulfill the requirements for both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. They should also have a minimum of three years of professional or organizational experience or the equivalent.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program. Applicants who have a GPA less than 3.00 may submit a statement describing contributing circumstances and reference personal experience to be considered for admission.

All applicants must submit:



- graduate admission application and application fee
- official transcripts
- statement of intent
- resume or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-sustainability-leadership-sustainability-leadership/>)

#### Career Opportunities:

Graduates of this program advance their organizational leadership skills in a variety of sectors whether in business, technology, science, education or government. From the School of Sustainability's 2020 alumni employment survey, 100% of respondents are employed. Of those employed, 69% have jobs directly related to sustainability.

Typical career paths include:

- business organization manager
- chief executive officer
- chief sustainability officer
- consultant
- director of strategic initiatives
- sustainability analyst
- sustainability coordinator
- sustainability director
- sustainability manager
- training manager

#### Contact Information:

Global Futures, College of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-sustainability-leadership/WGHL> 108

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## Sustainability Solutions, MSUS (SUSUSOMSUS)

**Online Degree Search Title:** Sustainability Solutions, MSUS

**Campus:** Tempe, ASU@Los Angeles

#### Program Description:

The MSUS program prepares students to apply sustainability principles and approaches to careers in a variety of fields, addressing complex human and environmental challenges. The focus is on developing solutions by working with stakeholders on these challenges using a sustainability framework.

A distinguishing element of the program is its applied approach and emphasis on learning how to develop solutions. Students begin the program with a foundation in sustainability theory and methods, then take electives in an area of interest.

Final courses include learning how to manage sustainability projects as well as the capstone experience, where students team up with a company, a government agency or a nongovernmental organization to develop a real-world sustainability solution. Carried out collaboratively in lieu of a thesis, the capstone provides practical experience positioning graduates for today's competitive, knowledge- and skill-intensive job market.

Los Angeles location: Currently, programs of study are offered in a hybrid learning model. Select courses are offered through in-person instruction in the Herald Examiner building. The majority of courses are offered virtually from Arizona through a combination of synchronous and asynchronous learning technologies. Students should consult their advisor and schedule of classes for additional information.

#### Concurrent Degrees:

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or

after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- Legal Studies, MLS
- Master of Mass Communication, MMC
- Public Administration - Downtown Phoenix, MPA
- Public Policy, MPP
- Urban and Environmental Planning, MUEP

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Sustainability, BS
- Sustainability, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including the applied project requirement of (SOS 593).

Required Core (6 credit hours)

SOS 508 Pathways to Sustainability (3), or SOS 510 Perspectives on Sustainability (3), and  
SOS 509 Leading Sustainability Transitions, or SOS 511 Advanced Sustainability Problem Solving (3)

Other Requirements (15 credit hours)

SOS 582 Project Management for Sustainability (3)  
competency mastery courses (6)  
methods courses (6)

Focus Area Electives (6 credit hours)

Culminating Experience (3 credit hours)

SOS 593 Applied Project (3)

Additional Curriculum Information

MSUS students specialize in a focus area and take six credit hours of elective coursework related to that area, with approval by their academic advisor.

For a list of approved courses that may fulfill the methods and competency mastery requirements, students should see the academic unit. No more than six credit hours of 400-level coursework can be included in the plan of study.

The Graduate College policies and procedures for fulfillment of degree requirements must also be met.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

The statement of intent should not exceed 600 words and should explain the goals the applicant intends to achieve through the plan of study, describe how the applicant's background will contribute to success in the program, explain how completion of the degree will support long-term career goals, and elaborate on project ideas the applicant wishes to pursue as part of the program of study.

### **Career Opportunities:**

Professionals who understand how to solve difficult problems and know how to work with and draw from different disciplines are in high demand across sectors and industries. Graduates of the Master of Sustainability Solutions program have a knowledge base and skillset to bring sustainability solutions to sectors including business, education, nonprofit, governmental and nongovernmental organizations. Graduates bring competencies in collaboratively creating sustainability solutions, drawing on their ability to employ systems-thinking, develop future scenarios and sustainability visions, skillfully negotiate and reconcile diverse values, and devise strategies for action.

From the School of Sustainability's 2020 alumni employment survey, a majority of program graduates are employed. Of those employed, 95% have jobs directly related to sustainability. Students can learn more about careers in sustainability and where Master of Sustainability Solutions graduates are now employed, by visiting: <https://schoolofsustainability.asu.edu/careers/careers-in-sustainability> (<https://schoolofsustainability.asu.edu/careers/careers-in-sustainability>).

Career examples include:

- chief sustainability officer
- environmental specialist
- industrial ecologist
- sustainability analyst
- sustainability consultant
- sustainability specialist
- urban planner

### **Contact Information:**

Global Futures, College of  
School of Sustainability  
<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/master-sustainability-solutions/>  
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## **Sustainable Energy, PHD (SUSUEPHD)**

**Online Degree Search Title:** Sustainable Energy, PhD

**Campus:** Tempe

### **Program Description:**

Society is in the midst of a transition toward sustainable energy. Because the global energy system is a complex, socio-technical system, the transition toward sustainable energy requires the next generation of leaders to possess a transdisciplinary perspective comprising both technical and societal dimensions of energy.

The PhD program in sustainable energy integrates these perspectives in preparing students to address the challenges in energy transitions. Students enter the program from diverse backgrounds in engineering, planning, business, policy, and natural and social sciences. The core classes provide them with an interdisciplinary expertise and skills related to current and emerging energy technologies and systems, economic analysis of energy systems, and social and policy dynamics of energy transitions. Elective classes allow students to develop more specialized methodological skills, technical expertise and topical knowledge.

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (17 credit hours)

SOS 571 Sustainable Energy Technologies and Systems (3)

SOS 572 Sustainable Energy Transitions (3)

SOS 573 Sustainable Energy Policy (3)

SOS 574 Data Analytics for Sustainable Energy (3)  
SOS 575 Sustainable Energy Research Seminar (4)  
SOS 589 Community of Graduate Student Scholars (1)

Electives or Research (12 credit hours)

Other Requirement (13 credit hours)  
SOS 792 Research (13)

Culminating Experience (12 credit hours)  
SOS 799 Dissertation (12)

Additional Curriculum Information

Students take SOS 575 in four different semester terms for 1 credit hour each term.

Electives can be chosen from applicable courses in the following areas based on the student's area of interest and approval from the committee: engineering of matter, transport and energy; sustainable engineering and the built environment; geographical sciences and urban planning; molecular sciences; life sciences; future of innovation in society; physics; and sustainability.

Other electives may be used with approval from the academic unit. Student electives are customizable based on the student's area of research.

Doctoral students are expected to include higher level courses (600 and 700 levels) as part of the elective and research coursework.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework is made up of electives and research.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- GRE scores
- statement of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The school encourages applicants with diverse educational backgrounds and experiences. Sample related fields include engineering, geography, urban planning, environmental science, physics, chemistry or planning for future innovations and societal changes.

All applicants must upload a statement of intent as part of the application process. In no more than 600 words, applicants must explain the goals they intend to achieve through their program of study at the College of Global Futures. Applicants should describe how their background will contribute to their success in the program and how completion of their degree will support their long-term career goals. Finally, applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their program of study and identify potential faculty advisors.

#### **Career Opportunities:**

From the School of Sustainability's 2020 alumni employment survey, 100% of doctoral program respondents are employed. Of those employed, 90% have jobs directly related to sustainability.

Professionals with expertise in sustainable energy are in high demand across industries that including academia, business, planning and

government. Skills in cross-disciplinary research, socio-technical innovation, sustainable energy solutions and policymaking are valuable to businesses and institutions relying on data-driven strategies to solve urgent sustainability problems and shape global futures.

Career examples include:

- assistant or associate professor
- chief sustainability officer
- director of policy advocacy
- energy analyst
- project manager
- renewable energy project manager
- researcher
- science and technology policy advisor
- senior policy analyst
- sustainability consultant
- sustainability specialist
- urban and regional planner

**Contact Information:**

Global Futures, College of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/doctor-philosophy-sustainable-energy/>  
WGHL 108

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## Sustainable Food Systems, MS (SUSUSFSMS)

**Online Degree Search Title:** Sustainable Food Systems, MS

**Campus:** Online

**Program Description:**

The MS in sustainable food systems is a research-oriented degree program in which students develop an understanding of present-day health, agriculture and environmental policy; develop strategies to lead policy discussions; interact with a network of food and agriculture policy leaders and mentors; and apply their knowledge and skills to address problems related to food and food systems.

This program also allows students to spend a week meeting with food producers in Arizona and a week meeting with policymakers in Washington D.C. Students participate in research projects and professional presentations that contribute to food policy knowledge among sustainable food system advocates.

Graduates of the program are able to employ solutions-based thinking and a dynamic systems framework to create the inclusive, diverse and resilient food systems of the future.

**Degree Requirements:**

30 credit hours including the required capstone course (SFS 596).

Required Core (21 credit hours)

SOS 508 Pathways to Sustainability (3)

SOS 509 Leading Sustainability Transitions (3)

SFS 560 Tools and Tactics for Food Policy Change (3)

SFS 561 Food and Farm Immersion Experience (2)

SFS 562 Managing Natural Resources for Food Production (3)

SFS 563 Applied Food Policy Immersion Experience (2)

SFS 564 American Agriculture in the Global Context (2)

SFS 565 Organizational Leadership (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

SFS 596 Capstone (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- two letters of recommendation
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of intent should not exceed 600 words and applicants must explain the goals they intend to achieve through their plan of study at the College of Global Futures, specifically in the field of sustainable food systems. Applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their plan of study. Finally, applicants should describe how their background will contribute to their success in the program.

Letters of recommendation must be from two people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-sustainable-food-systems/>)

**Career Opportunities:**

From the School of Sustainability's 2020 alumni employment survey, 100% of master's degree program graduates are either employed or have gone on to a graduate program. Of those employed, 82% of respondents have jobs directly related to sustainability. Because the sustainable food systems program just launched Fall 2019, the school currently does not have alumni employment data for this specific degree.

Students can use their training in sustainable food systems to advance their career in the food and agriculture sector. Career opportunities include:

- chief sustainability officer
- director of regulatory affairs
- food policy manager
- policy director
- senior advisor for sustainable food systems

**Contact Information:**

Global Futures, College of  
School of Sustainability  
<https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/>  
WGHL 108  
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## Global Management, Thunderbird School of

### Applied Leadership and Management, MALM (TBALMMALM)

**Online Degree Search Title:** Applied Leadership and Management, MALM

**Campus:** Online

**Program Description:**

Professionals expand their management and leadership repertoire while sharpening their business skills in Thunderbird School of Global

Management's MALM program, earning a unique graduate degree with classes taught online by Thunderbird's world-class professors. The program provides mastery of modern practices for managers and executives in transnational organizations from a global perspective, delivering the highest quality graduate education in a flexible online format.

This is an in-depth, professional degree program that features applicable training in the nuances of managing a global business, government agency or nonprofit organization.

The Master of Applied Leadership and Management program combines cutting-edge management coursework with a truly global curriculum, cross-cultural communication and negotiation training, personal development and leadership components to prepare graduates to thrive as decision-makers in enterprises that operate across borders.

Designed to empower graduates with well-rounded, future-ready skill sets, this transformational master's degree provides a strategically choreographed progression through every facet of international management, with courses spanning the gamut of Thunderbird's online offerings, from accounting and data-driven decision making to global finance and marketing. Students also receive hands-on, experiential learning opportunities in practical, real-world situations through elective courses that allow them to apply the full range of professional skills acquired during their studies, preparing them to lead in all sectors: government, private enterprise, NGOs and nonprofits.

The Master of Applied Leadership and Management allows students to work at their own pace to earn their degree in as few as 12 months. The program is designed specifically for students from around the world and allows them to join the globally connected Thunderbird alumni network (<https://thunderbird.asu.edu/node/238>) that opens doors and opportunities all over the planet.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, BGM

International Trade, BS

Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours including the required capstone course (TAM 542).

Required Core (3 credit hours)

TAM 582 Communicating and Negotiating in a Dynamic Global World (3)

Electives (24 credit hours)

Culminating Experience (3 credit hour)

TAM 542 Global Leadership and Personal Development (3)

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The English proficiency requirements are the same as the Graduate College requirements.

Candidates for this program will come from markets such as Nigeria, Kenya, South Africa, India, Egypt, Indonesia, Colombia, Peru and Brazil.

Two years of work experience is preferred but not required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-applied-leadership-management/>)

**Career Opportunities:**

More than ever, today's global organizations need versatile leaders and managers with creative problem-solving skills who can elevate diverse teams across cultures in multiple markets around the world.

Career examples include:

- compensation and benefits managers
- financial analysts
- human resources managers
- logistics analysts
- logistics managers
- management analysts
- marketing managers
- sales managers
- supply chain managers

**Contact Information:**

Global Management, Thunderbird School of  
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602-496-7100

## Global Affairs (Certificate), Certificate (TBGAFGRCT)

**Online Degree Search Title:** Global Affairs (Graduate Certificate)

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

**Program Description:**

The graduate certificate program in global affairs is designed to provide an in-depth study of the global political economy, global theory, global institutional environment, decision-making and global strategy.

The global affairs certificate provides a foundation for students to become globally-minded policymakers serving in national, regional or local government agencies; international or nongovernmental organizations; or multinational corporations. The school's innovative and practical curriculum (a strong core of global business management skills, international political economy and cross-cultural training) is delivered through a transdisciplinary approach.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**

15 credit hours including the required capstone course (TGM 598).

Required Core (12 credit hours)

SGS 501 Global Theory (3)

SGS 502 Global Institutions and Actors (3)

SGS 503 Methods: Global Decision Making Under Uncertainty (3)

POS 591 Seminar (3)

Culminating Experience (3 credit hours)

TGM 598 Special Topics (Capstone Course)



**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:**

Graduates who have combined the certificate in global affairs with their major program of study may become more marketable to employers. They often decide to pursue employment in government, non-profit and social impact areas.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management

<https://thunderbird.asu.edu>

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[admissions.tbird@asu.edu](mailto:admissions.tbird@asu.edu)

602-496-7100

## Global Affairs and Management, MA (TBGAMMA)

**Online Degree Search Title:** Global Affairs and Management, MA

**Campus:** Downtown Phoenix, ASU@Los Angeles, ASU@Washington, D.C.

**Program Description:**

The MA in global affairs and management is a transdisciplinary degree program that covers all aspects of global affairs and management, including global relations, political economy and cross-cultural communications, while supplementing this valuable international affairs curriculum with core courses in accounting, finance, management and marketing.

The program prepares students with the tools and insight needed to address complex issues in diplomacy, business and society and to bring an increased focus on social responsibility to corporate employers.

The specialization in global creative industries is for creatives seeking the skills of management and managers seeking the craft of creativity. It is designed for individuals pursuing global leadership and management careers in film, television or new media; music; AR, VR or XR; gaming; design; dance; fashion; theatre; or the arts, as well as for careers in themed and location-based entertainment and sports.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

Los Angeles location: Currently, programs of study are offered in a hybrid learning model. Select courses are offered through in-person instruction in the Herald Examiner building. The majority of courses are offered virtually from Arizona through a combination of synchronous and asynchronous learning technologies. Students should consult their advisor and schedule of classes for additional information.

**Degree Requirements:**

30 credit hours including the required capstone course (TGM 545).

Required Core (3 credit hours)

TGM 575 Global Affairs (3)

Other Requirements (18 credit hours)

TGM 501 Global Accounting (3)

TGM 502 Financial Management for Global Value Creation (3)

TGM 503 Global Marketing (3)

TGM 504 Managing Organizations from a Global Perspective (3)

TGM 505 States and Markets in a Global Economy (3)

TGM 508 Regional Business Environment I: Emerging Markets (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

TGM 545 Global Leadership and Strategy (3)

Additional Curriculum Information

Other requirements courses may be substituted with approval of the academic unit.

For elective coursework, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE may be required
- one letter of recommendation
- proof of English proficiency

Additional Admission Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants are exempt from taking the GMAT or GRE if they have five or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Contact Information:**

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**Online Degree Search Title:** Global Affairs and Management - Executive, MA

**Campus:** ASU@Washington, D.C.

**Program Description:**

At the Intersection of Global Business and Global Policy

Today's world needs future-ready global leaders and managers more than ever. Accelerating global complexity and dynamism in this Fourth Industrial Revolution is reshaping how we create value, work, live --- indeed who we are. Thunderbird's one-year EMAGAM program provides a digital global mindset and a unique combination of 21st-century hard and soft skills for leading systems and new enterprises, managing complexity, disruptive innovation, digital transformation, collaborative problem-solving and creating sustainable global futures across geographies, cultures and sectors. Based in Washington, DC, the program is tailored for mid-career professionals in all sectors, offering specializations in global business or global public policy. The schedule --- most classes meet every other Friday and Saturday --- allows participants to remain working while earning their degree. Students can choose to travel abroad by adding one of Thunderbird's immersive week-long global challenge labs or field seminars.

Earning this leading-edge executive master's degree prepares graduates for executive leadership positions within their existing organizations or to make a bold move in their careers by switching industries entirely. The program allows students to earn a master's degree from the world's top global leadership and management school in as little as one year, so that they can immediately put their newly acquired skills to work and leverage Thunderbird's global alumni network to advance their career goals.

Global Leadership for the Fourth Industrial Revolution

Thunderbird's Executive Master of Arts in Global Affairs and Management program in Washington, DC includes an intensive focus on how to manage the systemic hazards facing the business and policy worlds. Policymakers and business leaders alike learned from the financial crisis of 2008 that we need to understand the risks emerging from interactions in interdependent financial institutions, rather than merely looking at each institution on its own. From the coronavirus pandemic to global social unrest to the ever more evident impacts of climate upheaval, such systemic fragilities are becoming ever more apparent. To build more robust organizations and resilient societies, we need new mindsets and new tools.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**

30 credit hours including the required capstone course (TGM 545).

Required Core (3 credit hours)

TGM 575 Global Affairs (3)

Electives (9 credit hours)

Other Requirement (15 credit hours)

TGM 505 States and Markets in a Global Economy (3)

TGM 518 International Finance and Trade (3)

TGM 549 Global Leadership (3)

TGM 577 International Organizations (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

Culminating Experience (3 credit hours)

TGM 545 Global Leadership and Strategy (3)

Additional Curriculum Information

Students focus their elective courses in a specific area approved by the academic unit. Other requirement courses may be substituted with approval of the academic unit.

Coursework on complex systems provides a framework for insights into how many social, economic and ecological systems actually work, and --- despite the inherent uncertainties in such systems --- how to manage them, using a much larger toolkit than the standard tools of policy and business analysis.

A key element of managing complexity and uncertainty is the engagement of a wide range of stakeholders in decision-making. Multiple required courses and elective courses cover techniques for facilitating productive multi-stakeholder engagement in the context of complex global systems. For example, in the core course on the craft of global networks in global affairs, students learn how and why to build resilient collaborations across borders and sectors in issues from health to human rights, war to economic renewal, the environment to terrorism.

The program culminates in the global leadership and strategy capstone course, which enables students to apply the new form of leadership needed to manage complex systems through a deep dive into addressing a specific real-world problem. The course thus pulls together the full set of

capabilities required to excel at the top of a global organization.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- one letter of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

Career examples include:

- chief executives
- chief sustainability officers
- general and operations managers
- human resources managers

**Contact Information:**

Global Management, Thunderbird School of

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<https://thunderbird.asu.edu/degrees/graduate-degree/executive-master-in-global-affairs-management>

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602-496-7100

## Global Development (Certificate), Certificate (TBGDVGRCT)

**Online Degree Search Title:** Global Development (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

Thunderbird's graduate certificate program in global development provides an in-depth study of the global political economy as well as social entrepreneurship, community and social engagement, international nongovernmental organizations and global strategy, giving students the skills they need to make a difference in a global society.

Content in each course is developed by top-ranked Thunderbird faculty and provides students with world-class professional development in a variety of subject areas. The school's innovative and practical curriculum (with a strong core of global business management skills, international political economy and cross-cultural training) is delivered through a transdisciplinary approach.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

TGM 510 Strategies in Global Development (3)

TGM 585 Corporate Social Responsibility in a Global Context (3)

Electives (9 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

**Career Opportunities:**

Graduates who have combined the certificate in global development with their major program of study may become more marketable to employers. They often decide to pursue employment in nonprofit and social impact areas.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Global Management, Thunderbird School of  
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## Global Finance (Certificate), Certificate (TBGFINGRCT)

**Online Degree Search Title:** Global Finance (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

The graduate certificate program in global finance provides specialized content knowledge in financial management, investments, private equity and portfolio management for business, governmental and nongovernmental entities that operate on a global scale. Knowledge of global and regional economic and political landscapes, multinational tax management and country risk analysis are key in financial decision-making.

The courses in this program position students in multinational entities where the accounting emphasis is on international financial reporting standards rather than the United States' generally accepted accounting principles and financial value creation is contingent on efficient management of cross-border transfer pricing, tax planning, currency hedging and interest rate risks. The courses help students explore the business and management differences in countries with varying corporate governance, joint venture structures and financial measures of country business performance. Courses emphasize an experiential approach to learning, using case studies featuring companies across the globe with different cultures and complex legal environments.

The school's innovative and practical curriculum (with a strong core of global business management skills, international political economy and cross-cultural training) is delivered through a transdisciplinary approach.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

TGM 518 International Finance and Trade (3)

TGM 519 Global Financial Engineering (3)

Electives (9 credit hours)

Additional Curriculum Information

Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Applicants must have taken TGM 521 Managing for Global Value Creation and TGM 522 Global Financial Decisions, or TGM 502 Financial Management for Global Value Creation, or a three credit hour 500-level graduate course with a minimum grade of "B" (scale is 4.00 = "A") or its equivalent. Coursework must be from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business, European Quality Improvement System or Association of MBAs, or from other institutions with approval of the academic unit.

**Career Opportunities:**

Graduates who have combined the certificate in global finance with their major program of study may become more marketable to employers. They often decide to pursue employment in corporate finance, internal audit or investment banking areas.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Global Management, Thunderbird School of

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## Global Leadership and Strategy, MGLS (TBGLSMGLS)

**Online Degree Search Title:** Global Leadership and Strategy, MGLS

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program. Students interested in global leadership and strategy should apply to the executive global leadership and strategy program (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TBGLSXMGLS/graduate/false>).

**Program Description:**

The MGLS is a global cohort executive leadership and strategy program that centers on development of students' advanced capabilities to

conceptualize and deliver profitable growth along with the competencies to lead strategy execution efforts in a complex and dynamic global environment. This innovative program closely patterns executive decision realities by orienting around key themes that naturally flow, from the macro to the micro, global to local, public to private, interweaving relevant disciplines to address the pressing issues executives face. It is transdisciplinary in both approach and execution.

The Master of Global Leadership and Strategy program combines thematically anchored content with field-deployed experiential learning projects (alternating between developed and emerging markets) that allow participants to interact first-hand with leaders who shape policy and industry and to demonstrate executive acumen through action and response simulation, sprint consultancy engagement, and innovation challenge delivery. The result is a deeply innovative, action-oriented, global executive education experience.

**Degree Requirements:**

30 credit hours including the required capstone course (TGM 606).

Required Core (5 credit hours)

TGM 601 Megatrends: Understanding Future Drivers and their Influencers (5)

Other Requirement (20 credit hours)

TGM 602 Sustainable Futures: Building, Tapping and Creating Shared Value in a Changing World (5)

TGM 603 Shaping Markets: Market Entry and Winning Strategies (5)

TGM 604 Capturing Dividends: Finding, Fostering and Exploiting New Insights (5)

TGM 605 Deliver Results I: Resourcing and Influencing to Maximize Impact (5)

Culminating Experience (5 credit hours)

TGM 606 Delivering Results II: Peak Dynamism Execution and Comprehensive Debrief (5)

Additional Curriculum Information

Other requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- letter of intent or written statement
- admission interview(s)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants should be of high potential, i.e., selected by their organization as on a trajectory to senior executive positions. They must have eight years of leadership or executive experience.

**Contact Information:**

Global Management, Thunderbird School of

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**Global Leadership and Strategy, MGLS (TBGLSXMGLS)**

**Online Degree Search Title:** Global Leadership and Strategy - Executive, MGLS

Academic Catalog Archive 2021-2022

**Campus:** Downtown Phoenix

**Program Description:**

Thunderbird School of Global Management's MGLS program with an executive focus delivers an immersive training experience for executives that takes the student inside the boardrooms of businesses and governments around the world, providing actionable insights into the strategy and leadership nuances at play in today's complex and dynamic global economy.

Through an integrated curriculum that follows a thematic pattern mirroring executive decision-making realities, students engage in online courses and onsite experiential learning opportunities that develop their global mindset and bring them face-to-face with leaders of transnational enterprises who shape policy and industry.

The program consists of six rigorous courses of five credits each, deep dives led by eminent professors and practitioners into topics such as global business megatrends, building sustainable enterprises, and tapping into emerging markets. The six onsite modules are delivered in key global locations, taking students on a transformative journey that includes in-person learning experiences in Los Angeles, Geneva, Nairobi, Mumbai, Shanghai and São Paulo. These travel-training adventures feature powerful professional development experiences such as attending exclusive business and government roundtables or taking part in targeted site visits that offer inside access to regional business. All in-person instruction follows a schedule designed for working professionals and is supplemented by sophisticated online coursework.

The Master of Global Leadership and Strategy program breaks free of the traditional, lock-step curriculum of other graduate business programs, immersing the student in hands-on, culturally complex leadership situations that build their analysis and decision-making capabilities, enhance their executive presence and accelerate their career advancement.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**

30 credit hours including the required capstone course (TGM 606).

Required Core (5 credit hours)

TGM 601 Megatrends: Understanding Future Drivers and Their Influences (5)

Other Requirements (20 credit hours)

TGM 602 Sustainable Futures: Building, Tapping and Creating Shared Value in a Changing World (5)

TGM 603 Shaping Markets: Market Entry and Winning Strategies (5)

TGM 604 Capturing Dividends: Finding, Fostering and Exploiting New Insights (5)

TGM 605 Delivering Results I: Resourcing and Influencing to Maximize Impact (5)

Culminating Experience (5 credit hours)

TGM 606 Delivering Results II: Peak Dynamism Execution and Comprehensive Debrief (5)

Additional Curriculum Information

Other requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- one letter of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.



**Career Opportunities:**

Graduates are equipped with the executive skills and hands-on experience that organizations around the world demand in order to seize the immense opportunities offered in this era of technological transformation and economic complexity, including leading global enterprises at the intersections of business, society, science and technology.

Career examples include:

- chief executives
- chief sustainability officers
- consultants
- entrepreneurs
- general and operations managers

**Contact Information:**

Global Management, Thunderbird School of  
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## Global Management, MGM (TBTGMMGM)

**Online Degree Search Title:** Global Management, MGM

**Campus:** Downtown Phoenix, Online

**Program Description:**

Thunderbird School of Global Management's specialized MGM program delivers cross-cultural, hands-on training in the nuances of international management, preparing students with the perfect balance of practical and people skills to inspire, influence and drive global success. Students globalize their mindset and marketability by pairing their deep-dive leadership training with an innovative concentration area, foreign language options, practical training through the Global Challenge Laboratories, consultative collaborations with corporate partners, internships, real-world simulations and study abroad modules.

The master's degree program starts in August or January with a 16- or 21-month track.

The Accelerated 4+1 Master of Global Management program allows students to earn both a bachelor's and master's degree in as few as five years: <https://thunderbird.asu.edu/degrees/graduate-degree/4-plus-1-master-global-management> (<https://thunderbird.asu.edu/degrees/graduate-degree/4-plus-1-master-global-management>). With the help of their undergraduate academic advisor, this cost-effective option allows students to take 12 credit hours of their core master's degree classes during their senior year based on their major map.

This program features three concentration options for STEM specializations that meet special F-1 international student visa status requirements: global business, global digital transformation and data science.

Global management, evolved

Upon its founding in 1946, Thunderbird became the world's first graduate school focused exclusively on global business and leadership. Blending international trade, public policy, and international affairs, Thunderbird now specializes in the expert development of leaders and managers across sectors, enhancing performance in public and private organizations globally. Students in the Master of Global Management program can choose from one of the 16 concentration areas below or design their own concentration:

Thunderbird concentrations:

- global affairs
- global business
- global digital transformation
- global entrepreneurship

Concentrations offered in partnership with other ASU schools and colleges:

- creative industries and design thinking
- data science
- development and innovation
- digital audience strategy
- health care delivery

- integrated health care
- legal studies
- nonprofit leadership and management
- public administration
- public policy
- sustainability solutions
- sustainable tourism

Students complete rigorous core courses in global management, international political economy and cross-cultural engagement, with electives spanning the gamut of the university's offerings. The result is a flexible, multidisciplinary curriculum featuring a rich variety of coursework in international business and management, social sciences and humanities.

#### Learn by doing

A Thunderbird education features experiential learning for exponential impact. Applied learning courses give students diverse opportunities to work face-to-face with clients or participate in real-life simulations as part of their program. Through these hands-on courses, students have a variety of options to develop and refine their hard skills. By choosing from a wide spectrum of applied learning offerings that are at once practical and cutting-edge, graduates holding a Master of Global Management enter the workforce prepared to thrive immediately. These real-world experiences are built into the curriculum, ensuring 100% participation from Thunderbird students.

Moving from theory to real-world practice, students get invaluable experience by taking on projects for major corporations and other global organizations, including nonprofits and government agencies. In the Global Challenge Labs, students work on consulting projects in emerging markets while developing leadership, cultural sensitivity and international business acumen.

In the Global Organizational Consulting program, students gain distinctive experience in consulting frameworks through client projects. Internships allow students to work for multinational businesses in a wide variety of industries in full-time positions for at least eight weeks on graduate-level projects or over the summer. Thunderbird's simulations present real-world scenarios in the areas of global marketing, global finance and global strategy, allowing students to test solutions in a sandbox setting. They can also travel to specific regions to study local business practices, master intercultural management skills and develop international relationships that can last a lifetime.

Thunderbird School of Global Management has produced uniquely agile and resilient leaders for more than 70 years, leaders in every sector who are capable of tackling the world's greatest challenges.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Computing, BS
- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Asian Languages (Chinese), BA
- Asian Languages (Japanese), BA
- Biochemistry, BS
- Biochemistry, BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Biomedical Sciences), BS
- Biological Sciences (Conservation Biology and Ecology), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Biotechnology and Bioenterprise, BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA

Business (Sustainability), BA  
 Business (Technology), BA  
 Business (Tourism), BA  
 Business Data Analytics, BS  
 Business Entrepreneurship, BS  
 Communication, BS  
 Communication, BA  
 Economics, BS  
 Economics, BS  
 Economics (Politics and the Economy), BS  
 Engineering (Automotive Systems), BSE  
 Engineering (Electrical Systems), BSE  
 Engineering (Mechanical Engineering Systems), BSE  
 Engineering (Robotics), BSE  
 English, BA  
 Finance, BS  
 French, BA  
 General Studies, BA  
 German, BA  
 Global Health, BA  
 Global Management, BGM  
 Health Sciences, BS  
 History, BA  
 Industrial Design, BSD  
 Interdisciplinary Arts and Sciences, BA  
 International Letters and Cultures (Arabic Studies), BA  
 International Letters and Cultures (Classical Civilization), BA  
 International Letters and Cultures (Classics), BA  
 International Trade, BS  
 Italian, BA  
 Jewish Studies, BA  
 Latin American Studies, BA  
 Liberal Studies, BA  
 Management, BS  
 Marketing, BS  
 Marketing (Digital and Integrated Marketing Communications), BS  
 Marketing (Professional Sales), BS  
 Microbiology, BS  
 Microbiology (Medical Microbiology), BS  
 Molecular Biosciences and Biotechnology, BS  
 Philosophy, BA  
 Philosophy (Morality, Politics and Law), BA  
 Philosophy, Religion and Society, BA  
 Political Science, BA  
 Political Science, BS  
 Psychology, BS  
 Psychology, BA  
 Psychology, BS  
 Psychology, BA  
 Psychology (Forensic Psychology), BS  
 Psychology (Forensic Psychology), BA  
 Public Service and Public Policy (American Indian Studies), BS  
 Public Service and Public Policy (Business), BS  
 Public Service and Public Policy (Criminology), BS  
 Public Service and Public Policy (Health Policy), BS  
 Public Service and Public Policy (Law and Policy), BS  
 Public Service and Public Policy (Nonprofit Leadership and Management), BS  
 Public Service and Public Policy (Parks and Recreation Management), BS  
 Public Service and Public Policy (Science and Technology Policy), BS  
 Public Service and Public Policy (Sustainability), BS  
 Religious Studies (Religion, Culture and Public Life), BA  
 Religious Studies (Religion, Politics and Global Affairs), BA  
 Russian, BA  
 Science of Health Care Delivery, BS

Social Justice and Human Rights, BA  
Social and Behavioral Sciences, BS  
Social and Behavioral Sciences, BA  
Sociology, BA  
Sociology, BS  
Spanish, BA  
Supply Chain Management, BS  
Sustainability, BA  
Sustainability, BS  
Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours including a foreign language exam and the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Other Requirements (21 credit hours)

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Electives (24 credit hours)

Culminating Experience (1 credit hours)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

Proficiency in a second language is required for graduation from the MGM degree. Students whose native language is not English who meet the admission requirements for this program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework.

For electives coursework, students should see the academic unit for approved courses.

For other requirements coursework, other courses may be used with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The program is open to candidates from any undergraduate major.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question

- GMAT or GRE may be required
- one professional or academic reference
- interview
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-applied-leadership-management/>)

#### Career Opportunities:

Thunderbird prepares graduates to enter this complex and exciting global economy with specialized, hands-on training in international business, cross-cultural relations, global political economy and regional business environments. With their global mindset, core professional skills, mastery of 21st century management principles and practices, and multicultural outlook, Thunderbird graduates are prepared for leadership roles in organizations with a global scope.

Career examples include:

- auditors
- financial managers
- general and operations managers
- intelligence analysts
- logistics managers
- marketing managers
- market research analysts and marketing specialists
- management analysts
- sales managers
- social and community services managers
- sustainability specialists
- supply chain managers
- urban and regional planners

#### Contact Information:

Global Management, Thunderbird School of  
 Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate/master-global-management>  
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 602-496-7100

## Global Management, MGM (TBTGMXMG)

**Online Degree Search Title:** Global Management (Executive), MGM

**Campus:** Downtown Phoenix, ASU@Los Angeles

#### Program Description:

Global management, evolved

Thunderbird School of Global Management's MGM program with an executive focus is designed for experienced professionals interested in broadening their global outlook and their worldwide network. The program combines cutting-edge management coursework, cross-cultural insight

and regional studies to prepare graduates to lead transnational businesses, nonprofit organizations or government agencies. With the busy schedules of working professionals in mind, this specialized master's degree is designed to be completed as a lock-step program in 12 months.

Thunderbird's highly ranked Master of Global Management is an interactive learning experience delivered through hands-on training by prominent professors in international management strategies and through collaboration with executive-level classmates. Students master cultural nuances affecting regional business environments around the globe. Traditional business courses like accounting, finance and marketing are available as electives --- all taught through a global lens --- giving graduates the perfect balance of practical and people-influencing skills to inspire and drive success.

Students in the executive focus program learn to lead teams and manage projects across borders and across all levels of an organization that operates in different locations around the world. This program goes beyond the traditional executive-level business degree, offering comprehensive instruction in global management disciplines as well as cross-cultural communications, negotiations and international political economy. With its transdisciplinary philosophy blending business and trade, public policy and international affairs, the well-rounded curriculum builds capability in every facet of international management, featuring hands-on, experiential learning opportunities and practical, applicable explorations of the intricacies of leading global enterprises.

#### Residence modules and experiential learning

The yearlong executive focus program begins with an intense residence module delivered in the school's state-of-the-art facilities located in the downtown business district of Phoenix, the nation's fifth-largest and fastest-growing city. Throughout the program, the cohort meets on weekends for in-person instruction with Thunderbird faculty.

The program also offers global field seminars --- hands-on learning experiences in a focused region of the world --- composed of site visits, high-level meetings and presentations with local businesses, governments and cultural leaders, to learn what makes doing business in the region unique.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

Los Angeles location: Currently, programs of study are offered in a hybrid learning model. Select courses are offered through in-person instruction in the Herald Examiner building. The majority of courses are offered virtually from Arizona through a combination of synchronous and asynchronous learning technologies. Students should consult their advisor and schedule of classes for additional information.

#### **Degree Requirements:**

31 credit hours including the required capstone course (TGM 597).

#### Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

#### Other Requirements (15 credit hours)

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 530 Big Data in the Age of the Global Economy (3)

TGM 549 Global Leadership (3)

TGM 598 Topic: Global Digital Transformation (3)

TGM 598 Topic: Lifelong Personal Leadership in the Global Economy (3)

#### Electives (12 credit hours)

#### Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

#### Additional Curriculum Information

For other requirements, the academic unit may approve other courses to be used than those listed.

For electives coursework, students should see the academic unit for the approved course list.

Students are allowed up to six credit hours of 400-level courses on the plan of study.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The program is open to candidates from any undergraduate major.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- one letter of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

GRE or GMAT scores may be required after a complete review of the student's application material, including resume, academic transcripts and letter of recommendation.

### **Career Opportunities:**

Examples of career opportunities include professional titles such as:

- chief compliance officer
- chief executive officer
- chief financial officer
- chief information officer
- chief marketing officer
- chief operating officer
- chief sustainability officer
- executive director
- vice president

### **Contact Information:**

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## **Global Management (Certificate), Certificate (TBTGMGRCT)**

**Online Degree Search Title:** Global Management (Graduate Certificate)

**Campus:** Downtown Phoenix

### **Program Description:**

Thunderbird's graduate certificate program in global management provides an in-depth study of global political economy, leadership, strategy, negotiations and cross-cultural communications, giving students the skills they need to succeed in today's increasingly global business environment.

The school's innovative and practical curriculum, with a strong core of global business management skills, international political economy and cross-cultural training, is delivered through a transdisciplinary approach.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

### **Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

TGM 545 Global Leadership and Strategy (3)

Restricted Electives (12 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

TGM 515 Navigating Global and Regional Business Environments (3)  
TGM 517 Global Accounting and Financial Management (3)  
TGM 557 Global Marketing and Data Analytics (3)  
TGM 586 Global Entrepreneurship and Sustainable Business (3)

#### Additional Curriculum Information

For restricted electives, students select four courses from the list above. Other courses may be approved by the academic unit.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

#### Career Opportunities:

Graduates who have combined the certificate in global management with their major program of study may become more marketable to employers. They often decide to pursue employment in corporate functions such as marketing, strategy, finance, human resources, and supply chain.

Advanced degrees or certifications may be required for academic or clinical positions.

#### Contact Information:

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate-certificates/graduate-certificate-global-management>  
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## Global Management (Creative Industries and Design Thinking), MGM (TBGMCIDMGM)

**Online Degree Search Title:** Global Management (Creative Industries and Design Thinking), MGM

**Campus:** Downtown Phoenix

#### Program Description:

The World Economic Forum reports that empathy and collaboration are two critical abilities for global manager success. These are equally critical for those seeking careers in creative industries and industries that use design thinking. These abilities rely on the development of social capital. Students in this program have the ability to build sustainable, trusting relationships --- the basis of social capital --- with others from diverse parts of the world by developing a deep capacity for intercultural empathy, the ability to have an interpersonal impact and the ability to act with diplomacy. This program is designed to develop a student's social capital through field-based action learning, team-based projects and stretch assignments. This concentration is offered in collaboration with the Herberger Institute for Design and the Arts: <https://herbergerinstitute.asu.edu> (<https://herbergerinstitute.asu.edu/>).

Inventive thinking. Innovative leadership.

There is an entrepreneurial skills gap among traditional art and design graduates, which can be filled by this program. The National Strategic National Arts Alumni Project survey of over 100,000 art and design graduates indicates that while 77% of architecture graduates and 75% of fine arts graduates believe entrepreneurial skills to be somewhat or very important, only 24% and 21% respectively gained the necessary



entrepreneurial knowledge and skills as undergraduates.

The MGM program with a concentration in creative industries and design thinking teaches students critical skills with an interdisciplinary focus to meet a current need in the globally expanding field of creative industries. Additionally, providing students with an entrepreneurial skill set strengthens their ability to connect interdisciplinary knowledge of the cultural industries with design thinking methodology, building on management skills and the ability to apply entrepreneurial vision to the globally interconnected sector of art and design. Students are exposed to design-thinking pedagogy as they increase their capacity for interpersonal communication, public communication, opportunity recognition, network and systems thinking, problem recognition and creativity, as well as demonstrated abilities in cultural leadership, knowledge of the creative industries, distribution of creative products, the creative process and management of innovation in the creative industries.

This master's degree program empowers students to advance innovation in the cultural sector, support creative work and careers, harness social capital and design public and private enterprises that will strengthen arts and design in the future. The program prepares graduates to understand the complex economic, legal, political and social contexts that surrounds any innovation or enterprise.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Technology), BA
- Business (Tourism), BA
- Business Data Analytics, BS
- Business Entrepreneurship, BS
- Economics, BS
- Finance, BS
- Global Health, BA
- Global Management, BGM
- History, BA
- Industrial Design, BSD
- International Trade, BS
- Jewish Studies, BA
- Liberal Studies, BA
- Management, BS
- Marketing, BS
- Marketing (Digital and Integrated Marketing Communications), BS
- Marketing (Professional Sales), BS
- Microbiology, BS
- Philosophy, BA
- Philosophy (Morality, Politics and Law), BA
- Religious Studies (Religion, Culture and Public Life), BA
- Religious Studies (Religion, Politics and Global Affairs), BA

## Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

#### Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

#### Concentration (6 credit hours)

HDA 513 Applied Research and Evaluation Methods (3)

HDA 521 Counting Arts and Culture: Reasoning with Empirical Evidence (3)

#### Restricted Electives (6 credit hours)

GRA 501 Creative Environment and Collaborative Leadership (3)

HDA 522 Media Literacy and Distribution (3)

creative enterprise development elective (3)

leadership elective (3)

#### Open Electives (12 credit hours)

#### Other Requirement (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

#### Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

#### Additional Curriculum Information

For restricted electives, students either take HDA 522, GRA 501, a creative enterprise development elective or leadership elective for a total of six credit hours.

Open electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts

- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

#### Career Opportunities:

Career examples include:

- intelligence analysts
- Instructional designers and technologists
- management analysts
- marketing manager
- market research analysts and marketing specialists
- sales managers
- social and community services managers

#### Contact Information:

Global Management, Thunderbird School of  
 Thunderbird School of Global Management  
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 602-496-7100

## Global Management (Data Science), MGM (TBGMDSCMGM)

**Online Degree Search Title:** Global Management (Data Science), MGM

**Campus:** Downtown Phoenix

#### Program Description:

This STEM-designated\* concentration program is offered to students who are interested in gaining both global management and data management expertise in order to work in multinational corporations, international nonprofit entities, governmental and non-governmental organizations around the globe.

As global companies and organizations in the Fourth Industrial Revolution continue to rely on data to drive management decisions, it is increasingly important for leaders to have the skills necessary to understand and interpret that data.

Thunderbird School of Global Management has produced unique leaders for 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

\*As an added bonus for international students, this program meets special F-1 international student status requirements. This means that international students who graduate with the data science concentration qualify for a 24-month extension to their Optional Practical Training in the United States beyond the 12-month period already provided to international students in non-STEM degrees.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Language and Culture), BA
- Business (Statistics), BA
- Business Data Analytics, BS
- Business Entrepreneurship, BS
- Economics, BS
- Industrial Design, BSD
- Liberal Studies, BA
- Marketing, BS
- Marketing (Digital and Integrated Marketing Communications), BS
- Marketing (Professional Sales), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

CSE 511 Data Processing at Scale (3) or CSE 512 Distributed Database Systems (3)

CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

Choose two from the following:

CSE 510 Database Management System Implementation (3)

CSE 515 Multimedia and Web Databases (3)

CSE 546 Cloud Computing (3)

CSE 573 Semantic Web Mining (3)

CSE 578 Data Visualization (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirements coursework may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English who meet the admission requirements for the program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

### **Career Opportunities:**

Jobs for computer and information research scientists are expected to grow 16% between 2016 and 2028 (Occupational Outlook Handbook, Bureau of Labor Statistics). Many companies report difficulties finding qualified professionals with solid systems, engineering, algorithmic and mathematical backgrounds and with excellent data management and analysis skills. To meet this market need, Thunderbird School of Global Management designed the data science concentration within the MGM degree program in conjunction with ASU's School of Computing, Informatics and Decision Systems Engineering. <https://cidse.engineering.asu.edu/> (<https://cidse.engineering.asu.edu/>)

Career examples include:

- instructional designers and technologists
- intelligence analysts
- management analysts
- market research analysts and marketing specialists

### **Contact Information:**

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## **Global Management (Digital Audience Strategy), MGM (TBGMDASMGM)**

**Online Degree Search Title:** Global Management (Digital Audience Strategy), MGM

**Campus:** Downtown Phoenix

**Program Description:**

The World Economic Forum reports that empathy and collaboration are two critical abilities for a global manager's success. These abilities rely on the development of social capital, and they are equally critical for those seeking careers in digital audience strategy. This program is designed to develop social capital through field-based action learning, team-based projects and stretch assignments. Students have the ability to build sustainable trusting relationships --- the basis of social capital --- with others from diverse parts of the world by developing intercultural empathy, the ability to have an interpersonal impact and the ability to lead with diplomacy.

Digital marketing is expected to have an 11% compound annual growth through 2021 (Forbes). Similarly, advances in technology have brought programming and data analysis within reach for far less technically trained individuals. This has created a new class of hybrid jobs that combine digital skills with marketing and design (Burning Glass). In response to this trend, Thunderbird School of Global Management has designed the digital audience strategy concentration within the MGM degree program in collaboration with the Walter Cronkite School of Journalism and Mass Communication: <https://cronkite.asu.edu/> (<https://cronkite.asu.edu/>).

**Digital Reach. Global Impact**

The MGM concentration in digital audience strategy is designed for students interested in augmenting their digital skills in the areas of marketing, design and product development. Through a collaborative sequence of courses offered in partnership with other ASU colleges, students can combine the global management skills found in graduates of the traditional Master of Global Management with digital expertise.

Strong quantitative and qualitative research methods provide the foundation of effective digital audience strategy, and graduates of the program master the ability to conduct research to identify and reach target audiences and to demonstrate returns on investments.

The research used to identify and reach target audiences through digital audience strategy includes traditional and emerging methods such as real-time website and social media audience analysis, social network analysis, search engine optimization analysis, surveys, focus groups and competitive analysis. Graduates master a range of methods to inform strategy for specific outcomes.

This concentration is perfect for students who are interested in expanding and refining their digital skills in the areas of marketing, design and product development to complement a strong core of global leadership and management skills. A Master of Global Management from Thunderbird with a concentration in digital audience strategy prepares graduates to take on leadership roles around the world in industries such as entertainment, journalism, public relations, marketing and many others.

Thunderbird School of Global Management has produced principled, agile leaders for 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Technology), BA
- Business (Tourism), BA
- Business Data Analytics, BS
- Business Entrepreneurship, BS

Economics, BS  
Finance, BS  
Global Health, BA  
Global Management, BGM  
History, BA  
Industrial Design, BSD  
International Trade, BS  
Jewish Studies, BA  
Liberal Studies, BA  
Management, BS  
Marketing, BS  
Marketing (Digital and Integrated Marketing Communications), BS  
Marketing (Professional Sales), BS  
Microbiology, BS  
Philosophy, BA  
Philosophy (Morality, Politics and Law), BA  
Religious Studies (Religion, Culture and Public Life), BA  
Religious Studies (Religion, Politics and Global Affairs), BA  
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

MCO 561 Defining the Digital Audience (3)

MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)

MCO 563 Social Media Campaigns and Engagement (3)

MCO 564 Digital Audience Research and Behavior (3)

MCO 565 Digital Audience Analytics (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

For the concentration coursework, students must take MCO 561, then choose three courses from MCO 562, MCO 563, MCO 564 or MCO 565 for a total of 12 credit hours.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully complete six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Career Opportunities:**

Career examples include:

- instructional designers and technologists
- intelligence analysts
  - management analysts
- marketing manager
- market research analysts and marketing specialists
- sales managers

**Contact Information:**

Global Management, Thunderbird School of

Thunderbird School of Global Management

<https://thunderbird.asu.edu/degrees/graduate/master-global-management>

AZCT 800

admissions.tbird@asu.edu

602-496-7100

**Global Management (Global Affairs), MGM (TBGMGAMGM)**

**Online Degree Search Title:** Global Management (Global Affairs), MGM

**Campus:** Downtown Phoenix



**Program Description:**

Understanding the intersections between business and politics is more important than ever for managers and executives in the private, nonprofit and public sectors. The World Economic Forum's latest Future of Jobs Report and McKinsey Global Institute's Jobs of the Future report both have suggested that transdisciplinary, virtual collaboration and cross-cultural competence are extremely important job skills for the near future.

Thunderbird's MGM program with a concentration in global affairs equips students with the knowledge base and hard skills needed to thrive in the growing job markets at the nexus of global business and international politics.

This concentration is designed for students who aspire to take on management and executive positions in government agencies such as the U.S. Department of Commerce, the State Department and the Treasury Department or similar roles in the government of a student's home country. The global affairs concentration also positions graduates for leadership roles in international organizations such as the World Bank or World Trade Organization and in major companies that require analysts to monitor policy trends, managers to oversee global supply chains and representatives to advance global business interests to governments, both domestic and foreign.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Technology), BA
- Business (Tourism), BA
- Business Data Analytics, BS
- Business Entrepreneurship, BS
- Economics, BS
- Finance, BS
- Global Health, BA
- Global Management, BGM
- History, BA
- Industrial Design, BSD
- International Trade, BS
- Jewish Studies, BA
- Liberal Studies, BA
- Management, BS
- Marketing, BS
- Marketing (Digital and Integrated Marketing Communications), BS
- Marketing (Professional Sales), BS
- Philosophy, BA
- Philosophy (Morality, Politics and Law), BA
- Religious Studies (Religion, Culture and Public Life), BA
- Religious Studies (Religion, Politics and Global Affairs), BA
- Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic

departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

Electives (12 credit hours)

Other Requirement (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

For concentration coursework, students choose four courses from an approved list for a total of 12 credit hours. Students should contact the academic unit for approved course list.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English who meet the admission requirements for the master's degree program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any subject or related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

#### Career Opportunities:

Career examples include:

- business continuity planners
- intelligence analysts
- political scientists
- regulatory affairs specialists
- social and community service managers

#### Contact Information:

Global Management, Thunderbird School of

Thunderbird School of Global Management

<https://thunderbird.asu.edu/degrees/graduate/master-global-management>

AZCT 800

admissions.tbird@asu.edu

602-496-7100

## Global Management (Global Business), MGM (TBGMGBMGM)

**Online Degree Search Title:** Global Management (Global Business), MGM

**Campus:** Downtown Phoenix

#### Program Description:

This STEM-designated MGM program with a concentration in global business delivers cross-cultural, hands-on training in the nuances of international management, preparing students with the perfect balance of practical and people skills to inspire, influence and drive global success.\*

The concentration in global business allows students to specialize in the various pathways in global business such as global finance, global marketing, supply chain or management consulting. By developing students' skills such as cross-cultural competency, social and emotional intelligence as well as creative and adaptive thinking, this program helps sharpen their global mindset, along with leadership and management skills, preparing them for a boundless career as a global manager or leader in their chosen field.

Global business effectiveness requires knowledge and understanding of global dynamics, the ability to simplify and explain complex ideas, and a nuanced, cosmopolitan view of the world. These three dimensions form the basis of global intellectual capital. In the Master of Global Management degree program, this capital is built inside and outside the classroom through a cutting-edge international business curriculum reinforced with field-based projects that integrate international business experience, illustrating social proof of global intellectual capital mastery. The concentration in global business prepares students who aspire to become global managers or leaders in their chosen fields.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

\*This program meets special F-1 international student status requirements. This means that international students who graduate with the global business concentration qualify for a 24-month extension to their Optional Practical Training in the United States beyond the 12 months already provided to international students in non-STEM degrees.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Asia Studies (East Asia), BA  
 Asia Studies (South Asia), BA  
 Asia Studies (Southeast Asia), BA  
 Biological Sciences, BS  
 Biological Sciences (Biology and Society), BS  
 Biological Sciences (Genetics, Cell and Developmental Biology), BS  
 Biological Sciences (Neurobiology, Physiology and Behavior), BS  
 Business (Business Administration), BA  
 Business (Communication), BA  
 Business (Food Industry Management), BA  
 Business (Global Agribusiness), BA  
 Business (Global Logistics Management), BA  
 Business (Global Politics), BA  
 Business (Health Care), BA  
 Business (Information Security), BA  
 Business (Language and Culture), BA  
 Business (Law), BA  
 Business (Public Service and Public Policy), BA  
 Business (Sports Business), BA  
 Business (Statistics), BA  
 Business (Sustainability), BA  
 Business (Technology), BA  
 Business (Tourism), BA  
 Business Data Analytics, BS  
 Business Entrepreneurship, BS  
 Economics, BS  
 Finance, BS  
 Global Health, BA  
 Global Management, BGM  
 History, BA  
 Industrial Design, BSD  
 International Trade, BS  
 Jewish Studies, BA  
 Liberal Studies, BA  
 Management, BS  
 Marketing, BS  
 Marketing (Digital and Integrated Marketing Communications), BS  
 Marketing (Professional Sales), BS  
 Microbiology, BS  
 Philosophy, BA  
 Philosophy (Morality, Politics and Law), BA  
 Religious Studies (Religion, Culture and Public Life), BA  
 Religious Studies (Religion, Politics and Global Affairs), BA  
 Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

Electives (12 credit hours)

Other Requirement (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

#### Additional Curriculum Information

For concentration coursework, students choose four courses from an approved list, which includes 500-level TGM courses, select SCM courses (502, 515, 520, 541 and 542) and HSM 550. Students should contact the academic unit for a full list of approved courses.

Students specialize their electives in various areas in global business such as global finance, global marketing or global leadership. Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English and who meet admission requirements for the program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or successfully completing six credit hours of 40- level or higher foreign language coursework as part of the program electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

#### **Career Opportunities:**

Career examples include the following:

- auditors

- financial analysts
- financial managers
- general and operations managers
- human resources managers
- intelligence analysts
- logistics managers
- marketing managers
- management analysts
- sales managers
- supply chain managers

**Contact Information:**

Global Management, Thunderbird School of  
 Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate/master-global-management>  
 AZCT 800  
 admissions.tbird@asu.edu  
 602-496-7100

**Global Management (Global Development and Innovation), MGM (TBGMGDIMG)**

**Online Degree Search Title:** Global Management (Global Development and Innovation), MGM

**Campus:** Downtown Phoenix

**Program Description:**

Recent research reveals that graduate programs in international development are in high demand. In fact, Devex found that the master's in international development was No. 3 in their survey of most demanded degrees (Devex, 2016). In a study of international development graduates in Canada, researchers found that over 86% of graduates were employed (Tiessen and Cameron, 2017). To meet this surging demand, Thunderbird School of Global Management created the development and innovation concentration within the MGM degree program.

Offered in collaboration with the School for the Future of Innovation in Society (<https://sfis.asu.edu/school-future-innovation-society>) (<https://sfis.asu.edu/school-future-innovation-society>)), the Master of Global Management in global development and innovation prepares global leaders to leverage innovation strategies to tackle development and planetary challenges. The ability to access the tremendous resources available throughout ASU for a truly customizable and transdisciplinary education sets this degree program apart.

Tailored to each student's ambitions and interests, this unique academic concentration is relevant to development practitioners who seek to complement their skills and experience and to those interested in pursuing careers in international development agencies within and beyond government as well as in nongovernmental organizations and community organizations at local, national and international levels.

Graduates are equipped with the analytical and practical skills and experience needed to engage critically as leaders in issues around innovation and development and to work across the intersections of innovation, development policy and global management. They are prepared to make a positive impacts in leadership roles alongside the school's global alumni network of professionals who are making a difference. Graduates have opportunities around the world to tackle some of humanity's most difficult and urgent challenges. T-birds are on the frontline working as agents of change, advancing our shared vision of a world with inclusive and sustainable prosperity.

Thunderbird School of Global Management has produced unique leaders for 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA

Business (Global Politics), BA  
 Business (Health Care), BA  
 Business (Information Security), BA  
 Business (Language and Culture), BA  
 Business (Law), BA  
 Business (Public Service and Public Policy), BA  
 Business (Sports Business), BA  
 Business (Statistics), BA  
 Business (Sustainability), BA  
 Business (Technology), BA  
 Business (Tourism), BA  
 Business Data Analytics, BS  
 Business Entrepreneurship, BS  
 Economics, BS  
 Finance, BS  
 Global Health, BA  
 Global Management, BGM  
 History, BA  
 Industrial Design, BSD  
 International Trade, BS  
 Jewish Studies, BA  
 Liberal Studies, BA  
 Management, BS  
 Marketing, BS  
 Marketing (Digital and Integrated Marketing Communications), BS  
 Marketing (Professional Sales), BS  
 Microbiology, BS  
 Philosophy, BA  
 Philosophy (Morality, Politics and Law), BA  
 Religious Studies (Religion, Culture and Public Life), BA  
 Religious Studies (Religion, Politics and Global Affairs), BA  
 Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

GTD 501 Global Technology and Development (3)  
 GTD 503 Technology and the International Political System (3)  
 GTD 504 Technology and Development in Zones of Conflict (3)  
 GTD 505 Social Science Inquiry for Global Development (3)  
 GTD 506 Applied Project Methods in Global Development (3)  
 GTD 507 Technology and Development in the Middle East (3)  
 GTD 508 Technology and Development in Latin America (3)  
 GTD 509 Technology and Development in North Africa (3)  
 GTD 510 Technology and Development in Sub-Saharan Africa (3)  
 GTD 511 Development Policy and Practices (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)

foreign language  
 TGM 515 Navigating Global and Regional Business Environments (3)  
 TGM 517 Global Accounting and Financial Management (3)  
 TGM 545 Global Leadership and Strategy (3)  
 TGM 557 Global Marketing and Data Analytics (3)  
 TGM 586 Global Entrepreneurship and Sustainable Business (3)  
 TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

#### Additional Curriculum Information

For concentration coursework, students choose four courses from the approved list for a total of 12 credit hours.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework as part of the program electives.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

#### Career Opportunities:

Career examples include:

- business continuity planners
- environmental economists
- environmental restoration planners



- regulatory affairs managers
- sustainability specialists
- urban and regional planners
- water resource specialists

**Contact Information:**

Global Management, Thunderbird School of  
 Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate/master-global-management>  
 AZCT 800  
 admissions.tbird@asu.edu  
 602-496-7100

**Global Management (Global Digital Transformation), MGM (TBGMGDTMGM)**

**Online Degree Search Title:** Global Management (Global Digital Transformation), MGM

**Campus:** Downtown Phoenix

**Program Description:**

Thunderbird designed the STEM-designated\* global digital transformation concentration within the MGM degree program for students interested in augmenting their digital skills in the areas of management consulting, marketing, design and product development. Students can tailor this cutting-edge academic concentration to fit their specific learning goals. Through collaborative courses offered in partnership with other ASU colleges, students may combine the global management skills gained in the Master of Global Management with digital expertise to create a dual specialization that will continue to be in high demand throughout the global economy.

A new brand of leadership: global, digital, cross-sectoral, transdisciplinary.

The World Economic Forum reports that empathy and collaboration are two critical abilities for a global manager's success. These abilities are equally critical for those seeking careers in global digital transformation. They are skills that rely on the development of social capital. This program is designed to develop a student's social capital through field-based action learning, team-based projects and stretch assignments. Students can build sustainable trusting relationships --- the basis of social capital --- with others from diverse parts of the world. By developing a deep capacity for intercultural empathy, mastering interpersonal communication and negotiation skills, and cultivating the ability to act with diplomacy, graduates are prepared to take on a leadership role in a global organization.

Digital transformation leadership is a highly sought after expertise. However, technical skills need to be supplemented with a strong repertoire of management and collaboration skills. The Master of Global Management program with a concentration in global digital transformation expands students' choices of electives and fuses technological skills with managerial skills. In this concentration, students combine the global management skills of the Master of Global Management with digital expertise by specializing in the various pathways of global digital transformation through program coursework and applied learning projects guided by our faculty experts.

\*As a bonus for international students, this program meets special F-1 international student status requirements. This means that international students who graduate with the global digital transformation concentration qualify for a 24-month extension to their Optional Practical Training in the United States beyond the 12 months already provided to international students in non-STEM degrees.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA

Business (Information Security), BA  
 Business (Language and Culture), BA  
 Business (Law), BA  
 Business (Public Service and Public Policy), BA  
 Business (Sports Business), BA  
 Business (Statistics), BA  
 Business (Sustainability), BA  
 Business (Technology), BA  
 Business (Tourism), BA  
 Business Data Analytics, BS  
 Business Entrepreneurship, BS  
 Economics, BS  
 Finance, BS  
 Global Health, BA  
 Global Management, BGM  
 History, BA  
 Industrial Design, BSD  
 International Trade, BS  
 Jewish Studies, BA  
 Liberal Studies, BA  
 Management, BS  
 Marketing, BS  
 Marketing (Digital and Integrated Marketing Communications), BS  
 Marketing (Professional Sales), BS  
 Microbiology, BS  
 Philosophy, BA  
 Philosophy (Morality, Politics and Law), BA  
 Religious Studies (Religion, Culture and Public Life), BA  
 Religious Studies (Religion, Politics and Global Affairs), BA  
 Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

Electives (12 credit hours)

Other Requirement (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English and who meet the admission requirements for the program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an

oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Career Opportunities:**

Digital marketing is expected to have an 11% compound annual growth through 2021 (Forbes). Similarly, advances in technology have made programming and data analysis accessible to individuals with less advanced technical training. This has created a class of hybrid jobs that combine digital skills with marketing and design (Burning Glass). The World Economic Forum, Future of Jobs Survey and the Jobs of the Future report by McKinsey Global Institute 2017 listed transdisciplinary, new media literacy and virtual collaboration as important job skills for the future.

Career examples include:

- intelligence analysts
- logistics analysts
- management analysts
- marketing managers
- market research analysts and marketing specialists

**Contact Information:**

Global Management, Thunderbird School of

Thunderbird School of Global Management

<https://thunderbird.asu.edu/degrees/graduate/master-global-management>

AZCT 800

## Global Management (Global Entrepreneurship), MGM (TBGMGEMGM)

**Online Degree Search Title:** Global Management (Global Entrepreneurship), MGM

**Campus:** Downtown Phoenix

### Program Description:

Global Entrepreneurship Monitor 2017-18, Global Report, suggested that entrepreneurship activities continue to grow globally. Increasingly, these innovative activities were triggered by opportunities rather than by the kinds of necessity that historically drove creativity for many decades around the world. The new digital technological transformation has created tremendous opportunities and led to an increase in the need for new, creative ventures. Additionally, the report also found that the change in attitude toward entrepreneurship and regulations in various countries had sparked and perpetuated entrepreneurship activities.

To meet this market need, Thunderbird has designed the global entrepreneurship concentration within the school's top-ranked MGM degree program.

This concentration is offered to students who are interested in starting their own business or who need to be entrepreneurial in the organizations they work for. This concentration sharpens entrepreneurial skills, helps develop business plans for global enterprises and promotes innovation and economic growth globally.

The World Economic Forum reports that empathy and collaboration are two critical abilities for a global leader's success. These abilities are equally critical for those seeking careers in global entrepreneurship, and they rely on the development of social capital. This academic concentration is designed to develop a student's social capital through field-based action learning, team-based projects and stretch assignments. Students learn and master proven methods and techniques to build sustainable, trusting relationships --- the basis of social capital --- with others from diverse parts of the world, developing intercultural empathy, the ability to have an interpersonal impact and the mental dexterity to act with diplomacy.

Global entrepreneurs are innovators who use their international business acumen and professional connections to identify transnational and cross-cultural opportunities, turning them into new value-generating initiatives. The Master of Global Management program with a concentration in global entrepreneurship provides a broad foundation of international business knowledge and sharpens students' entrepreneurial skills by helping develop business plans for global enterprises. This concentration offers learning opportunities specifically designed to foster innovation and economic growth worldwide to stimulate the growth of students into global entrepreneurs. Students build on a base of skills in areas such as finance and accounting with specialized education in research, pitching business ideas and analyzing markets for the viability of new products and services.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Technology), BA
- Business (Tourism), BA

Business Data Analytics, BS  
Business Entrepreneurship, BS  
Economics, BS  
Finance, BS  
Global Health, BA  
Global Management, BGM  
History, BA  
Industrial Design, BSD  
International Trade, BS  
Jewish Studies, BA  
Liberal Studies, BA  
Management, BS  
Marketing, BS  
Marketing (Digital and Integrated Marketing Communications), BS  
Marketing (Professional Sales), BS  
Microbiology, BS  
Philosophy, BA  
Philosophy (Morality, Politics and Law), BA  
Religious Studies (Religion, Culture and Public Life), BA  
Religious Studies (Religion, Politics and Global Affairs), BA  
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

Electives (12 credit hours)

Other Requirement (21 credit hours)

foreign language

TGM 596 Thunderbird Experiential Practicum (6)

Students choose five courses from the following:

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 598 Special Topics: The Global Business Plan (3)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

For concentration coursework, students choose four courses from an approved list. Students should contact the academic unit for approved courses.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Career Opportunities:**

Career examples include:

- chief executives
- chief sustainability officers
- general and operations managers
- logistics managers
- purchasing managers
- sales managers

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management

<https://thunderbird.asu.edu/degrees/graduate/master-global-management>

AZCT 800

admissions.tbird@asu.edu

602-496-7100

**Global Management (Global Health Care Delivery), MGM (TBGMGHDMGM)**

**Online Degree Search Title:** Global Management (Global Health Care Delivery), MGM

**Campus:** Downtown Phoenix

**Program Description:**

Students gain practical skills and hands-on experience in both global management and health care delivery. Due to the aging population of the U.S. and the world, many careers of the future will involve health care services, including health care management and delivery. The U.S. Bureau of Labor Statistics predicts that careers in the field of medical and health care management will grow 20% between 2016-2026. The Bureau also estimates the median annual wage for health care managers is almost twice that of the U.S. median, making these leadership positions not only lucrative but impactful.

This MGM concentration allows graduates to meet the growing need for skilled health care managers who possess a solid foundation of international business skills and a global mindset.

The Master of Global Management program with a concentration in global health care delivery is designed for current or aspiring executives and managers in health care who would like to hone their leadership and business skills to position themselves for careers leading health care organizations around the world. Some health care practitioners, such as nurses and doctors, may also use the degree as a way to move from clinical practice into management roles.

The concentration in global health care delivery addresses the current and future needs of the management workforce in the health care industry globally, including C-suite executives and administrators, health care providers (physicians, physician assistants, nurse practitioners and nurses), frontline staff (respiratory therapists, occupational therapists, physical therapists and dietitians) and students in medical disciplines. Students master core and advanced skills in designing systems, processes and mechanisms used to optimize health care delivery anywhere in the world. In addition, students integrate evidence-based financial principles geared toward improved individual and population health outcomes, such as leadership strategies in change management, for example.

This concentration is offered in collaboration with the College of Health Solutions. <https://chs.asu.edu/> (<https://chs.asu.edu/>)

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Technology), BA
- Business (Tourism), BA
- Business Data Analytics, BS
- Business Entrepreneurship, BS
- Economics, BS
- Finance, BS
- Global Health, BA
- Global Management, BGM
- History, BA
- Industrial Design, BSD
- International Trade, BS

Jewish Studies, BA  
Liberal Studies, BA  
Management, BS  
Marketing, BS  
Marketing (Digital and Integrated Marketing Communications), BS  
Marketing (Professional Sales), BS  
Microbiology, BS  
Philosophy, BA  
Philosophy (Morality, Politics and Law), BA  
Religious Studies (Religion, Culture and Public Life), BA  
Religious Studies (Religion, Politics and Global Affairs), BA  
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

HCD 502 Health Care Systems and Design (3)

HCD 520 Population Health (3)

HCD 521 Law and Health Promotion (3)

HCD 532 Health Care Management and Finance (3)

HCD 540 Process Engineering for Health Care Quality and Safety (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

For the concentration coursework, students choose four courses from the approved list for a total of 12 credit hours.

Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit

Proficiency in a second language is required for graduation from the MGM degree. Students whose native language is not English who meet the admission requirements for the MGM program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework as part of the program electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or



applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

#### Career Opportunities:

Career examples include:

- compliance managers
- management analysts
- medical and health services managers
- social and community service managers

#### Contact Information:

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate/master-global-management>  
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602-496-7100

## Global Management (Global Legal Studies), MGM (TBGMGLSMGM)

**Online Degree Search Title:** Global Management (Global Legal Studies), MGM

**Campus:** Downtown Phoenix

#### Program Description:

The concentration is designed for students with a desire to work in areas requiring knowledge of global legal issues but who may not want to be lawyers. Other students may use this concentration as an introduction to legal studies before pursuing law school. In this MGM program, students gain transdisciplinary global management and legal expertise that open doors in multiple sectors within organizations operating around the world. This concentration is offered in collaboration with the Sandra Day O'Connor College of Law: <https://law.asu.edu/> (<https://law.asu.edu/>).

The first step in understanding and applying laws is developing an understanding of basic legal principles and then using those principles to identify and analyze relevant legal issues. The foundational courses of the Master of Global Management with a concentration in global legal studies lead to mastery of the relevant legal principles while developing legal analysis skills, mainly through case briefings, such as identifying a particular case's legal issue, articulating the legal rule, discussing the court's analysis and concluding. These legal analysis skills are tested on final exams in the

foundational courses through hypothetical fact scenarios. Students gain and master the ability to understand legal principles --- the basis of legal analysis --- and to apply them in their field of interest.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Technology), BA
- Business (Tourism), BA
- Business Data Analytics, BS
- Business Entrepreneurship, BS
- Economics, BS
- Finance, BS
- Global Health, BA
- Global Management, BGM
- History, BA
- Industrial Design, BSD
- International Trade, BS
- Jewish Studies, BA
- Liberal Studies, BA
- Management, BS
- Marketing, BS
- Marketing (Digital and Integrated Marketing Communications), BS
- Marketing (Professional Sales), BS
- Microbiology, BS
- Philosophy, BA
- Philosophy (Morality, Politics and Law), BA
- Religious Studies (Religion, Culture and Public Life), BA
- Religious Studies (Religion, Politics and Global Affairs), BA
- Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

Electives (12 credit hours)

Other Requirements (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative

undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

### **Career Opportunities:**

Jobs in the legal professions are expected to grow 9% between 2020 and 2026 (Bureau of Labor Statistics 1). However, many legal firms are consolidating and outsourcing legal processing and support (Kane, 2018). As the demand for lawyers decreases, a converse increase in support services is expected (BLS 1). Similarly, nonlegal management careers increasingly require knowledge of the law. From human resources to procurement, professionals with strong foundational knowledge of global legal issues are in demand.

To meet this market need, Thunderbird has designed the global legal studies concentration within the Master of Global Management degree program.

The Master of Global Management program with a concentration in global legal studies is perfect for students who desire to work in public, private or nonprofit sector roles within an organization that operates around the world or has an international scope.

Career examples include:

- compensation and benefits managers
- compliance managers
- human resources managers
- intelligence analysts
- regulatory affairs managers
- urban and regional planners

### **Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate/master-global-management>  
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602-496-7100

## **Global Management (Integrated Health Care), MGM (TBGMIHCMGM)**

**Online Degree Search Title:** Global Management (Integrated Health Care), MGM

**Campus:** Downtown Phoenix

### **Program Description:**

The World Economic Forum reports that empathy and collaboration are two critical abilities for a global manager's success. These skills are equally critical for those seeking careers in integrated health care. Capacity for these key abilities relies on the development of social capital. This program is designed to develop social capital through field-based action learning, team-based projects and stretch assignments. Students become experts in building sustainable, trusting relationships --- the basis of social capital --- with others from diverse parts of the world by mastering intercultural empathy, the skill set to have an interpersonal impact and the business acumen to act with diplomacy.

#### **Delivering care with global reach**

The concentration in integrated health care is designed for current or aspiring managers in health care who would like to develop, implement, evaluate and sustain integrated care programs in diverse health care settings globally. Students gain perspectives on both global management and integrated health care in this program.

#### **Doing well by doing good with a specialized master's degree**

Students in this program master the ability to apply foundational business concepts and analytics of health care and integrated care to transform health care management practices. Students learn to leverage key aspects of health care systems, organizational cultures and populations, and workforce issues necessary to implement, evaluate and sustain integrated care delivery globally. Graduates position themselves to enter the workforce in leadership roles in which they can make a difference. Graduates achieve a demonstrated proficiency in cross-cultural leadership, interdisciplinary teamwork, change management and health care technologies, empowering them to develop innovative clinical, operational and financial strategies and techniques.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

Asia Studies (East Asia), BA  
Asia Studies (South Asia), BA  
Asia Studies (Southeast Asia), BA  
Biological Sciences, BS  
Biological Sciences (Biology and Society), BS  
Biological Sciences (Genetics, Cell and Developmental Biology), BS  
Biological Sciences (Neurobiology, Physiology and Behavior), BS  
Business (Business Administration), BA  
Business (Communication), BA  
Business (Food Industry Management), BA  
Business (Global Agribusiness), BA  
Business (Global Logistics Management), BA  
Business (Global Politics), BA  
Business (Health Care), BA  
Business (Information Security), BA  
Business (Language and Culture), BA  
Business (Law), BA  
Business (Public Service and Public Policy), BA  
Business (Sports Business), BA  
Business (Statistics), BA  
Business (Sustainability), BA  
Business (Technology), BA  
Business (Tourism), BA  
Business Data Analytics, BS  
Business Entrepreneurship, BS  
Economics, BS  
Finance, BS  
Global Health, BA  
Global Management, BGM  
History, BA  
Industrial Design, BSD  
International Trade, BS  
Liberal Studies, BA  
Management, BS  
Marketing, BS  
Marketing (Digital and Integrated Marketing Communications), BS  
Marketing (Professional Sales), BS  
Microbiology, BS  
Philosophy, BA  
Religious Studies (Religion, Politics and Global Affairs), BA  
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

IBC 520 Integrated Health: The Patient-Centered Medical Home (PCMH) (3)

IBC 540 Integrated Health Care Process Improvement (3)

IBC 550 Integrated Health Care Operations (3)

IBC 585 Team-Based Consultation and Leadership (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)  
TGM 586 Global Entrepreneurship and Sustainable Business (3)  
TGM 596 Thunderbird Personal Leadership Development (6)

Culminating Experience (1 credit hour)  
TGM 597 Thunderbird Integrative Experience (1)

Additional Curriculum Information  
Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree. Students whose native language is not English who meet the admission requirements for the MGM program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework as part of the program electives.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

### **Career Opportunities:**

Due to aging populations globally, many jobs of the future will involve health care services. The triple aim of improving patient experience of care, population health management and cost savings has made integrated health care very popular, with professionals in extremely high demand. The Bureau of Labor Statistics predicts that jobs in the area of medical and health care management will grow 20% between 2020 and 2026. The

bureau also estimates the median annual wage for health care managers at \$98,000, well above the U.S. median. In order to meet the growing need for integrated health care managers and executives, Thunderbird School of Global Management created the integrated health care concentration within the highly ranked MGM degree program in partnership with the College of Health Solutions.

Career examples include:

- compliance managers
- management analysts
- medical and health services managers
- sustainability specialists

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate/master-global-management>  
AZCT 800  
admissions.tbird@asu.edu  
602-496-7100

## Global Management (Nonprofit Leadership and Management ), MGM (TBGMNLMGM)

**Online Degree Search Title:** Global Management (Nonprofit Leadership and Management), MGM

**Campus:** Downtown Phoenix

**Program Description:**

Nonprofit organizations around the world are poised to meet the double-bottom line mentality of millennials. Thunderbird has created the nonprofit leadership and management concentration within the MGM degree program to prepare students for these impactful roles.

Because the lines between the functions of nonprofit and for-profit organizations are increasingly blurry, Thunderbird's renowned faculty has designed a curriculum that is cross-sectoral and transdisciplinary in nature, tailored for students aspiring to leadership roles in global nonprofit institutions in which they can leverage their business and global management expertise in their work.

This unique concentration in nonprofit leadership and management within the Master of Global Management program provides students with a deep understanding of the nonprofit sector's role in the global economy and with the knowledge and skills to lead and manage transnational nonprofit organizations. Offered in collaboration with ASU's Watts College of Public Service and Community Solutions <https://publicservice.asu.edu/> (<https://publicservice.asu.edu/>), students take courses in nonprofit leadership and management through Watts College. Students learn to evaluate and articulate the historical and philosophical context of nonprofit organizations in society, the theory and practice of philanthropy, while mastering cutting-edge financial management practices.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA

Business (Sports Business), BA  
Business (Statistics), BA  
Business (Sustainability), BA  
Business (Technology), BA  
Business (Tourism), BA  
Business Data Analytics, BS  
Business Entrepreneurship, BS  
Economics, BS  
Finance, BS  
Global Health, BA  
Global Management, BGM  
History, BA  
Industrial Design, BSD  
International Trade, BS  
Jewish Studies, BA  
Liberal Studies, BA  
Management, BS  
Marketing, BS  
Marketing (Digital and Integrated Marketing Communications), BS  
Marketing (Professional Sales), BS  
Microbiology, BS  
Philosophy, BA  
Philosophy (Morality, Politics and Law), BA  
Religious Studies (Religion, Culture and Public Life), BA  
Religious Studies (Religion, Politics and Global Affairs), BA  
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

NLM 510 The Nonprofit Sector (3)

NLM 520 Financial and Resource Management (3)

NLM 540 Strategic Human Resources Management (3)

NLM 570 International Non-Governmental Organizations (3)

Electives (12 credit hours)

Other Requirement (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an



oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Career Opportunities:**

In 2014, nonprofit organizations contributed \$977 billion to the U.S. economy (Gaddy, 2016). Similarly, nonprofit leadership and management jobs grew 6.4% from 2016 to 2017 (EMSI, 2018). Not surprisingly, today's graduates are demanding careers that both pay well and are purpose-driven (Field, 2017).

Career examples include:

- business continuity planners
- environmental restoration planners
- environmental economists
- regulatory affairs managers
- sustainability specialists
- social and community service managers
- urban and regional planners

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management

<https://thunderbird.asu.edu/degrees/graduate/master-global-management>

## Global Management (Public Administration), MGM (TBGMPAMGM)

**Online Degree Search Title:** Global Management (Public Administration), MGM

**Campus:** Downtown Phoenix

### Program Description:

New research is emphasizing that the millennial generation is increasingly motivated by values such as social justice and environmental stewardship and many graduates are looking for careers in the public and nonprofit sectors (Chamberlain, 2018). However, only 7% of federal employees are under the age of 30 (Curry, 2017). This mismatch between millennials' desire for meaningful work and their relatively low representation in the public sector highlights that many public administration programs are not meeting current market conditions. New programs are needed that integrate expert training in public administration with global management. To meet this new need, Thunderbird School of Global Management has created the public administration concentration in the highly ranked MGM degree program in collaboration with ASU's Watts College of Public Service and Community Solutions: <https://publicservice.asu.edu/> (<https://publicservice.asu.edu/>).

This concentration is intended for future leaders who want public service skills and experience as part of their global management repertoire and for students seeking roles within public institutions or roles that interact with those institutions, especially on matters where public policy overlaps with business or other global enterprises. The concentration in public administration is designed by Thunderbird's renowned faculty and allows students to take courses in public administration through Watts College of Public Service and Community Solutions.

Students earn a broad skill set and solid foundational understanding of public administration, leadership, management and policy analysis in service to the public good. This program prepares students for leadership roles in governmental and nonprofit organizations around the world.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Technology), BA
- Business (Tourism), BA
- Business Data Analytics, BS
- Business Entrepreneurship, BS
- Economics, BS
- Finance, BS
- Global Health, BA
- Global Management, BGM
- History, BA
- Industrial Design, BSD
- International Trade, BS

Jewish Studies, BA  
Liberal Studies, BA  
Management, BS  
Marketing, BS  
Marketing (Digital and Integrated Marketing Communications), BS  
Marketing (Professional Sales), BS  
Microbiology, BS  
Philosophy, BA  
Philosophy (Morality, Politics and Law), BA  
Religious Studies (Religion, Culture and Public Life), BA  
Religious Studies (Religion, Politics and Global Affairs), BA  
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

PAF 503 Public Affairs (3)

PAF 505 Public Policy Analysis (3)

PAF 506 Public Budgeting and Finance (3)

PAF 508 Organization Behavior (3)

Electives (12 credit hours)

Other Requirement (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

#### Career Opportunities:

Career examples include:

- business continuity planners
- intelligence analysts
- legislators
- political scientists
- regulatory affairs managers
- sustainability specialists
- social and community service managers

#### Contact Information:

Global Management, Thunderbird School of  
 Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate/master-global-management>  
 AZCT 800  
 admissions.tbird@asu.edu  
 602-496-7100

## Global Management (Public Policy), MGM (TBGMPPMGM)

**Online Degree Search Title:** Global Management (Public Policy), MGM

**Campus:** Downtown Phoenix

#### Program Description:

Careers in public policy are projected to grow 13% between 2020 and 2024 (Bureau of Labor Statistics). In addition, the nonprofit sector saw a 49% increase in paid wages from 2003 to 2013 (Gaddy, 2016). Together, the growth in jobs and wages suggests a latent demand for professionals trained in the nuances of public policy. To meet this market need, the Thunderbird School of Global management has designed the public policy concentration within the flagship MGM degree program.

The public policy concentration program is designed for students who would like to work in cross-sector roles within public and nonprofit institutions around the world. Other students may use this program as a springboard into jobs in the private sector that have significant overlap with public agencies. In short, graduates are prepared in both global management and public policy in order to meet the demands of an increasingly interwoven economy.

The Master of Global Management program with a concentration in public policy prepares students for careers as policy analysts and leaders in public service. Graduates are involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. Offered in collaboration with the Watts College of Public Service and Community Solutions <https://publicservice.asu.edu/> (<https://publicservice.asu.edu/>) at ASU, graduates are able to apply analytical techniques and conceptual frameworks to understand policy issues as well as to identify potential solutions to real-world challenges.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Tourism), BA
- Business Data Analytics, BS
- Business Entrepreneurship, BS
- Economics, BS
- Finance, BS
- Global Health, BA
- Global Management, BGM
- History, BA
- Industrial Design, BSD
- International Trade, BS
- Jewish Studies, BA
- Liberal Studies, BA
- Management, BS
- Marketing, BS
- Marketing (Digital and Integrated Marketing Communications), BS
- Marketing (Professional Sales), BS
- Microbiology, BS
- Philosophy, BA
- Philosophy (Morality, Politics and Law), BA
- Religious Studies (Religion, Culture and Public Life), BA
- Religious Studies (Religion, Politics and Global Affairs), BA
- Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

49 credit hours, a foreign language exam, including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

PAF 501 Public Service Research I (3)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

Electives (12 credit hours)

Other Requirement (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English and who meet the admission requirements for the program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

#### **Career Opportunities:**

Career examples include:

- business continuity planners
- intelligence analysts
- legislators
- political scientists
- regulatory affairs managers
- sustainability specialists
- social and community service managers

#### **Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate/master-global-management>  
AZCT 800  
admissions.tbird@asu.edu  
602-496-7100

## **Global Management (Sustainability Solutions), MGM (TBGMSSMGM)**

**Online Degree Search Title:** Global Management (Sustainability Solutions), MGM

**Campus:** Downtown Phoenix

#### **Program Description:**

Solutions for the planet and industry

The Thunderbird MGM program with a concentration in sustainability solutions prepares students for the professions of the future. In this concentration, students earn a degree that benefits their career and the planet. There is an accelerating demand for leaders with a global mindset who possess expertise in sustainability, understand how to apply its principles and technology in approaching problems, and know how to work with and draw from different disciplines to develop practical solutions to the world's most urgent sustainability challenges.

The World Economic Forum reports that empathy and collaboration are two critical abilities for global manager success. These are equally critical for those seeking careers in sustainability solutions. These abilities rely on the development of social capital. This program is designed to develop a student's social capital through field-based action learning, team-based projects and stretch assignments. Students have the ability to build sustainable trusting relationships --- the basis of social capital ---with others from diverse parts of the world by learning techniques and methods of developing intercultural empathy, the ability to have interpersonal impact, and to act with diplomacy when influencing others. This concentration is offered in collaboration with ASU's School of Sustainability.

Doing well by doing good with a specialized master's degree

Research shows that more than 40% of executives want to align their company's goals with sustainability principles. In the same survey, chief executive officers identified sustainability as a top priority (McKinsey, 2014). Governments are also increasingly recognizing the importance of sustainability. This has led the United Nations to outline sustainable development goals for 2030, an effort that many multinational corporations, nonprofit organizations and state entities have pledged to join. As sustainability gains more traction, knowledge and management expertise in this area will become increasingly attractive to employers. Thunderbird has designed the sustainability solutions concentration to prepare students for these new organizational norms and to capitalize on the need for expert leadership in this rapidly growing profession.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

Asia Studies (East Asia), BA  
Asia Studies (South Asia), BA  
Asia Studies (Southeast Asia), BA  
Biological Sciences, BS  
Biological Sciences (Biology and Society), BS  
Biological Sciences (Genetics, Cell and Developmental Biology), BS  
Biological Sciences (Neurobiology, Physiology and Behavior), BS  
Business (Business Administration), BA  
Business (Communication), BA  
Business (Food Industry Management), BA  
Business (Global Agribusiness), BA  
Business (Global Logistics Management), BA  
Business (Global Politics), BA  
Business (Health Care), BA  
Business (Information Security), BA  
Business (Language and Culture), BA  
Business (Law), BA  
Business (Public Service and Public Policy), BA  
Business (Sports Business), BA  
Business (Statistics), BA  
Business (Sustainability), BA  
Business (Technology), BA  
Business (Tourism), BA  
Business Data Analytics, BS  
Business Entrepreneurship, BS  
Economics, BS  
Finance, BS  
Global Health, BA  
Global Management, BGM  
History, BA  
Industrial Design, BSD  
International Trade, BS  
Jewish Studies, BA  
Liberal Studies, BA  
Management, BS  
Marketing, BS  
Marketing (Digital and Integrated Marketing Communications), BS  
Marketing (Professional Sales), BS  
Microbiology, BS  
Philosophy, BA  
Philosophy (Morality, Politics and Law), BA  
Religious Studies (Religion, Culture and Public Life), BA  
Religious Studies (Religion, Politics and Global Affairs), BA  
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours including a foreign language exam and capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

SOS 508 Pathways to Sustainability (3)

SOS 509 Leading Sustainability Transitions (3)

SOS 514 Human Dimensions of Sustainability (3)

SOS 545 Creating Sustainable Organizations (3)

SOS 548 Transformational Sustainability Entrepreneurship (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)



foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

For the concentration coursework, students choose four courses from the approved list for a total of 12 credit hours.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Career Opportunities:**

Career examples include:

- business continuity planners
- environmental economists
- environmental restoration planners
- quality control systems managers
- sustainability specialists
- urban and regional planners
- water resource specialists

**Contact Information:**

Global Management, Thunderbird School of

Thunderbird School of Global Management

<https://thunderbird.asu.edu/degrees/graduate/master-global-management>

AZCT 800

[admissions.tbird@asu.edu](mailto:admissions.tbird@asu.edu)

602-496-7100

## Global Management (Sustainable Tourism), MGM (TBGMSTMGM)

**Online Degree Search Title:** Global Management (Sustainable Tourism), MGM

**Campus:** Downtown Phoenix

**Program Description:**

Recent research indicates that 1 in 10 people are employed in a tourism-related job (World Economic Forum, 2017). Another study showed that travelers are more likely to visit places if there are sustainable practices in place (Mandala, 2017). In addition, governments are recognizing the importance of sustainability, leading the United Nations to outline sustainable development goals. As the tourism industry continues to adopt eco-tourism and sustainability practices, a new set of skills is needed.

Solutions for the planet and the tourism industry

Thunderbird's MGM program with a concentration in sustainable tourism prepares students for management and executive-level positions in the tourism industry globally. Offered in collaboration with ASU's Watts College of Public Service and Community Solutions (<https://publicservice.asu.edu/> (<https://publicservice.asu.edu/>)), Thunderbird's sustainable tourism concentration addresses the unique character of the sustainability revolution. The program prepares graduates to transform the sustainability practices of global enterprises in tourism development and management.

The program is designed for students interested in working in sustainable tourism, hospitality, travel and related fields. The concentration in sustainable tourism opens up a world of opportunities, allowing students to take courses in sustainable tourism from ASU's Watts College of Public Service and Community Solutions at the Downtown Phoenix campus, located in the heart of the state capital's thriving business district.

Students specialize in sustainable tourism management, mastering the principles and practices of successful sustainable development in the tourism field. Together, a diverse cohort learns to integrate economic, social and environmental aspects of sustainability as it relates to tourism; conduct sustainability audits for destinations and businesses; evaluate community impacts of tourism; innovate and evaluate sustainable tourism practices; and perform business planning and management. Students receive specialized, hands-on training in international business, cross-cultural relations, global political economy and regional business environments.

Graduates enter their profession ready to oversee initiatives in research, development, implementation, execution and evaluation of sustainable tourism plans for businesses and destinations. Graduates are prepared to enter today's complex and exciting global economy at the top of organizations that operate across borders. They join a global network of Thunderbird alumni who hold leadership positions in global organizations worldwide.

With their global mindset, future-ready core professional skills, mastery of management principles, and multicultural outlook, students are prepared to lead enterprises with a global scope. Potential employers include international tour operators as well as cities and venues around the world that attract guests from all over the globe.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

Asia Studies (East Asia), BA  
Asia Studies (South Asia), BA  
Asia Studies (Southeast Asia), BA  
Biological Sciences, BS  
Biological Sciences (Biology and Society), BS  
Biological Sciences (Genetics, Cell and Developmental Biology), BS  
Biological Sciences (Neurobiology, Physiology and Behavior), BS  
Business (Business Administration), BA  
Business (Communication), BA  
Business (Food Industry Management), BA  
Business (Global Agribusiness), BA  
Business (Global Logistics Management), BA  
Business (Global Politics), BA  
Business (Health Care), BA  
Business (Information Security), BA  
Business (Language and Culture), BA  
Business (Law), BA  
Business (Public Service and Public Policy), BA  
Business (Sports Business), BA  
Business (Statistics), BA  
Business (Sustainability), BA  
Business (Technology), BA  
Business (Tourism), BA  
Business Data Analytics, BS  
Business Entrepreneurship, BS  
Economics, BS  
Finance, BS  
Global Health, BA  
Global Management, BGM  
History, BA  
Industrial Design, BSD  
International Trade, BS  
Jewish Studies, BA  
Liberal Studies, BA  
Management, BS  
Marketing, BS  
Marketing (Digital and Integrated Marketing Communications), BS  
Marketing (Professional Sales), BS  
Microbiology, BS  
Philosophy, BA  
Philosophy (Morality, Politics and Law), BA  
Religious Studies (Religion, Culture and Public Life), BA  
Religious Studies (Religion, Politics and Global Affairs), BA  
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

49 credit hours including the required capstone course (TGM 597).

Required Core (3 credit hours)

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

CRD 569 Advanced Tourism and Recreation Studies (3)

TDM 520 Sustainable Thinking in Tourism I (3)

TDM 521 Sustainable Thinking in Tourism II (3)

TDM 540 Sustainable Food Management in Tourism (3)

TDM 570 Sustainable Tourism (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)

foreign language

TGM 515 Navigating Global and Regional Business Environments (3)

TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)

TGM 557 Global Marketing and Data Analytics (3)

TGM 586 Global Entrepreneurship and Sustainable Business (3)

TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)

TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information

For concentration coursework, students choose four courses from the approved list for a total of 12 credit hours.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework as part of the program electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive

an exception on a case-by-case basis.

**Career Opportunities:**

Career examples include:

- business continuity planners
- environmental economists
- environmental restoration planners
- quality control system managers
- sustainability specialists
- transportation managers
- urban and regional planners

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu/degrees/graduate/master-global-management>  
AZCT 800  
admissions.tbird@asu.edu  
602-496-7100

## Global Marketing (Certificate), Certificate (TBGMKTGRCT)

**Online Degree Search Title:** Global Marketing (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

Domestic marketing frameworks and tools are not sufficient in comparison to the global marketing framework that includes idiosyncrasies and complexities of the political, economic, legal, societal and cultural differences that exist in foreign markets.

The courses in Thunderbird's global marketing certificate program position students to thrive in multinational corporations and international organizations by equipping them with the knowledge of how and why customers make decisions. Students learn how to leverage branding across all channels to create value and to use the abundance of data available in today's market for cutting-edge business analytics. Courses emphasize the experiential approach to learning, using case studies featuring companies from around the globe with different cultures and complex legal environments.

Students learn to understand the critical, nuanced differences that managers need to recognize when conducting business across borders, and they examine how customer decision-making and how branding, business analytics, negotiation, channels and distribution, sales force management, product development and strategic services marketing are playing out in the international arena.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

TGM 553 Global Customer Decision Making (3)

TGM 554 Global Marketing Research (3)

Electives (9 credit hours)

Additional Curriculum Information

Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants must have taken TGM 551 Global Marketing Strategy and TGM 552 Global Marketing Management, or TGM 503 Global Marketing, or a three credit hour, 500-level graduate course with a minimum grade of "B" (scale is 4.00 = "A") or its equivalent. Coursework must be from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business, European Quality Improvement System, Association of MBAs or other institutions with approval from the academic unit.

#### **Career Opportunities:**

Graduates who have combined the certificate in global marketing with their major program of study may become more marketable to employers. They often decide to pursue employment in product marketing, social media or market research areas.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

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<https://thunderbird.asu.edu>  
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## **Global Trade and Commerce (Certificate), Certificate (TBGTCMGRCT)**

**Online Degree Search Title:** Global Trade and Commerce (Graduate Certificate)

**Campus:** Downtown Phoenix

#### **Program Description:**

The coursework for Thunderbird's graduate certificate in global trade and commerce is tightly integrated and offers comprehensive coverage of core topics in cross-border business and the exchange of goods. Students gain a strong understanding of how companies leverage their global value chains to achieve competitive advantage.

The school's innovative and practical curriculum (with a strong core of global business management skills, international political economy and cross-cultural training) is delivered through a transdisciplinary approach. Students learn best practices through interaction with faculty engaged in broad-based research and consulting.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

#### **Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

SCM 541 Logistics in the Supply Chain (3)

TGM 537 State Power, Business Interests and Multinational Trade Agreements (3)

Electives (9 credit hours)

Additional Curriculum Information

Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa will first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Applicants must have taken TGM 505 States and Markets in a Global Economy with a minimum grade of "B" (scale is 4.00 = "A") or its equivalent from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business, European Quality Improvement System or Association of MBAs, or other institutions with approval from the academic unit.

**Career Opportunities:**

Graduates who combined the certificate in global trade and commerce with their major program of study may be more marketable to employers. They often decide to pursue employment in import or export organizations, or government agencies.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

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## Health Solutions, College of

### Audiology, AuD (LAAUDAUD)

**Online Degree Search Title:** Audiology, AuD

**Campus:** Tempe

**Program Description:**

The three-year course of study for the AuD degree consists of basic science coursework, professional knowledge coursework and clinical practicum experiences. Full-time commitment is critical because graduate courses are offered once per academic year. In addition, course content and the sequence of courses are closely tied to clinical practicum assignments. Moreover, full-time enrollment assures timely completion of the program. Students who complete the Doctor of Audiology degree find rewarding careers in hospitals, physician's offices, audiology clinics, school districts and industry.

Students have the option of graduating after the completion of the three-year program of study or enrolling in a clinical externship during their fourth year for up to an additional three credit hours of clinical training. A minimum of 850 hours of clinical training is obtained during the first three years of training. Additional practicum hours toward the 1,280 hours required for the Certificate of Clinical Competence in Audiology, also known as CCC-A, by the American Speech-Language-Hearing Association can be met during completion of the fourth year externship under the supervision of an

ASHA-certified audiologist. The remaining clinical clock hours for ASHA certification can also be met after graduation. However students should be aware of state licensure requirements when making the determination of whether or not to complete an externship.

### **Degree Requirements:**

88 credit hours and a written comprehensive exam.

#### Required Core (58 credit hours)

SHS 502 Basic Audiometry (4)

SHS 504 Amplification I (4)

SHS 505 Sign Language for Audiologists and Speech Pathologists (2)

SHS 508 Pediatric Audiology (3)

SHS 510 Amplification II (3)

SHS 511 Auditory Perception by the Hearing Impaired (3)

SHS 513 Neurophysiology of the Auditory System (3)

SHS 516 Auditory Evoked Potentials (4)

SHS 517 Balance Assessment (4)

SHS 518 Auditory Rehabilitation (3)

SHS 520 Auditory Pathologies/Disorders and Otoneurologic Applications (4)

SHS 522 Tinnitus/Advanced Audiometry (3)

SHS 523 Central Auditory Processing Disorders (4)

SHS 524 Counseling in Communication Disorders (2)

SHS 525 Audiology Practice Management (3)

SHS 526 Launch to Clinical Methods in Audiology (1)

SHS 552 Physiological Measures of Auditory Function (4)

SHS 555 Cochlear Implants (4)

#### Other Requirements (27-30 credit hours)

SHS 500 Research Methods (3)

SHS 580 Clinical Practicum (8)

SHS 584 Clinical Internship (12)

SHS 589 Audiology Grand Rounds (4)

SHS 590 Reading and Conference (Audiology Clerkship) (0-3)

American Speech-Language-Hearing Association Praxis national certification examination in audiology (0)

#### Electives and Research (3 credit hours)

#### Culminating Experience

written and oral comprehensive exam

#### Additional Curriculum Information

Students have the option to continue enrollment in SHS 590 at one credit per semester for up to three semesters to complete the externship requirements of the ASHA certification. These extra hours of clinical experience allow students to apply for ASHA certification upon graduation or for state licensure for certain states. Students should maintain continuous enrollment and not apply for graduation until they have completed the additional clinical hours for the certification.

Since certification and licensure requirements vary by profession and from state to state, the College of Health Solutions recommends students visit the ASU licensure website at <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>) to determine if their program meets the requirements of individual state licensures or national certifications, as applicable. The decision to complete an externship or not is an individual decision based on career objectives and desired state of licensure among other factors.

In addition to the Graduate College requirements, eligibility for graduation is based upon the following:

#### Formative Exam (Year 1)

Students must pass a formative exam given at the end of the first academic year of the program. This is a 100-question, multiple-choice test covering the content of the courses taken during the fall and spring semesters. Students receiving scores of less than 70% are given one opportunity to retake the exam.

#### Summative Exam (Year 3)

Students must pass a summative exam in the fall of the third academic year of the program. This is a comprehensive written and oral exam pertaining to clinical case diagnosis and management. One retake is allowed if the student does not pass on the initial attempt.

#### National Certification Exam (Praxis)

All students pursuing the Doctor of Audiology degree must pass the praxis examination in audiology as a graduation requirement. There are no



credit hours tied to it. The praxis exam result must be sent directly from the Education Testing Service to the ASU audiology program office in order to process the graduation approval.

#### Clinical Clock Hours

Students must successfully complete 850 hours of supervised clinical clock hours as accrued between on-campus clinic, off-campus internship sites and possible simulation opportunities.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in speech and hearing science or another related discipline from a regionally accredited institution. Applicants with degrees in related fields, such as nursing, education and any of the biological sciences, may apply, although they may be admitted as leveling students and must complete at least one year of prerequisite courses in speech and hearing science at the undergraduate level.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Admission is a two-stage process involving a review of the application materials and a required online video submission. Applicants meeting the first-stage admission criteria are notified and invited to provide additional information to complete the second stage of the admissions process. All other applicants are denied admission. In lieu of an on-campus interview, invited applicants who wish to continue the application process must provide a seven- to 10-minute video introducing themselves and answering several questions from the admission committee. The same questions are given to all applicants along with instructions about format and submission. Applicants who do not submit a video are denied admission. The committee makes final decisions regarding admission from the videos received. Space is available in the program for 15 students. Invitations for a video submission are sent by the beginning of February with a deadline for submission in mid-February.

The personal statement should not exceed 300 words and should describe the reasons for pursuing graduate study in audiology; successful applicants submit statements that are free of grammatical errors and demonstrate proficiency in written communication.

Letters of recommendation should outline the applicant's potential success for graduate-level coursework. Letters from faculty members are most useful. A standard form is not used; letters should be submitted on letterhead from the recommender's institution.

#### Career Opportunities:

A career as an audiologist offers fulfilling work with an exceptional work-life balance. Careers associated with a doctoral degree in audiology and areas of specialization include:

- audiologist
- research audiologist
- educational audiologist
- vestibular audiologist
- cochlear implant audiologist
- pediatric audiologist
- intraoperative monitoring
- manufacturer representative
- industry representative
- cochlear implant manufacturer representative
- hearing aid manufacturer representative

#### Contact Information:

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## Auditory and Language Neuroscience, MS (NHALNEUMS)

**Online Degree Search Title:** Auditory and Language Neuroscience, MS

**Campus:** Tempe

### Program Description:

The MS program in auditory and language neuroscience trains scholars in basic and applied research in the fields of auditory and language neuroscience to prepare them for doctoral-level graduate studies as well as for positions in science, health care and industry.

In addition to innovative coursework in neuroscience, this program also includes hands-on training in instrumentation such as neuroimaging, neurophysiology and clinical research applications. Students develop a strong foundation that enables them to conduct impactful neuroscience research related to auditory and language processing and human communication.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Speech and Hearing Science, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

31 credit hours including a thesis, or 31 credit hours including an applied project course (SHS 593).

Required Core (6 credit hours)

SHS 541 Data Analysis in Auditory and Language Neuroscience (3)

SHS 542 Applied Research Methods in Auditory and Language Neuroscience (3)

Restricted Electives (12 credit hours)

Research (6 credit hours)

SHS 592 Research (6)

Other Requirement (1 credit hours)

SHS 590 Reading and Conference (1)

Culminating Experience (6 credit hours)

SHS 593 Applied Project (6) or

SHS 599 Thesis (6)

Additional Curriculum Information

For restricted electives, students should see the academic unit for an approved course list.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited college or university.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent or written statement
- professional resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

In the letter of intent or written statement, applicants should indicate potential research mentors with whom they are interested in working. Letters of recommendation preferably are written by instructors, research mentors or clinical supervisors who can speak to the applicant's aptitude for research and master's-level coursework.

#### Career Opportunities:

Graduates have acquired the experience with clinical and medical applications of their neuroscience-related expertise and the skills gained in lab rotations that give them increased marketability and enable them to be competitive for jobs in technology or further doctoral level training.

In the tech field, there has been significant interest in the areas of deep learning and artificial intelligence for speech. These fields rely on computational models of speech perception and production to perform automated tasks such as speech and speaker recognition.

Employment opportunities for graduates include team settings in clinical research centers and hospitals; with manufacturers of hearing aids, cochlear implants and EEG systems or augmentative and alternative communication applications; and with software development companies working with speech recognition programs and brain-computer interfaces.

Career examples include:

- data analyst
- educator
- laboratory technician or manager
- product developer
- public relations specialist or spokesperson for a research institute or device manufacturer
- research scientist

#### Contact Information:

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## Behavioral Health, DBH (LSBEVHEDBH)

**Online Degree Search Title:** Behavioral Health, DBH

**Campus:** Online

ASU is not currently accepting applications for this program. Applicants interested in the Doctor of Behavioral Health program should apply directly to the clinical or management concentrations.

#### Program Description:

The DBH is an innovative and interdisciplinary applied program designed to upgrade master's degree-level professionals, preparing them to become experts in the emerging field of integrated behavioral care.

Integrated care is the holistic treatment of both medical and behavioral conditions. When undetected and untreated, whether in primary care or other medical settings, the results are poor clinical outcomes and increased medical costs related to overuse of medical services. A key recommendation in health care reform is improved integration of medical and behavioral care in order to both improve health outcomes as well as decrease health care costs.

The doctoral curriculum is explicitly focused on graduating experts who can both speak the language of evidence-based clinical interventions and the perform cost savings and return on investment analyses that are in high demand in new models of accountable care delivery. Traditional doctoral training does not prepare clinicians or managers with the interdisciplinary knowledge required to meet these new demands in the health care marketplace. This program reflects a paradigm shift to a curriculum based on business entrepreneurship skills, such as business plans, marketing and returns on investment specific to health care; evidence-based behavioral interventions for primary care that are efficient and contribute to cost savings by reducing unnecessary medical care services and costs; health care systems policies, economics and finance that respond to emerging opportunities in health care reform; and medical literacy, to understand common medical conditions seen in primary care and consult effectively with the medical team.

The curriculum is unique in that it incorporates internship experience in primary care or similar medical settings, and it integrates clinical and

professional affiliated faculty as well as faculty associates who are experts and are directly employed in health care environments in the area that they are teaching. It is a flexible, online degree program that enables students to select a program of study ranging from part-time to full-time attendance, and it is available through ASU Online as a distance-learning program. The program offers either a clinical track for licensed clinicians or a management track for health care managers and leaders, and it replaces the dissertation with a culminating research project that combines an applied research study with a business plan.

Internship experiences are arranged with local site liaisons, and students meet in small groups with a doctoral consultant who leads case reviews and studies. Rural health and experiences with disadvantaged and multicultural populations are encouraged.

Graduates of the program contribute to a societal transformation by leading to improved access to behavioral care, integration of a behavioral provider on the medical team, improved patient outcome and satisfaction and decreased cost of care.

#### **Degree Requirements:**

84 credit hours including the required applied project course (IBC 793).

Required Core (18 credit hours)

HCD 501 Biostatistics and Data Management (3)

IBC 586 Behavioral Health Professional Writing Style (3)

IBC 611 Population-Based Health Management (3)

IBC 614 Quality and Performance Measurement, Improvement, and Incentives (3)

IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)

IBC 720 Behavioral Health Entrepreneurship (3)

Electives (57 credit hours)

Other Requirement (3 credit hours)

IBC 684 Internship (3)

Culminating Experience (6 credit hours)

IBC 793 Applied Project (6)

Additional Curriculum Information

In order to use the 30 credits from a previously awarded master's degree, applicants must possess a bachelor's degree and master's degree from a regionally accredited postsecondary institution in the US or an equivalent degree from an recognized international postsecondary institution.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (on a 4.00 scale) in the applicable master's degree.

All applicants must submit an online graduate admission application. Applicants should see specific concentrations for the items that must be submitted.

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must meet university and degree program English proficiency requirements.

In order to use the 30 credits from a previous master's degree, applicants must possess a bachelor's degree and a master's degree from a regionally accredited postsecondary institution in the U.S. or an equivalent degree from a recognized international postsecondary institution.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

#### **Contact Information:**

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College of Health Solutions

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## Behavioral Health (Clinical), DBH (NHBVHCDBH)

**Online Degree Search Title:** Behavioral Health (Clinical), DBH

**Campus:** Online

### Program Description:

The DBH is a global, interdisciplinary degree program that offers an innovative curriculum, a hands-on internship in primary care, and an applied research project for domestic and international students.

Clinical concentration students learn how to create evidence-based practices that are tailored to fit the needs of the local community, patient population and health care system. Students are prepared to anticipate trends in health care policy and to leverage their expertise in clinical practice, quality of care, population health and health care costs to thrive in the evolving health care marketplace.

The curriculum addresses the problem of poor health outcomes, barriers to patient access, and rising costs by preparing students to achieve the Quadruple Aim in health care: improved patient experience of care, population health management, cost savings and improved team satisfaction. Students learn how to improve the patient experience of care with evidence-based behavioral interventions to address behavioral problems such as depression, anxiety and trauma; lifestyle habits such as smoking, risky alcohol and drug use, poor nutrition, lack of physical activity, and medication non-adherence. Students master population health approaches in patient engagement, stratification, stepped care and treatment designed to target integrated health care outcomes. Students learn to demonstrate cost savings and return on investment by developing the business case for integrated care. The student learning experience includes easy access to online articles, videos and websites, weekly live webinars with faculty experienced in the field, live peer student webinars, and written assignments that parallel the writing used for clinical and business proposals in the real world.

In the culminating project, students use the quality improvement model to solve key problems in primary care. Examples include how to improve organizational processes and integrated care clinical outcomes, efficient use of resources, and how to decrease provider stress and burnout.

The internship program is hands-on in a local primary care clinic with in-person consultation by a licensed Doctor of Behavioral Health faculty member in small group webinar format. Students also have a site mentor focus on clinical performance metrics common in the patient-centered medical home and accountable care organization approaches to primary care.

Students may join special research projects or have the opportunity for a semester of study abroad. The faculty are seasoned professionals and content experts representing clinical practice, management and applied research in integrated care.

### Degree Requirements:

84 credit hours including the required applied project course (IBC 793).

#### Required Core (18 credit hours)

- HCD 501 Biostatistics and Data Management (3)
- IBC 586 Behavioral Health Professional Writing Style (3)
- IBC 611 Population-Based Health Management (3)
- IBC 614 Quality and Performance Measurement, Improvement, and Incentives (3)
- IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)
- IBC 720 Behavioral Health Entrepreneurship (3)

#### Concentration (15 credit hours)

- IBC 601 Models of Integrated Primary Care (3)
- IBC 603 Brief Interventions in Primary Care (3)
- IBC 604 Clinical Medicine/Pathopharmacology for the Behavioral Care Provider (3)
- IBC 609 Clinical Neuropathophysiology (3)

#### Electives or Research (39 credit hours)

#### Other Requirement (6 credit hours)

- IBC 684 Internship (6)

#### Culminating Experience (6 credit hours)

- IBC 793 Applied Project (6)

#### Additional Curriculum Information

The program may allow up to 30 credit hours from a previously awarded master's degree or other courses approved by the supervisory  
Academic Catalog Archive 2021-2022

committee with Graduate College approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (on a 4.00 scale) in the applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- copy of the applicant's license or license eligibility
- one professional letter of recommendation
- updated curriculum vitae or resume
- program policies acknowledgements
- video or webcam admission interview (if indicated)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants with master's degrees in counseling, family therapy, nursing, occupational health and social work, among others, are encouraged to apply. Applicants must be master's degree-level professionals who are either currently employed or aspire to be employed in a clinical capacity within integrated health care.

Licensed and license-eligible are terms defining a license to practice issued by a state licensing board (e.g., Arizona Board of Behavioral Health Examiners, Arizona Board of Occupational Therapy Examiners, etc.). Examples include license-eligible master's degree-level behavioral clinician, licensed master's degree-level behavioral clinician, and master's degree-level licensed medical or ancillary health care provider (nurse, dietitian, occupational therapist).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/doctor-behavioral-health-clinical/>)

**Career Opportunities:**

Graduates of the clinical concentration program have the skills to move into clinical leadership and management positions across health care settings. They are well prepared to develop and manage programs related to integrated behavioral health care.

Potential job titles include:

- behavioral health provider, consultant or specialist in primary care and other medical settings
- CEO of integrated care
- clinical team manager
- director of clinical services or operations
- health and wellness manager
- integrated care clinical provider
- integrated care manager or consultant
- integrated health care manager or specialist
- wellness program administrator

**Contact Information:**

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## Behavioral Health (Management), DBH (NHBVHMDBH)

**Online Degree Search Title:** Behavioral Health (Management), DBH

**Campus:** Online

### Program Description:

Integrated health care is the team-based, coordinated treatment of medical, lifestyle and behavioral conditions.

The DBH program with a management concentration addresses a wide range of behavioral health issues impacting at-risk populations including lifestyle, mental health, substance abuse, social determinants of health and health disparities. The curriculum focuses on integrated health management in primary care, especially in the patient-centered medical home and accountable care organization models. Integrated care is an excellent fit for other settings such as hospitals, emergency departments, specialty care, health plans, workplace wellness, educational and traditional mental health, and substance-use disorder treatment settings called bidirectional integration. The Doctor of Behavioral Health is a global, interdisciplinary program, with a curriculum that enables both domestic and international students to tailor learned innovative management practices to local health system geography, culture and policy.

The unique curriculum focuses on three areas: integrated behavioral health program design, quality and performance measurement, and business entrepreneurship. Graduates of the management concentration are positioned to achieve the Quadruple Aim in health care: improved patient experience of care, population health management, cost-savings and improved health care team experience. The curriculum emphasizes direct management or administration within medical settings, improving quality of care through population health management, and building and sustaining integrated care programs. The curriculum includes emerging health technologies such as integrated health measures in electronic health records, mobile health applications and wearable technology to facilitate and assist with tracking health behavior change, big data and analytics.

Behavioral health doctoral graduates are expected to apply entrepreneurship concepts and skills to promote integrated health programs with key stakeholders, such as medical directors and chief executive officers. Graduates of the management concentration choose careers such as integrated care practice managers and choose leadership positions in integrated care delivery systems, health plans and managed care organizations, as well as integrated care industry consultants.

### Degree Requirements:

84 credit hours including the required applied project course (IBC 793).

#### Required Core (18 credit hours)

- HCD 501 Biostatistics and Data Management (3)
- IBC 586 Behavioral Health Professional Writing Style (3)
- IBC 611 Population-Based Health Management (3)
- IBC 614 Quality and Performance Measurement, Improvement, and Incentives (3)
- IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)
- IBC 720 Behavioral Health Entrepreneurship (3)

#### Concentration (18 credit hours)

- HCD 602 Health Informatics for Healthcare Professionals (3)
- IBC 601 Models of Integrated Primary Care (3)
- IBC 626 Behavioral Health Management (3)
- IBC 630 Financial Management of Health Care (3)
- IBC 660 Healthcare Legal, Ethical, and Professional Issues (3)
- IBC 740 Integrated Behavioral Interventions, Cost Savings, Medical Cost Offset and Return on Investment (3)

#### Electives or Research (39 credit hours)

#### Other Requirement (3 credit hours)

- IBC 684 Internship (3)

#### Culminating Experience (6 credit hours)

- IBC 793 Applied Project (6)

#### Additional Curriculum Information

The program may allow up to 30 credit hours from a previously awarded master's degree or other courses approved by the supervisory committee with Graduate College approval.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (on a 4.00 scale) in the applicable master's degree.

All applicants must submit:

- graduate admission application
- official transcripts
- personal statement
- one professional letter of recommendation
- updated curriculum vitae or resume
- program policies acknowledgements
- video or webcam admissions interview (if indicated)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants with master's degrees in business administration, public health, nursing, counseling, behavioral health, health care administration and social work, among others, are encouraged to apply. Applicants must be master's degree-level professionals who are either currently employed or aspire to be employed in a clinical capacity within integrated health care.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/doctor-behavioral-health-management/>)

#### **Career Opportunities:**

Graduates of the management concentration in the Doctor of Behavioral Health program have the organizational understanding and management skills required to move into leadership and management positions across health care settings. They are well prepared to develop and manage programs related to integrated behavioral health care.

Note: This program does not prepare non-clinicians for clinical practice.

Potential job titles include:

- behavioral health staff coordinator
- CEO or director of integrated care
- director of physician relations
- health and wellness manager
- integrated care manager
- member services manager
- operational care manager or team leader
- practice managers and facilitators
- quality improvement manager
- wellness program administrator

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## **Biomedical Diagnostics, MS (NHBMDMS)**

**Online Degree Search Title:** Biomedical Diagnostics, MS

**Campus:** Online

#### **Program Description:**

The MS program in biomedical diagnostics can be completed in one year, if enrolled full-time. The flexible, innovative degree program is offered in condensed sessions through ASU's unique online framework.

Four areas provide the progressing foundation of the degree program:



- science of diagnostics
- technology of diagnostics
- business of diagnostics
- application of diagnostics

Students complete a culminating experience in which they work on a team-based project with an ASU professor and industry partner on a topic relevant to the diagnostics field.

#### **Degree Requirements:**

30 credit hours including an applied project (BMD 593).

Required Core (19 credit hours)

BMD 502 Foundations of Biomedical Informatics Methods I (3)

BMD 510 Current Perspectives in Biomedical Diagnostics (3)

BMD 511 Health Economics, Policy and Payment Models (3)

BMD 513 Principles of Diagnostic Technology: Immunoassays (4)

BMD 514 Principles of Diagnostic Technology: Molecular Diagnostics (3)

BMD 667 Regulation of Medical Diagnostics (3)

Electives (6 credit hours)

Research (2 credit hours)

BMD 592 Research (2)

Culminating Experience (3 credit hours)

BMD 593 Applied Project (3)

Additional Curricular Information

Students should see the academic unit for an approved elective list of BMD courses. Note that BMD 592 and BMD 593 are contiguous courses and cannot be taken in different years.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university in one of the following fields, or a closely related field: biomedical informatics, biology, life sciences, chemistry, biochemistry, engineering, biomedical engineering, business, computer science, supply chain management, health sciences or medical studies.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- statement of purpose
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Graduate College requirement <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Admission examinations are not required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-biomedical-diagnostics/>)

#### **Career Opportunities:**

Professional opportunities are quite broad and depend on the individual's educational and work backgrounds, as well as the personal interests of

the student. Graduates can pursue diverse options such as executive leadership or entrance to medical school. The following career examples are just a small portion of the possibilities:

- clinical laboratory technologist
- clinical research coordinator
- clinical laboratory management
- research analyst
- sales representative
- product manager
- account manager
- marketing manager
- quality analyst

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## Biomedical Informatics, MS (ESBIOINFMS)

**Online Degree Search Title:** Biomedical Informatics, MS

**Campus:** Tempe

**Program Description:**

The MS in biomedical informatics offers students the opportunity to become professionals who use biomedical data, information and knowledge to improve human health.

Students in the master's program learn problem-solving, theory and the methodologies underlying the field of biomedical informatics. They take courses in areas such as knowledge representation, clinical environments, imaging, bioinformatics and data science. Core courses provide a background in clinical informatics, while electives allow specialization in focus areas such as data science or mobile health.

Biomedical informatics fosters collaborations among academic researchers, clinical practitioners and regional health care providers to apply new developments in informatics theory to clinical practice. The program educates students in the informatics knowledge and skills that will enable them to:

- detect disease early
- improve the patient hospital experience
- improve the precision of diagnosis
- improve the quality of patient health care and reduce its cost
- minimize hospital visits

Biomedical informatics has a key role to play in the transition to more effective and efficient health care through the use of knowledge and information technology.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biomedical Informatics, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

32 credit hours including an applied project (BMI 593).

Required Core (17 credit hours)

BMI 502 Foundations of Biomedical Informatics Methods I (3)

BMI 505 Foundations of Biomedical Informatics Methods II (3)

BMI 515 Applied Biostatistics in Medicine and Informatics (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 570 BMI Symposium (2)

BMI 601 Fundamentals of Health Informatics (3)

Other Requirements (3 credit hours)

BMI 404 Clinical Environments (3) or

BMI 504 Introduction to Clinical Environments (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)

BMI 593 Applied Project (3)

Additional Curriculum Information

Six credit hours of electives must be BMI courses.

BMI 404 or 504 is required and may be substituted with other coursework with approval of the academic unit.

Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some coursework in preparation. However, all students take 32 credit hours of graduate-level coursework.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology, computer science, engineering, nursing or statistics from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency via TOEFL scores regardless of current residency.

Applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds also will be considered. However, all applicants must have basic competencies in college-level calculus (similar to MAT 270), general biology (similar to BIO 188) or physiology, statistics (similar to STP 226) and basic computer programming (similar to CSE 100 or CSE 110).

The applicant's undergraduate GPA, statement of purpose and depth of preparation in their field are the primary factors affecting admission. Every applicant must submit scores for the GRE or any other graduate-level entry examination.

### **Career Opportunities:**

Professionals with advanced training in biomedical informatics are in high demand across a variety of sectors and industries, including academics institutions, not-for-profit research institutes, governmental and public health agencies, health care organizations, as well as information technology, biotech and pharmaceutical industries. Graduates can also pursue entrance to medical school.

Career examples include:

- research scientist
- data scientist
- analyst
- product manager
- account manager

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## Biomedical Informatics, PHD (ESBMIPHD)

**Online Degree Search Title:** Biomedical Informatics, PhD

**Campus:** Tempe

### Program Description:

The PhD program in biomedical informatics allows students to develop expertise in areas such as bioinformatics, clinical informatics, population health management and imaging science. The BMI program fosters collaborations among academic researchers, clinical practitioners and regional health care providers to apply new developments in informatics theory to clinical practice, biomedical research and public health.

Additional specialization coursework in an area of focus and emphasis on independent research places students at the leading edge of the field. Strong collaborative relationships with a variety of health care organizations, the bioscience industry and governmental agencies provide an unparalleled opportunity for doctoral students to explore and contribute to advances in informatics for biomedical research, patient care and population health. Students may explore cross-cutting areas such as data science and knowledge representation.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

#### Required Core (22 credit hours)

BMI 502 Foundations of Biomedical Informatics Methods I (3)

BMI 504 Introduction to Clinical Environments (3)

BMI 505 Foundations of Biomedical Informatics Methods II (3)

BMI 515 Applied Biostatistics in Medicine and Informatics (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 560 Teaching in Biomedical Informatics (2)

BMI 570 Symposium (2)

BMI 601 Fundamentals of Health Informatics (3)

#### Electives (32 credit hours)

#### Research (18 credit hours)

BMI 792 Research (18)

#### Culminating Experience (12 credit hours)

BMI 799 Dissertation (12)

#### Additional Curriculum Information

Due to the diverse academic backgrounds of students requesting admission into this program, many find it necessary to take some coursework in preparation. However, all students take 84 credit hours of approved graduate-level coursework.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- 3 letters of recommendation
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Scores for the TOEFL for applicants whose native language is not English is required.

An applicant should have earned a bachelor's degree in biology, computer science, engineering or statistics, or be trained as a postbaccalaureate health professional in medicine, nursing or pharmacy. Those who have earned degrees in other unrelated fields with appropriate academic backgrounds are also considered. However, all applicants must have basic competencies in anatomy and physiology, college calculus, computer programming, general biology and statistics.

The applicant's undergraduate GPA, statement of purpose, GRE scores (verbal, quantitative and analytical are required; the subject test is optional) and depth of preparation in their field are the primary factors affecting admission.

#### **Career Opportunities:**

Professionals with advanced training in biomedical informatics are in high demand across a variety of sectors and industries, including academics institutions, not-for-profit research institutes, governmental and public health agencies, health care organizations, as well as information technology, biotech and pharmaceutical industries.

Career examples include:

- bioinformatics scientist
- biostatistician
- data scientist
- deep learning engineer
- public health informatics scientist
- research scientist
- senior analyst
- software engineer
- university faculty

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## **Clinical Exercise Physiology, MS (NHCEPMS)**

**Online Degree Search Title:** Clinical Exercise Physiology, MS

**Campus:** Downtown Phoenix

#### **Program Description:**

The MS in clinical exercise physiology degree program prepares students for careers as clinical exercise physiologists.

Students learn how to use primary and secondary prevention strategies to improve, maintain or attenuate declines in fitness and health in populations ranging from children to older adults. They learn to collaborate with medical professionals to guide exercise and rehabilitation programs for at-risk clients and clients with chronic diseases.

The American College of Sports Medicine is the national association responsible for establishing guidelines and recommendations for exercise testing, prescription and evaluation of research for both healthy populations and those with chronic disease. The ACSM certification is deemed the organization's most prestigious credential for clinical professionals with a master's degree and 600 hours of hands-on clinical experience. This program provides the knowledge, clinical experience and skills needed by individuals preparing for successful completion of the registration examination for the registered clinical exercise physiologist certification.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Exercise and Wellness, BS
- Kinesiology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

32 credit hours and a written comprehensive exam, or 32 credit hours, a thesis, a written comprehensive exam and an oral comprehensive exam.

Required Core (21 credit hours)

EXW 501 Research Statistics (3)

EXW 535 Advanced Exercise Assessment and Prescription (3)

EXW 542 Health Promotion (3)

EXW 560 Cardiopulmonary Rehabilitation (3)

EXW 565 Cardiovascular and Pulmonary Physiology (3)

EXW 568 Management and Treatment of Chronic Disease for the Clinical Exercise Physiologist (3)

KIN 547 ECG Interpretation (3)

Electives (2 credit hours)

EXW 591 Seminar (2)

Other Requirement (3 or 9 credit hours)

EXW 500 Research Methods (3), or

EXW 515 Advanced Exercise Physiology (3) and EXW 584 Clinical Exercise Physiology Internship (6)

Culminating Experience (0-6 credit hours)

written comprehensive exam, or

EXW 599 Thesis (6)

Additional Curriculum Information

Students take EXW 591 in two terms for one credit hour each.

This program has a thesis option or a non-thesis option. Students in the thesis option must take EXW 500 Research Methods. Students selecting the non-thesis option must complete a clinical internship of six credit hours EXW 584 Clinical Exercise Physiology and take EXW 515 Advanced Exercise Physiology.

All students must pass a written comprehensive exam. Thesis students must also pass an oral comprehensive exam.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in exercise science, exercise physiology, kinesiology or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A foreign language exam is not required.

One letter of recommendation must be submitted by an academic reference from major coursework. All qualified applicants are admitted providing they have met all requirements for admission. Admission is not limited to any target number of students unless enrollment exceeds the projected capacity of the program to provide an adequate, quality program. In the case of space limitations, applicants are prioritized based on GRE scores, GPA, letters of reference and letter of intent for admission to the program.

**Career Opportunities:**

Clinical exercise physiology, in which exercise is used to help clients manage or reduce their risk of chronic disease, is a relatively new career field. It is an exciting and growing profession in the health care realm that has recently been organized on the national level, recognized by the federal

government and defined as an occupation. The unique and vital profession will grow as certifications and licensures support the value of clinical exercise physiology.

Career opportunities are available in:

- hospital-based research facilities
- hospitals
- outpatient clinics
- physician offices
- university laboratories

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## Communication Disorders, MS (LACOMDISMS)

**Online Degree Search Title:** Communication Disorders, MS

**Campus:** Tempe

**Program Description:**

The MS program in communication disorders prepares students to become certified speech language pathologists in a full-time residential program that can be completed in 20 months. The program trains students to evaluate and treat clients with speech, language, cognitive and swallowing disorders.

The first year develops knowledge and skills for the assessment and treatment of communication disorders in people of all ages. Students complete clinical practicum with clinical faculty educators. In the second year, students acquire additional clinical skills with two full semesters of external placements.

This program offers research and clinical opportunities in different settings, including inpatient and outpatient medical sites, public schools, early intervention programs and private practices. A part-time employment program is available for speech-language pathology assistants in public schools. Those seeking specialized training can pursue a multicultural and multilingual certificate.

The program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

**Degree Requirements:**

60 credit hours and a thesis, or 60 credit hours and a written comprehensive exam.

Required Core (34 credit hours)

SHS 538 Clinical Methods and Simulation in Speech-Language Pathology (4)

SHS 539 Professional Issues in Speech-Language Pathology (2)

SHS 567 Neural Bases of Communication Disorders (2)

SHS 570 Communication Disorders and Multicultural Populations (2) or SHS 597 Bilingual Speech-Language Pathology (2)

SHS 571 Augmentative Communication and Language Programming (2)

SHS 572 Language Assessment and Intervention in Infants and Toddlers (2)

SHS 573 Language Assessment and Intervention with School-Age Populations (2)

SHS 574 Management of Feeding and Swallowing Disorders (2)

SHS 575 Aphasia and Related Neurogenic Language Disorders (2)

SHS 577 Current Assessment, Intervention and Research in Autism (2)

SHS 579 Voice and Resonance Disorders (2)

SHS 578 Fluency Disorders (2)

SHS 581 Traumatic Brain Injury and Cognitive Linguistic Disorders (2)

SHS 582 Differential Diagnosis of Communication Disorders (2)

SHS 585 Articulation and Phonology: Assessment and Intervention (2)

SHS 587 Language Assessment and Intervention with Preschool Populations (2)

Electives (0 or 6 credit hours)

Other Requirements (20 credit hours)

SHS 500 Research Methods (1)  
SHS 580 Clinical Practicum (9)  
SHS 584 Clinical Internship (10)

Culminating Experience (0 or 6 credit hours)  
written comprehensive exam (0) or  
SHS 599 Thesis (6)

#### Additional Curricular Information

Core course SHS 538 is two credit hours taken twice times for a total of four credit hours.

Students in the nonthesis option take six credit hours of electives. Students should see the academic unit for an approved list of elective courses.

Both the thesis and nonthesis options require the American Speech-Language-Hearing Association Praxis national exam in speech language pathology. This is the comprehensive exam for the thesis option. For the nonthesis option, a department-administered comprehensive examination in speech-language pathology is required along with the national exam to fulfill the requirements of the comprehensive exam.

Eligibility for graduation is based upon a passing score on the American Speech-Language-Hearing Association Praxis national certification examination in speech-language pathology; successful completion of the thesis or nonthesis option, including the required culminating experience and academic credits; and successful completion of clinical experiences.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in speech and hearing science or a related field from a regionally accredited institution and completed prerequisite coursework in speech and hearing.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement not to exceed 300 words
- GRE scores
- email addresses of three recommenders
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students should see the program website for application deadlines and admission terms. Candidates who have undergraduate deficiencies may need to take required prerequisite courses.

#### Career Opportunities:

Speech-language pathologists evaluate speech, cognitive, hearing and language test results, swallow results, or medical or background information to diagnose and plan treatment for speech, language, fluency, voice or swallowing disorders. These professionals work in a range of settings including schools, private practice and medical centers. There are many opportunities to work with culturally and linguistically diverse populations. Speech-language pathologists collaborate with other professionals on a daily basis. People who value relationships, independence and helping others achieve optimal performance are a great fit for this career. Employment rates are extremely high, especially in school settings.

Career settings include:

- all levels of schools, including elementary, middle and high school
- early intervention settings, including home health
- inpatient and acute care hospitals
- neonatal intensive care units
- outpatient rehabilitation
- pediatric outpatient centers

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## Communication Disorders in Multilingual/Multicultural Populations (certificate), Certificate (NHCDMPGRCT)

**Online Degree Search Title:** Communication Disorders in Multilingual/Multicultural Populations (Graduate Certificate)

**Campus:** Tempe

### Program Description:

The certificate program in communication disorders in multilingual and multicultural populations provides expanded coursework on working with adults, children and families who are culturally and linguistically diverse. It also offers enhanced academic classes, clinical experience in authentic community-based settings and engagement in community-centered, interprofessional projects.

Students who complete the certificate program have the knowledge and practical experience to address effectively the needs of culturally and linguistically diverse adults, children and families.

### Degree Requirements:

15 credit hours.

Required Core (11 credit hours)

SHS 524 Counseling in Communication Disorders (2)

SHS 570 Communication Disorders and Multicultural Populations (2)

SHS 586 Language Essentials for Teaching Reading (2)

SHS 588 Bilingual Language Acquisition (3)

SHS 597 Bilingual Speech-Language Pathology (2)

Other Requirement (4 credit hours)

SHS 584 Clinical Internship (4)

Culminating Experience (2 credit hours)

SHS 593 Applied Project (2)

Additional Curriculum Information

The culminating experience is an applied, community-based project that builds depth of knowledge resulting in a paper that students must present to the academic unit.

As part of the certificate requirements, students also must complete an online module on parent training with culturally and linguistically appropriate techniques.

Students who wish to obtain a bilingual endorsement must complete the Arizona Classroom Teacher Spanish Proficiency Examination administered by the School of International Letters and Cultures.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the certificate program if they are enrolled in the MS program in communication disorders at ASU.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- letter of intent or written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa will need to first apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Candidates who have undergraduate deficiencies may need to take required prerequisite courses.

#### Career Opportunities:

Students can advance their career options as a certified and licensed speech-language pathologist in a manner consistent with the specialized training required for working with clients who have diverse linguistic or cultural backgrounds. Employers in many settings value professionals who are equipped to work with these populations.

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## Exercise and Nutritional Sciences, PHD (ECNUTRIPHD)

**Online Degree Search Title:** Exercise and Nutritional Sciences, PhD

**Campus:** Downtown Phoenix

#### Program Description:

With integrated disciplinary contexts, the PhD in exercise and nutritional sciences curriculum trains scholars and leaders to address health problems and helps meet the increasing demand for the development of effective physical activity and nutrition programs for all segments of society. The mission of the program is to train research scholars to conduct high impact, interdisciplinary research in exercise and nutrition sciences. In contrast to programs that divide nutrition science and exercise science into separate specializations, the exercise and nutritional sciences program integrates exercise and nutrition research with health promotion research using a problem-centered rather than a pure disciplinary approach.

Students work collaboratively with an approved mentor from the beginning to the end of the doctoral program, and focus their research on one primary area of interest: metabolism and physiology, behavioral and population health sciences, or biomechanics and motor control. Students and faculty conduct high-quality, use-inspired research that promotes healthy lifestyles intended to reduce the physical, social and economic costs of unhealthy living. While many healthy lifestyles are studied, the emphasis is on the promotion of physically active living and sound nutrition. Students engage in research at every stage of the program through research practicums, translational research teams, research seminars and colloquia, and dissertation research.

The program is four years of full-time study after earning a master's degree. The program also accepts part-time students.

#### Degree Requirements:

89 credit hours including a dissertation.

##### Required Core (6 credit hours)

EXW 640 Analysis of Variance for Exercise and Wellness (3)

EXW 645 Advanced Applied Methods and Analysis (3)

##### Required Research (12 credit hours)

EXW 700 Research Methods (3)

EXW 701 Advanced Research Methods (3)

EXW 780 or NTR 780 Practicum (6)

##### Elective Research (15 credit hours)

##### Professional Development (5 credit hours)

EXW 691 or NTR 691 Seminar (3)

EXW 784 Internship (2)

##### Focus Area (9 credit hours)

Electives (30 credit hours)

Culminating Experience (12 credit hours)

EXW 799 or NTR 799 Dissertation (12)

Additional Curriculum Information

Students tailor a course of study in either nutrition and health or physical activity and health. Within these areas, students are expected to focus their study in a specific thematic area. There are three focus areas to choose from:

- behavioral and population health sciences
- metabolism and physiology
- biomechanics and motor control

Courses in the focus or thematic area are determined by the student and supervisory committee. Up to six but not more than nine credit hours in the focus area may be taken from a program outside the nutrition, exercise science and health promotion programs.

Professional development courses include a teaching internship (EXW 784) to help prepare students in exercise and nutritional science to become teaching faculty, and a seminar course taken over three semesters (EXW/NTR 691) that addresses career opportunities and preparation for faculty or professional positions in the nutrition, exercise and health promotion fields.

When approved by the student's supervisory committee and Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used for this degree.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in any field from a regionally accredited institution, and prefer that a data-based research thesis has been completed.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, and applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (verbal, quantitative and writing)
- letter of intent
- professional resume
- three letters of recommendation
- teaching or research assistantship application
- writing sample (six to 10 pages)
- an oral interview with program faculty (via Skype or Zoom) prior to acceptance
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants must submit a TOEFL score unless the requirements for an exception have been met. Details are available at

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The letter of intent should indicate research or scholarly interest, primary program area, statement of career goals and name of a potential faculty mentor from the list of approved faculty mentors.

Prerequisites

All applicants must have taken a graduate-level research methods and a graduate-level research statistics course prior to admission. Students are expected to take a pretest in research methods and research statistics the summer prior to enrolling.

It is expected that students admitted to the program have documented academic training and a strong interest in exercise science, nutrition science or health promotion. Thus, depending on the student's academic training, background, scholarly interests and focus area, a student may be asked to take undergraduate courses as deficiencies prior to, or concurrently with, graduate course enrollment.

Pathways through program

Two pathways through the program are available to students depending on their funding source, full-time via TA/RA funding or part-time self-

funded. With both pathways, the intent is to involve and embed students in ongoing research as well as in-class study throughout their stay.

Students should see the program website for application deadlines and admission terms.

#### **Career Opportunities:**

Graduates of the program are prepared for research careers in research-intensive universities, governmental agencies and health-related research positions in private industry. Students are strongly encouraged to pursue postdoctoral research opportunities upon graduation.

Career examples include:

- consultant
- dietitian and nutritionist
- entrepreneur
- exercise physiologist
- health educator
- health scientist
- lecturer
- postsecondary biomechanics teacher
- postsecondary exercise science teacher
- postsecondary nutrition teacher
- professor
- research scientist

#### **Contact Information:**

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## **Exercise and Wellness, MS (ECEXERMS)**

**Online Degree Search Title:** Physical Activity and Health, MS

**Campus:** Downtown Phoenix

This program's name has changed effective Fall 2021. The previous name was Exercise and Wellness.

#### **Program Description:**

The MS program in physical activity and health offers a unique opportunity for advanced training with options to focus on exercise science, fitness and conditioning, or physical activity and health promotion alongside faculty who are immersed in the latest research.

This program prepares students to translate and apply evidence-based exercise science, fitness and lifestyle behavior change approaches to improve health and well-being and prevent chronic disease across the lifespan. It also prepares students to design fitness and conditioning programs for athletes.

Students in the program develop competencies in research design, statistical methods and the ethical conduct of research studies and they have the opportunity to conduct a mentored research project as part of a thesis, if desired. They also learn to apply theoretical models of behavior change for the development and implementation of interventions to facilitate the adoption and maintenance of physical activity and other health and wellness behaviors. Students develop and demonstrate their knowledge of the causes, risks factors and impact of exercise, physical activity and fitness on the disease process in cardiovascular disease, Type 2 diabetes mellitus, metabolic syndrome, cancer, musculoskeletal health and functional fitness through a critical examination of epidemiological research and exercise intervention studies.

The skills and knowledge acquired during the course of training enables each student to develop professional competencies that can be applied to significant problems and issues within the field of exercise and wellness.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Exercise and Wellness, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

36 credit hours and a thesis, or 36 credit hours and a written comprehensive exam, or 36 credit hours and an applied project.

Required Core (9 credit hours)

EXW 501 Research Statistics (3)

EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)

EXW 542 Health Promotion (3)

Research (5 credit hours)

EXW 500 Research Methods (3)

EXW 591 Exercise and Wellness Seminar (2)

Electives (12-18 credit hours)

Culminating Experience (0-6 credit hours)

EXW 599 Thesis (6) or

EXW 593 Applied Project (6) or

written comprehensive exam (0)

Additional Curriculum Information

All students must focus their plan of study in one of three areas: exercise science, fitness and conditioning, or physical activity and health promotion. The focus determines the choice of electives available to students. For a list of approved elective courses, students should contact their academic unit.

**Exercise science** -- This is focused study in areas such as advanced exercise physiology, muscle physiology, fuel metabolism, exercise endocrinology, advanced exercise testing and prescription, physiology of physical activity and chronic disease, biomechanics and motor control. This focus area is a good option for students who are interested in pursuing further graduate study in the area of exercise science and chronic disease prevention and management.

**Fitness and conditioning** -- This is focused study in areas such as resistance training, sport and fitness conditioning, advanced sport nutrition, advanced exercise testing and prescription, health behavior theory, motivational interviewing, and exercise for obesity and aging. This focus area is a good option for students who are interested in pursuing careers in the fitness industry, and who may be pursuing further graduate study in applied exercise science or physical therapy.

**Physical activity and health promotion** -- This is focused study in areas such as health promotion program planning, implementation and evaluation, physical activity policy in public health, health behavior change theory, motivational interviewing, physiology of physical activity and chronic disease, exercise for obesity, aging and sleep, and the role of mindfulness in stress, health and health behavior. This focus area is a good option for students who are interested in pursuing careers in health promotion, corporate wellness or public health, and who may be pursuing further graduate study in health promotion or public health.

All students are admitted to the nonthesis option but may apply to the thesis option.

The nonthesis option requires an applied project or a written comprehensive exam as the culminating experience. The nonthesis option is an appropriate choice for those students who cannot devote full-time to their research endeavors or for students who are seeking to continue their education, advance their skill level as practitioners or advance their current careers. Students who take the written comprehensive exam are required to take six additional elective courses in the focus area.

In the thesis option, the thesis is considered the final integrative experience of the degree; it involves conducting research that is guided by a recognized research paradigm (e.g., scientific, interpretive) and producing a scholarly report of the process and results. The thesis option is a good choice for students who are interested in pursuing more advanced graduate study in the field.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Students are expected to have the coursework and undergraduate credit for the basic courses required for a BS degree in exercise and wellness. Students who do not have these course competencies can be admitted with deficiencies. Deficiencies are determined upon admission, and these courses must be completed, usually by the end of the first year of study. These courses are not considered part of the graduate plan of study. A graduate course may be substituted for a deficiency but will be evaluated on a case-by-case basis.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of career or research interests
- three professional letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must submit proof of English proficiency regardless of current residency.

BIO 201 and BIO 202 must be completed prior to admission to the master's degree program. Other deficiency courses may be taken prior to or during the master's degree program. The corresponding ASU course can be found in parentheses:

Human Anatomy and Laboratory (BIO 201 Human Anatomy and Physiology I)

Human Physiology and Laboratory (BIO 202 Human Anatomy and Physiology II)

Human Nutrition (NTR 241 Human Nutrition)

Exercise Physiology and Laboratory (SSP 315 Exercise and Sport Physiology)

Kinesiology and Laboratory (EXW 330 Kinesiological Foundations of Movement)

Exercise Testing and Laboratory (EXW 420 Exercise Testing)

Exercise Prescription (EXW 425 Exercise Prescription for Health and Wellness)

An undergraduate course in statistics is strongly recommended.

Students should see the program website for application deadlines.

#### **Career Opportunities:**

Professionals with expertise in exercise science and chronic disease prevention, physical activity and health promotion, wellness or exercise across the lifespan are in demand across sectors and industries including commercial fitness and wellness centers, health care systems, professional and collegiate athletics, research settings and public health.

Career examples include:

- corporate fitness coordinator or director
- exercise physiologist
- fitness and wellness coordinator
- fitness trainer or aerobics instructor
- health promotion specialist or health educator
- personal trainer
- research coordinator

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## **Health Informatics, MAS (GCHLHINMAS)**

**Online Degree Search Title:** Health Informatics, MAS

**Campus:** Online

#### **Program Description:**

The MAS in health informatics is a flexible program designed to meet the needs of working professionals. Core courses provide a background in clinical informatics, while electives allow students to specialize in areas such as data science or mobile health.

#### **Degree Requirements:**

30 credit hours including the required applied project course (BMI 593).

Required Core (15 credit hours)

BMI 601 Fundamentals of Health Informatics (3)

BMI 603 Health Informatics Database Modeling and Applications (3)

BMI 604 Health Information Communication (3)

BMI 614 Current Perspectives in Health Informatics (3)

HCD 575 Leadership and Professionalism (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)

BMI 593 Applied Project

**Admission Requirements:**

Applicants must fulfill the requirements of the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related field such as biology, computer science, medicine, nursing, pharmacy or public health, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- two letters of recommendation
- statement of purpose
- proof of English proficiency

Additional Admission Requirements

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. A TOEFL score is required for applicants whose native language is not English.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-health-informatics/>)

**Career Opportunities:**

The degree program prepares graduates with skills for careers in a wide range of health care settings. Professionals from fields outside of health and health care can also develop the skills needed to transition into careers in this rapidly expanding field.

Career opportunities include:

- clinical analyst
- clinical application developer
- clinical informatics manager
- director of clinical informatics (medical informatics)
- director of health information management
- director of health IT
- electronic health record application specialist
- electronic health record implementation expert
- health care data analyst
- health care informatics consultant
- health care informatics manager
- health care IT project manager
- health care IT specialist
- health data resource manager or clinical data manager

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## Integrated Behavioral Health - Clinical (Certificate), Certificate (NHIBHCGRCT)

**Online Degree Search Title:** Integrated Behavioral Health -Clinical (Graduate Certificate)

**Campus:** Online

### Program Description:

This certificate program in integrated behavioral health with a clinical focus provides training for clinicians who aspire to work in integrated primary care behavioral health.

The curriculum offers students a deeper understanding of models of primary care behavioral health and training on evidence-based approaches to behavioral health care, population-based health and medical literacy to ensure applicants have a working knowledge of the skills necessary for success in the integrated primary care arena.

### Degree Requirements:

15 credit hours.

Required Core (12 credit hours)

IBC 601 Models of Integrated Primary Care (3)

IBC 603 Brief Interventions in Primary Care (3)

IBC 604 Clinical Medicine/Pathophysiology (3)

IBC 611 Population-based Behavioral Health Management (3)

Electives (3 credit hours)

Additional Curriculum Information

Students should see the academic unit for the approved course list of electives. Other coursework may be used with the approval of the academic unit.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in a related field such as social work, counseling, family therapy, clinical psychology or nursing, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official graduate transcripts
- personal statement
- one letter of professional recommendation
- current resume or curriculum vita
- submission of licensure form and copy of license
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

All applicants are required to hold a master's degree that results in behavioral health licensure or license-eligibility. In rare cases, applicants are considered with a master's degree and licensure unrelated to their degree (e.g., applicant with a master's degree in public health and licensure as a registered dietitian). Consistent with the current admissions process for the Doctor of Behavioral Health program, licensure and licensure-eligibility is determined by the student's submission of an online form that is part of the supplemental application and a copy of their board-issued license.

The requirements for the personal statement are outlined on the online application.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the Academic Catalog Archive 2021-2022



program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/integrated-behavioral-health-clinical-graduate-certificate/>)

**Career Opportunities:**

Graduates who have combined the certificate in clinical integrated behavioral health with their major program of study, their license or their practice within integrated team-based health care settings may be more marketable to employers.

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## Integrated Behavioral Health - Management (Certificate), Certificate (NHIBHMGRCT)

**Online Degree Search Title:** Integrated Behavioral Health - Management (Graduate Certificate)

**Campus:** Online

**Program Description:**

This certificate program in integrated behavioral health with a focus on management is for health care managers with master's degrees as well as master's-level clinicians who aspire to move into management.

The program provides training on the integration of medical and behavioral health services with a focus on primary care.

The program may be completed as a standalone program, to supplement a student's existing clinical skills or their current practice within an integrated team-based health care setting, or it can complement a student's major program of study.

**Degree Requirements:**

15 credit hours.

Required Core (12 credit hours)

IBC 601 Models of Integrated Primary Care (3)

IBC 614 Quality and Performance Measurement, Improvement and Incentives in Health Care (3)

IBC 626 Behavioral Health Management (3)

IBC 630 Financial Management of Health Care (3)

Electives (3 credit hours)

Additional Curriculum Information

Students should see the academic unit for the approved course list of electives. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- one letter of professional recommendation
- current resume or curriculum vita
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The requirements for the personal statement are outlined on the online application.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/integrated-behavioral-health-management-grad-certificate/>)

**Career Opportunities:**

This innovative program can help advance students' career options. Those who have earned this specialization are more marketable to employers.

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## Integrated Health Care, MIHC (NHIHCFMIHC)

**Online Degree Search Title:** Integrated Health Care, MIHC

**Campus:** Downtown Phoenix, Online

**Program Description:**

Graduates of the MIHC degree program are prepared to develop, implement, evaluate and sustain integrated care delivery in diverse health care settings.

Through the Master of Integrated Health Care program, students gain management-level knowledge in health care operations, financial management, quality improvement, big data analytics, evidence-based practice, interprofessional leadership, teamwork and strategic planning. Students apply their knowledge and advance their competencies through a final project as they assist with furthering an existing or emerging integrated care program.

**Degree Requirements:**

30 credit hours including the required applied project course (IBC 593).

Required Core (21 credit hours)

HCD 570 Process Learning (3)

HCD 575 Leadership and Professionalism (3)

HCD 602 Health Informatics for Future Health Care Professionals (3)

IBC 520 Integrated Health Care: The Patient-Centered Medical Home (PCMH) (3)

IBC 530 Evidence-based Integrated Health Care (3)

IBC 550 Integrated Care Business Operations (3)

IBC 570 Integrated Health Care Financial Management (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

IBC 593 Applied Project (3)

Additional Curricular Information

Students select HCI 500-level elective courses with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in social or behavioral sciences, health, business, public health, management or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- personal statement
- official transcripts
- curriculum vitae
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-integrated-healthcare/>)

**Career Opportunities:**

MIHC graduates have the competencies to serve as managers in primary care clinics, hospitals, mental health and substance abuse treatment programs, health plan disease management and employer-based wellness programs, and other innovative integrated care settings.

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## International Health Management, MIHM (NHIHMIHM)

**Online Degree Search Title:** International Health Management, MIHM

**Campus:** Online

**Program Description:**

The 100% online MIHM degree is offered by Arizona State University in partnership with the University of New South Wales in Sydney, Australia.

Ideal for students seeking a career in international health systems management, this Master of International Health Management program advances the core principles of the PLoS Alliance to develop solutions to global challenges and generate social impact in health and health care. The collaborative and international nature of the program provides students access to global academic networks and industry partners.

Students in the program build knowledge necessary for leadership and management, including policy, economics, finance and development from the combined expertise of faculty at two world-renowned research universities. After courses in health care management, finance and comparative health systems, students choose an area of focus in health informatics, quality improvement in health care, health economics or hospital management.

**Degree Requirements:**

30 credit hours and a portfolio.

Required Core (6 credit hours)

HCD 532 Health Care Management and Finance (3)

HCD 537 Comparative Health Care Systems (3)

Track Courses (12 credit hours)

Electives (9 credit hours)

Research (2 credit hours)

HCD 592 Research (2)

Culminating Experience (1 credit hour)

HCD 550 Capstone (1)

Additional Curriculum Information

Coursework taken for this program is provided through ASU and the University of New South Wales. For the specified core course, students take the equivalent of HCD 537 (PHCM 9471) at the University of New South Wales.

Students select one of the tracks as part of their curriculum. Some track courses are also listed as possible electives. In the event that an elective course is also listed as a specific track course for the track the student has selected, the student must select a different course as the elective. Students should see the academic unit for an approved list of track and elective courses.

The research requirement is taken in preparation for the capstone course. Students complete HCD 592 for one credit hour twice in consecutive terms.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as biology, chemistry, biochemistry, nursing, public health, pharmacy, biomedical informatics, social work, premed, prehealth, nutrition, health promotion or others.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of reference
- personal statement
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Three letters of reference from either academic or professional sources are required; reference letters from friends or relatives are not accepted. Letters demonstrating involvement in health care, community service or leadership are encouraged.

A personal statement must be submitted that explains how the applicant plans to contribute to the health care system after the degree is obtained; how the program will help the applicant achieve their goals; what the applicant's career aspirations are; and what interested the applicant in this degree program.

A phone or video conference interview with the admissions committee may be required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/international-health-management-mihm/>)

#### **Career Opportunities:**

Major sites of employment for graduates include hospital systems, nursing homes and similar facilities, and outpatient clinics. There is a significant growth market for graduates with skills in international health management given the aging populations and the need for a health care workforce competent in informatics, leadership and finance.

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## **Medical Nutrition, MS (NHMNTSMS)**

**Online Degree Search Title:** Medical Nutrition, MS

**Campus:** Online

**Program Description:**

This MS program in medical nutrition is for current and future health care professionals, including gap-year students; those who have completed their bachelor's degree but have not yet secured admission to medical, veterinary, dental, osteopathic, physician assistant or similar schools; and for current medical students, residents, fellows and practitioners in the aforementioned fields who seek to develop a strong knowledge base in the nutritional sciences and its application in the health care field.

Graduate students in the medical nutrition program learn the role of nutrition in health maintenance, the treatment of disease and disease prevention. Coursework and culminating experiences provide an overview of the components of therapeutic diets and the role of qualified health care providers in diet prescription. Students also learn about nutrition guidelines and supplements as well as functional food usage for optimal health.

The program emphasizes self-directed learning with immersion in current nutrition research, and students develop foundational knowledge of nutritional assessment techniques used by health care providers in clinical practice. Proficiency in reading and interpreting nutrition research is another key program goal, and ensures graduates are well versed in the importance of making recommendations grounded in evidence-based practice.

**Degree Requirements:**

30 credit hours including an applied project course (NTR 593).

Required Core (21 credit hours)

NTR 502 Statistics in Research (3)

NTR 510 Food and Nutrition Across the Lifespan (3)

NTR 511 Medical Nutrition in the Care and Prevention of Disease (3)

NTR 524 Chronic Inflammation and Metabolic Syndrome: The Common Pathway for Cardiovascular Disease, Diabetes (3)

NTR 525 Complementary Nutrition (3)

NTR 533 Ethics and Policy of American Diets (3)

NTR 535 Nutrigenomics (3)

Other Requirement (3 credit hours)

NTR 500 Research Methods (3)

Culminating Experience (6 credit hours)

NTR 593 Applied Project (6)

Additional Curriculum Information

Other requirement coursework may be substituted with the approval of the student's graduate committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. A previous bachelor's or master's degree in nutrition, public health, biology, chemistry or related field is preferred.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- one page personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from previous instructors or professors.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/medical-nutrition-ms/>)

**Career Opportunities:**

Career opportunities include:

- dentist
- medical doctor
- nurse
- pharmacist
- physical therapist
- physician assistant

Graduates of this program can also serve in fields such as health care, education, state and national government, corporate enterprise and nonprofits.

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## Nutritional Science, MS (ECHNUTMS)

**Online Degree Search Title:** Nutritional Science, MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS program in nutritional science prepares students to translate nutrition science into practical use for human health and wellness. Students immerse themselves in the latest nutrition topics and research partnered with accomplished faculty, developing practical understanding through internship experiences and their own guided research. Building on the scientific foundations of human nutrition, students learn strong writing and problem-solving skills, grow computer literacy, and increase interpretive expertise. Students are afforded research experiences grounded in the latest science that can match their own interests and goals.

Students who have completed an accredited didactic program in dietetics may also elect to apply to the ASU dietetic internship in order to meet the requirements to become a registered dietitian nutritionist <https://chs.asu.edu/students/internships/dietetic-internship> (<https://chs.asu.edu/students/internships/dietetic-internship>). More information is available at <https://chs.asu.edu/programs/nutrition-dietetics/how-become-registered-dietitian> (<https://chs.asu.edu/programs/nutrition-dietetics/how-become-registered-dietitian>).

Sports nutrition, a new track in the program, provides an option for students to select specialized courses in sports nutrition and exercise science and obtain hands-on training and research with sports dietitians and nutrition faculty who are experts in the field. Students in this track complete the same core nutrition graduate cour but take track-specific courses and electives that focus on sports nutrition, hydration, exercise physiology and other vital parts of the discipline. The culminating experience research is under the guidance of sports nutrition professors in the College of Health Solutions.

The maternal child health track provides an option for students to select specialized courses in maternal child health and obtain hands-on training with the nutrition and other faculty who work on nutrition-related health behaviors and outcomes across campus. Students in this track will complete the same core nutrition graduate courses but will take track courses and electives that focus on maternal child health competencies, including policy and advocacy, leadership development, communication, ethics, etc. They will complete their required research under the guidance of one of several faculty conducting nutrition-related maternal and child health research. Competitive funding may be available through the TRANSCEND Program (<https://transcendprogram.weebly.com/>) for students in the maternal child health track.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required Applied Project course (NTR 593).

Required Core (3 credit hours)  
EXW 501 Research Statistics (3) or

NTR 502 Statistics in Research (3)

Restricted Electives (9 credit hours)

NTR 501 Research Methods in Nutrition (3)

NTR 503 Designing Health Behavior Change Interventions (3)

NTR 524 Chronic Inflammation and Metabolic Syndrome: The Common Pathway for Cardiovascular Disease, Diabetes (3)

NTR 525 Complementary Nutrition (3)

NTR 527 Policies, Environment and Obesity Prevention (3)

NTR 529 Pediatric Nutrition (3)

NTR 532 Endocrine Pathophysiology and Nutrition (3)

NTR 533 Ethics and Policy of American Diets (3)

NTR 535 Nutrigenomics (3)

NTR 537 Evidence-based Nutrition (3)

NTR 551 Geriatric Nutrition (3)

NTR 553 Nutrition and Cardiovascular Disease (3)

NTR 555 Nutrition and the Athlete (3)

NTR 557 Nutritional Epidemiology (3)

NTR 598 Special Topics (3)

Open Electives (9 credit hours)

Research (3 credit hours)

NTR 500 Research Methods (3)

Culminating Experience (6 credit hours)

NTR 593 Applied Project (6) or

NTR 599 Thesis (6)

Additional Curriculum Information

Students choose three courses from the restricted electives list above for a total of nine credit hours. Other courses may be used with approval of the academic unit.

One research methods course is required. NTR 500 may be substituted with approval from the academic unit.

Students in the sports nutrition and maternal child health tracks complete specific course requirements for the track. Please consult with the academic advisor.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree (nutrition or science is recommended) from a regionally accredited institution. Students who are pursuing the Master of Science in nutritional science need to complete the following prerequisites: anatomy and physiology, biochemistry, general chemistry with lab, general nutrition for majors, microbiology, organic chemistry with lab, and statistics.

These courses are part of the ASU didactic program in dietetics required for ASU's BS degree in dietetics and to be eligible to apply for admission into an accredited dietetic internship to become a registered dietitian. If an applicant has completed a didactic program in dietetics from another university, these prerequisites are considered complete. Prerequisite courses can be in progress when the student submits the application; however, if the student is accepted into the Master of Science degree program, all prerequisites must be completed before the program begins in the fall semester.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A resume that summarizes the academic, research, volunteer and employment experiences of the applicant needs to be submitted with the graduate admission application.

A personal statement that includes the following must be submitted with the graduate admission application:

- a description of the applicant's significant professional responsibilities
- the applicant's professional goals and the reasons for the desire to enroll in ASU's program
- the applicant's strengths that will allow the applicant success in the program and in reaching professional goals
- the applicant's personal research interests, described as specifically as possible and including any previous research experience, along with indication of any interest in being considered for the optional track in sports nutrition

Three letters of recommendation are required, including at least one from an instructor at the applicant's undergraduate school. Letters of recommendation can be submitted with the graduate admission online application.

A foreign language examination is not required for this program.

Finalists for admission are interviewed.

### **Career Opportunities:**

Nutritional science applies the principles of food and nutrition to health. It's a vital, growing profession with many career possibilities. In this field, graduates share their knowledge of food and nutrition to help people make healthful food choices.

Settings in which food and nutrition careers can be found include:

- community and public health organizations
- corporations
- food manufacturing industries
- government agencies
- hospitals and other medical facilities
- long-term care facilities
- nonprofit organizations
- schools

### **Contact Information:**

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## **Nutritional Science (Dietetics), MS (ECNTRDMS)**

**Online Degree Search Title:** Nutritional Science (Dietetics), MS

**Campus:** Online

### **Program Description:**

The MS program in nutritional science with a concentration in dietetics is a nonthesis option for registered dietitian nutritionists seeking to continue their education and advance their skills as practitioners. The program emphasizes the scientific foundations of nutrition and prepares students to have interpretive expertise, problem-solving skills, strong writing skills and computer literacy.

Designed with working professionals and students' learning preferences in mind, the program is completely online and can be completed either full time or part time. It is an ideal option for busy schedules with multiple start dates each year and course lengths of 7.5 weeks. Up to 12 credit hours can be transferred from another accredited program with the approval of the program director.

### **Degree Requirements:**

30 credit hours including the required applied project course (NTR 593).

Required Core (3 credit hours)  
EXW 501 Research Statistics (3) or  
NTR 502 Statistics in Research (3)



Concentration (9 credit hours)  
NTR 501 Research Methods in Nutrition (3)  
NTR 503 Designing Health Behavior Change Interventions (3)  
NTR 524 Chronic Inflammation and Metabolic Syndrome (3)  
NTR 525 Complementary Nutrition (3)  
NTR 529 Pediatric Nutrition (3)  
NTR 533 Ethics and Policy of American Diets (3)  
NTR 535 Nutrigenomics (3)  
NTR 537 Evidence-based Nutrition (3)  
NTR 551 Geriatric Nutrition (3)  
NTR 555 Nutrition and the Athlete (3)  
NTR 598 Special Topics (3)

Research (3 credit hours)  
NTR 500 Research Methods (3)

Open Electives (9 credit hours)

Culminating Experience (6 credit hours)  
NTR 593 Applied Project (6)

Additional Curriculum Information

For concentration coursework, students choose three courses from the list above for a total of nine credit hours.

One research methods course is required. NTR 500 may be substituted with approval from the academic unit.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants must be either a Registered Dietitian Nutritionist (RDN) or have completed a Didactic Program in Dietetics (DPD)-accredited program, and will provide either a copy of the RDN credential or the DPD Verification Statement with their application.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of Registered Dietitian status or DPD verification statement
- resume
- personal statement
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants with RDN certification need to submit proof of registered dietitian status by accessing the Commission on Dietetic Registration's website (<https://www.cdrnet.org>) and complete the verification process using the online credential verification search. Applicants who completed a Didactic Program in a Dietetics-accredited program, need to provide a DPD Verification Statement with their application.

A resume is required that summarizes the applicant's academic, volunteer and employment experiences.

Also required is a one- to two-page, typed, double-spaced personal statement addressing the following: significant professional responsibilities the applicant has held; professional goals and reasons for desiring to enroll in this program; strengths that will help the applicant succeed in this program and in reaching their professional goals; and, personal interests in research, including, if applicable, studies involving the practice of dietetics.

Two letters of recommendation are to be submitted with the application, including at least one from an employer or work supervisor.

A foreign language examination is not required for this program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-nutritional-science-dietetics/>)

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## Obesity Prevention and Management, MS (NHOBSMS)

**Online Degree Search Title:** Obesity Prevention and Management, MS

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The MS in obesity prevention and management is an innovative degree program that draws on a wide array of expertise at ASU. The curriculum is designed to integrate perspectives from the social, applied, life and health sciences and provides advanced, graduate-level, problem-focused, experiential training that is grounded in evidence and best practices for effective prevention and management of obesity.

This degree program is geared toward postbaccalaureate students and professionals who wish to advance their understanding of the social, cultural, environmental, health and psychological issues associated with obesity. The program emphasizes the complex etiology of obesity and includes courses that will enhance students' ability to work with individuals and populations at risk of obesity to develop effective strategies for prevention and management of the condition across the lifespan.

**Degree Requirements:**

30 credit hours including a thesis, or 30 credit hours including an applied project (OBS 593).

Required Core (3 credit hours)

OBS 501 Obesity Prevention and Management: An Introduction (3)

Electives (21 credit hours)

Culminating Experience (6 credit hours)

OBS 593 Applied Project (6) or

OBS 599 Thesis (6)

Additional Curriculum Information

Students choose one three-credit hour elective course from each of the following categories: concepts in behavior change, research methods and statistics.

Additional elective course selections depends upon the student's chosen track. Students select six credit hours from prescribed categories for each track and six credits from the following categories: cultural aspects of behavior change, general track, public health approaches for behavior change, and technological approaches for behavior change.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's (or equivalent) or master's degree in social or health science-related

fields from a regionally accredited institution. The following entry-level competencies are needed for admission to the program: Students should have completed undergraduate-level coursework in statistics and psychology and, ideally, have completed one or more courses in nutrition, physiology and chemistry.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit

- graduate admission application and application fee
- official transcripts
- GRE scores (verbal, quantitative and analytical)
- statement of educational and career goals
- writing sample
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students who have an undergraduate GPA of 3.25 or higher in the last 60 hours of their undergrad program may have the GRE requirement waived with approval of the academic unit.

No foreign language examinations are required for admittance to the program.

Writing sample: A two- to three-page application letter is required in which applicants explain why they want to pursue this degree and why they feel well-prepared to succeed in this graduate program.

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## Population Health, PHD (NHPOPHLPHD)

**Online Degree Search Title:** Population Health, PhD

**Campus:** Downtown Phoenix

**Program Description:**

The PhD program in population health brings together multiple disciplines, illustrating the complex factors that affect the health and well-being of populations. The program addresses the interaction between health systems and other sectors of society, including the private sector, government, nonprofit, nongovernmental organizations, media and academia to affect population health outcomes.

Required courses reinforce a strong repertoire of systems science, quantitative and qualitative research methods, epidemiology and biostatistics, and ethics. The practicum offers an applied experience and the dissertation requires novel research on population health.

Students personalize their program of study by completing courses from one of three tracks: health equity, complex adaptive systems or urban environments for health.

The health equity track trains doctoral students to conduct empathetic research, incorporating the lived experience of populations vulnerable for health disparities into applied research. Students use an asset-based approach to collaborate with populations to improve health outcomes to address social determinants of health.

In the complex adaptive systems track, students learn about theory, principles, models and techniques used to analyze complex systems and data as applied to population health.

Exacerbated by population growth and climate change, city dwelling populations are experiencing health challenges such as new and re-emerging infectious diseases, noncommunicable diseases, unhealthy diets, physical inactivity, obesity, poor water quality and injuries from road trauma. The track on urban environments for health prepares students to meet those challenges from an evidence-based and transdisciplinary environmental perspective.

**Degree Requirements:**

Required Core (15 credit hours)

BMI 515 Applied Biostatistics in Medicine and Informatics (3)

EXW 645 Advanced Applied Methods and Data Analysis (3)

NTR 533 Ethics and Policy of American Diets (3)

NUR 608 Qualitative Research Design and Methods (3)

POP 605 Population Health Systems Science and Theory (3)

Track (15 credit hours)

Electives (30 credit hours)

Research (6 credit hours)

EXW 700 Research Methods (3)

EXW 701 Advanced Research Methods (3)

Other Requirement (6 credit hours)

POP 591 Seminar: Evaluating the Population Health Literature (3)

POP 780 Population Health Practicum (3)

Culminating Experience (12 credit hours)

POP 799 Dissertation (12)

Additional Curriculum Information

Students select from tracks in health equity, complex adaptive systems or urban environments for health.

Other requirement course POP 591 Seminar may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or a master's degree in any field from a regionally accredited institution. Preference is given to applicants who completed a data-based research thesis during their master's degree program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- professional resume
- writing sample (6-10 pages)

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants must submit a TOEFL score unless the requirements for an exception have been met. Details are available at <https://admission.asu.edu/international/graduate/english-proficiency>. (<https://admission.asu.edu/international/graduate/english-proficiency>)

An oral interview with program faculty (in person or videoconference) is required prior to acceptance

The personal statement should indicate research or scholarly interest, primary program area, statement of career goals and the name of a potential faculty mentor from the list of approved faculty mentors.

All applicants must have passed a graduate-level epidemiology course (e.g., EXW 642 Exercise Epidemiology, NTR 557 Nutritional Epidemiology, POP 598 Topic: Epidemiology) and a graduate-level research statistics course (e.g., EXW 501 Research Statistics or NTR 502 Statistics in Research) prior to admission, or if not completed prior to admission, must be completed prior to matriculating.

Students are expected to take a pretest in research methods and research statistics the summer prior to enrolling.

GRE scores (verbal, quantitative and writing) are not required, but are encouraged

It is expected that students admitted to the program have documented academic training and a strong interest in public health, health care or population health. Thus, depending on the student's academic training, background, scholarly interests and focus area, a student may be asked to take course deficiencies prior to or concurrently with graduate course enrollment.

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## Science of Health Care Delivery, MS (NHSKCDMS)

**Online Degree Search Title:** Science of Health Care Delivery, MS

**Campus:** Downtown Phoenix, Online

#### Program Description:

The MS program in science of health care delivery focuses on the study and design of systems, processes, leadership and management approaches used to optimize health care delivery and health for all. This degree program is for individuals interested in a career in the health care industry. It provides students with the knowledge and competencies they will need for contributing in a patient-centered, safe and cost-effective health care system.

The curriculum is centered on achieving high-value care through leadership, population health, informatics, systems engineering, health care management, and health economics and policy. Students learn Lean Six Sigma principles and apply them to health care delivery issues.

The program challenges students to work on innovative solutions to improve the U.S. health care system by simultaneously improving the health of the population, enhancing the patient experience and reducing per capita cost of care. Students apply concepts through case studies and team-based projects to facilitate integration of knowledge and competencies. Participating students work in a cohort through the program and are able to complete the degree in nine months (one academic year). Students are paired with leading health care delivery organizations to complete an applied capstone project during the program.

#### Degree Requirements:

30 credit hours including the required capstone course (HCD 550).

Required Core (24 credit hours)

HCD 501 Biostatistics and Data Management (3)

HCD 502 Health Care Systems and Design (3)

HCD 511 Health Economics, Policy and Payment Models (3)

HCD 520 Population Health (3)

HCD 532 Health Care Management and Finance (3)  
HCD 570 Process Engineering (3)  
HCD 575 Leadership and Professionalism (3)  
HCD 602 Health Informatics for Future Health Care Professionals (3)

Electives (3 credit hours)

Research (2 credit hours)

HCD 592 Research: Part One (1)

HCD 592 Research: Part Two (1)

Culminating Experience (1 credit hour)

HCD 550 Capstone (1)

Additional Curriculum Information

Elective coursework must be HCD 500 level courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as biology, chemistry, biochemistry, nursing, public health, pharmacy, biomedical informatics, social work, premed, prehealth, nutrition, health promotion or others.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of reference
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Three letters of reference from either academic or professional sources are required; reference letters from friends or relatives are not accepted. Letters demonstrating involvement in health care, community service or leadership are encouraged.

A personal statement must be submitted that explains how the applicant plans to contribute to the health care system after the degree is obtained, how the program will help the applicant achieve the applicant's goals, what the applicant's career aspirations are, and what interested the applicant in this degree program.

A phone or video conference interview with the admissions committee may be required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-science-health-care-delivery/>)

**Career Opportunities:**

Professionals with knowledge about innovations and improvements for health care delivery are in demand across the health care industry. The flexible program is also ideal for gap-year students who are pursuing entrance to medical and professional school prior to intended careers in health and health care.

Career examples for program graduates include:

- health care providers
- hospital administrators
- policy experts
- program managers

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**Science of Health Care Delivery (Certificate), Certificate (NHHCDGRCT)**

**Online Degree Search Title:** Science of Health Care Delivery (Graduate Certificate)

**Campus:** Online

**Program Description:**

The online, self-paced certificate program in science of health care delivery provides students a foundation in the science of health care delivery to address the current and future needs of the workforce in the health care industry.

Students can choose from multiple start dates and three tracks: leadership, quality and process improvement, and clinical informatics. All 15 credit hours of the graduate certificate program may be applied to the MS in science of health care delivery program for students interested in furthering their knowledge of this field.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

HCD 502 Health Care Systems and Design (3)

HCD 511 Health Economics, Policy and Payment Models (3)

HCD 520 Population Health (3)

Track (6 credit hours)

Additional Curriculum Information

Students select one of the following tracks: quality and process improvement, clinical informatics, and leadership.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The following disciplines are preferred: business or law (health care and business administration, economics, finance or law), engineering (biomedical engineering), general science (biology or physiology), health-related field (nursing, health policy or public health), or math or computer science (statistics or computer science).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- evidence of work experience
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

More than two years of work experience in a health-related field is preferred.

Applicants must have basic competencies in college-level math, general biology (or physiology) and statistics. Course equivalencies include:

BIO 181 General Biology I

BIO 182 General Biology II

HCD 300 Biostatistics

MAT 117 College Algebra

or other coursework, with approval of the academic unit.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-science-health-care-delivery/>)

**Career Opportunities:**

This innovative certificate program teaches skills and knowledge relevant for C-suite executives and administrators, health care providers (physicians, physician assistants, nurse practitioners and nurses), front line staff (respiratory therapists, occupational therapists, physical therapists and dietitians) and students in health-related disciplines.

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## Speech and Hearing Science, PHD (LAHEARPHD)

**Online Degree Search Title:** Speech and Hearing Science, PhD

**Campus:** Tempe

**Program Description:**

The interdisciplinary PhD program in speech and hearing science prepares scholars for careers in basic and applied research in academic, industrial or health care environments.

Students pursue an individualized program with the unifying theme of human communication and disorders. Courses tailored to students' specific interests are taken from a variety of departments. In addition to a self-designed program of study, concentrations are offered in auditory and language neuroscience and in translational genetics of communication abilities. Students should visit the department website for further details about these options.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (2 credit hours)

SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)

SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Culminating Experience (12 credit hours)

SHS 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, 28 credit hours from a previously awarded master's degree are allowed to be used for the degree.

Students complete content area coursework within speech and hearing science and other disciplines that can be tailored to the student's research interests. A student completes their plan of study under the guidance of their faculty mentor and program committee. A formal research experience during the first three semesters of the program provides students with a jumpstart into research, preparing the student for their subsequent dissertation research.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics, or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.



All applicants must submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate study
- application cover letter and personal statement
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. We welcome international applicants and have a strong record of training international students in our program. For all applicants of graduate programs at ASU, English proficiency is a requirement. There are several different avenues to demonstrate English proficiency, including through previous academic experiences in English, standardized tests, or through online courses. Please refer to ASU's Graduate College English proficiency requirements for more details about English proficiency requirements.

Professional letters of recommendation should be from three individuals who can speak to one or more of the following: academic performance, clinical performance, or potential to succeed in a research-intensive doctoral program. The letter writers are typically faculty, clinical or research supervisors. If the applicant has spent some time away from research or academia, it is still recommended to have some letters from those experiences, in addition to a more recent clinical or research supervisor.

In addition to uploading a letter of recommendation, letter writers are asked to rate the applicant on the following:

- academic performance
- analytical skills
- creativity and originality
- emotional maturity
- honesty and integrity
- intellectual potential
- mathematical and statistical skills
- motivation to complete a PhD
- oral communication skills
- promise as a researcher in the discipline
- working with others
- written communication skills.

Letter writers also are asked to respond to the following short answer questions or prompts:

- What is the context in which you have known the applicant?
- Describe instances where you have seen this person go above and beyond?
- Do you have any reservations about this applicant? If yes, what are they?

- Describe an instance where you have seen the applicant demonstrate technical, analytical or problem-solving skills.
- Would you admit this applicant to our PhD program? Why or why not?
- Please provide any additional comments regarding the applicant's potential.

The personal statement, typically one or two double-spaced pages, should address the student's motivation to pursue a PhD with a specific faculty mentor in the program and include evidence of potential to succeed in a research-intensive doctoral program and goals for the future. Examples of evidence of potential to succeed include technical skills, clinical experiences, and research achievements and interests.

#### **Career Opportunities:**

Doctoral-level scientists in the field of speech and hearing science are well situated to pursue positions in which they can lead independent research programs, such as a university professor or research scientist in the private or public sectors. There is a particular need for doctorate-level scientists with speech-language pathology or audiology backgrounds in tenure-track academic positions.

Career examples include:

- lecturer
- professor
- program officer at a nonprofit or government agency
- research analyst
- research scientist

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## **Speech and Hearing Science (Auditory and Language Neuroscience), PHD (NHSALPHD)**

**Online Degree Search Title:** Speech and Hearing Science (Auditory and Language Neuroscience), PhD

**Campus:** Tempe

#### **Program Description:**

The auditory and language neuroscience concentration within the PhD program in speech and hearing science trains scholars in basic and applied research in the fields of auditory and language neuroscience. Students develop a strong foundation from which to conduct impactful neuroscience research related to healthy auditory and language abilities as well as the neural bases of communication disorders.

This program's faculty are in a unique position to provide this integrated training experience because of the program's focus on innovative approaches to the field of speech, language and hearing science. Faculty backgrounds include engineering, neuroscience and psychology in addition to expertise in speech-language pathology and auditory neural prosthetics.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (2 credit hours)

SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)

SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Concentration (12 credit hours)

Research (21 credit hours)

SHS 792 Research (12)

research methods and statistics (9)

Electives or Additional Research (28 credit hours)

Other Requirements (9 credit hours)

SHS 790 Reading and Conference Professional Seminars (9)

preliminary exam (0)

comprehensive exams (0)

Culminating Experience (12 credit hours)

SHS 799 Dissertation (12)

Additional Curriculum Information

The concentration courses focus on issues related to auditory and language neuroscience. These credit hours may be accomplished in regular graduate-level (500+) courses or in special topic seminars and independent studies. The student's program committee guides selection of these courses, which may be focused on a broad base of areas related to auditory and language neuroscience.

Students should see the academic unit for approved concentration courses, professional seminars for SHS 790, research and electives. Other research and electives courses may be used with approval of the academic unit.

The preliminary exam research project is to be in the field of auditory or language neuroscience, or in both. Each student gives a formal presentation of their prospectus to their program committee. The defense for the preliminary exam research project includes a written document of the research project and an oral defense. This formal research experience during the first three semesters of the program provides students with a jumpstart into research, preparing the student for their subsequent dissertation research.

The comprehensive exams entail a written examination and an oral examination. The written exam takes one of the following formats: students write responses to questions posed by each committee member or students complete a written paper for each member of the committee.

For the proposed concentration, at least two of the three questions, or topics for the written papers, posed by the committee members must be focused in the area of auditory or language neuroscience, or in both. The comprehensive examination committee evaluates the written paper and the oral defense during a closed meeting with the student.

When approved by the student's supervisory committee and the Graduate College, this program allows 28 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 28 credit hours of coursework is to be made up of electives and research.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics, or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate study
- application cover letter and personal statement
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. We welcome international applicants and have a strong record of training international students in our program. For all applicants of graduate programs at ASU,

English proficiency is a requirement. There are several different avenues to demonstrate English proficiency, including through previous academic experiences in English, standardized tests, or through online courses. Please refer to ASU's Graduate College English proficiency requirements for more details about English proficiency requirements.

Professional letters of recommendation should be from three individuals who can speak to one or more of the following: academic performance, clinical performance, or potential to succeed in a research-intensive doctoral program. The letter writers are typically faculty, clinical or research supervisors. If the applicant has spent some time away from research or academia, it is still recommended to have some letters from those experiences, in addition to a more recent clinical or research supervisor.

In addition to uploading a letter of recommendation, letter writers are asked to rate the applicant on the following:

- academic performance
- analytical skills
- creativity and originality
- emotional maturity
- honesty and integrity
- intellectual potential
- mathematical and statistical skills
- motivation to complete a PhD
- oral communication skills
- promise as a researcher in the discipline
- working with others
- written communication skills.

Letter writers also are asked to respond to the following short answer questions or prompts:

- What is the context in which you have known the applicant?
- Describe instances where you have seen this person go above and beyond?
- Do you have any reservations about this applicant? If yes, what are they?
- Describe an instance where you have seen the applicant demonstrate technical, analytical or problem-solving skills.
- Would you admit this applicant to our PhD program? Why or why not?
- Please provide any additional comments regarding the applicant's potential.

The personal statement, typically one or two double-spaced pages, should address the student's motivation to pursue a PhD with a specific faculty mentor in the program and include evidence of potential to succeed in a research-intensive doctoral program and goals for the future. Examples of evidence of potential to succeed include technical skills, clinical experiences, and research achievements and interests.

#### **Career Opportunities:**

Doctoral-level scientists in the field of speech and hearing science are well situated to pursue positions in which they can lead independent research programs, such as a university professor or research scientist in the private or public sectors. There is a particular need for doctorate-level

scientists with speech-language pathology or audiology backgrounds in tenure-track academic positions.

Career examples include:

- lecturer
- professor
- program officer in a nonprofit or government agency
- research analyst
- research scientist

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/>  
HLTHN 401AA  
CHSGrad@asu.edu  
602-496-3300

## Speech and Hearing Science (Translational Genetics of Communication Abilities), PHD (NHSSTGPHD)

**Online Degree Search Title:** Speech and Hearing Science (Translational Genetics of Communication Abilities), PhD

**Campus:** Tempe

**Program Description:**

The translational genetics of communication abilities concentration within the PhD program in speech and hearing science provides doctoral students with training in an innovative approach to the clinical sciences, pioneered at ASU, in which the concepts of precision medicine are applied to all disciplines within communication sciences and disorders. Training in molecular genetics and bioinformatics equips students to investigate the interactions among genetic, brain-based and behavioral traits. Prior training in genetics is not required.

Knowledge of genotype-phenotype associations provides the foundation for the translational components of this program: early identification and intervention, individualized management and interprofessional approaches. Students have the option of focusing primarily on basic sciences aspects, on clinical translations, or both.

This program leverages strong research and clinical expertise at ASU's College of Health Solutions across clinical linguistics and its expertise in the biosciences and translational clinical sciences. Collaborating units at ASU include the Biodesign Institute, the School of Life Sciences and the College of Health Solutions, as well as many subspecialties such as bioinformatics, the Department of Psychology and many others.

Upon completion of this doctoral concentration, graduates have the skills to discover and understand networks of genotype-phenotype associations and to contribute to more effective clinical management of communication disorders using preventative, targeted and interprofessional methods.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (2 credit hours)

SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)

SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Concentration (12 credit hours)

Research (21 credit hours)

SHS 792 Research (12)

research methods and statistics (9)

Electives or Additional Research (28 credit hours)

Other Requirements (9 credit hours)

SHS 790 Reading and Conference Professional Seminars (9)

preliminary exam (0)

comprehensive exams (0)

Culminating Experience (12 credit hours)

#### Additional Curriculum Information

The concentration courses focus on issues related to translational genetics. These credit hours may be accomplished in regular graduate-level courses (500-level and higher) or in special topic seminars and independent studies. The student's program committee guides selection of these courses, which may be focused on a broad base of areas related to translational genetics. All doctoral graduates with this concentration are required to have foundational knowledge in genetics.

Students should see the academic unit for approved concentration courses, professional seminars for SHS 790, research and electives. Other research and electives courses may be used with approval of the academic unit.

The preliminary exam research project is to be within the field of translational genetics of communication abilities. Each student gives a formal presentation of their prospectus to their program committee. The defense for the preliminary exam research project includes a written document of the research project and an oral defense. This formal research experience during the first three semesters of the program provides students with a jumpstart into research, preparing the student for their subsequent dissertation research.

Prior to commencing dissertation research, the student must pass a comprehensive written examination covering their field of study, which must be orally defended.

When approved by the student's supervisory committee and the Graduate College, this program allows 28 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 28 hours of coursework is to be made up of electives and research.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- application cover letter and personal statement
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. International applicants are welcomed as this program has a strong record of training international students. For all applicants of graduate programs at ASU, English proficiency is a requirement. There are several different avenues to demonstrate English proficiency, including through previous academic experiences in English, standardized tests, or through online courses. Students should refer to ASU's Graduate College English proficiency requirements for more details about English proficiency requirements.

Professional letters of recommendation should be from three individuals who can speak to one or more of the following: academic performance, clinical performance, or potential to succeed in a research-intensive doctoral program. The letter writers are typically faculty, clinical or research supervisors. If the applicant has spent some time away from research or academia, it is still recommended to have some letters from those experiences, in addition to a more recent clinical or research supervisor.

In addition to uploading a letter of recommendation, letter writers are asked to rate the applicant on the following:

- academic performance
- analytical skills
- creativity and originality
- emotional maturity
- honesty and integrity
- intellectual potential
- mathematical and statistical skills
- motivation to complete a PhD
- oral communication skills
- promise as a researcher in the discipline

- working with others
- written communication skills.

Letter writers also are asked to respond to the following short answer questions or prompts:

- What is the context in which you have known the applicant?
- Describe instances where you have seen this person go above and beyond?
- Do you have any reservations about this applicant? If yes, what are they?
- Describe an instance where you have seen the applicant demonstrate technical, analytical or problem-solving skills.
- Would you admit this applicant to our PhD program? Why or why not?
- Please provide any additional comments regarding the applicant's potential.

The personal statement, typically one or two double-spaced pages, should include motivation to pursue a PhD with a specific faculty mentor in the program, evidence of potential to succeed in a research-intensive doctoral program, and goals for the future. Examples of evidence of potential to succeed include technical skills, clinical experiences, and research achievements and interests.

### **Career Opportunities:**

Doctoral-level scientists in the field of speech and hearing science are well situated to pursue positions in which they can lead independent research programs, such as a university professor or research scientist in the private or public sectors. There is a particular need for doctorate-level scientists with speech-language pathology or audiology backgrounds in tenure-track academic positions.

Career examples include:

- lecturer
- professor
- program officer in a nonprofit or government agency
- research analyst
- research scientist

### **Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/>  
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602-496-3300

## **Strength and Conditioning, MS (NHSTRCDMS)**

**Online Degree Search Title:** Strength and Conditioning, MS

**Campus:** Downtown Phoenix

### **Program Description:**

The MS program in strength and conditioning focuses on specialized knowledge of human physiology and movement mechanics to optimize the physical abilities of active groups, including athletic and tactical populations, and to prevent injury-related problems.

Required courses address advances in health and performance monitoring, how to design successful exercise and recovery programs for maximum physical performance, and coaching strategies that motivate increased individual effort in sport or work. Students gain practical experience that hones their coaching skills and refines their abilities to motivate individuals to achieve the increased workloads that are necessary for performance improvement.

This program prepares students to sit for one of these certification examinations offered through the National Strength and Conditioning Association: Certified Strength and Conditioning Specialist, Tactical Strength and Conditioning Facilitator, or Certified Performance Sports Scientist.

### **Degree Requirements:**

Required Core (24 credit hours)

KIN 520 Applied Sport Psychology (3)

KIN 530 Exercise and Sport Physiology (3)

KIN 540 Sport Biomechanics (3)

NTR 555 Nutrition and the Athlete (3)

SSP 501 Data Collection, Analysis and Interpretation in Strength and Conditioning (3)

SSP 530 Advanced Performance Programming (3)

SSP 534 Measurement and Monitoring in Sport and Fitness (3)

SSP 560 Performance Sports Coaching (3)

Other Requirements (6 credit hours)

SSP 584 Internship (6)

Culminating Experience (0 credit hours)

written comprehensive exam (0)

Additional Curriculum Information

The written comprehensive exam covers the three coaching application courses SSP 530, SSP 534 and SSP 560.

The internship is a fully immersive experience working under a certified strength and conditioning specialist. Hours are spent learning all aspects of the job in addition to best practices for improving athletic performance.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in exercise science, kinesiology, sports science, exercise physiology, human movement, physical education or a related field from a regionally accredited institution. Applicants with a bachelor's degree in another area may apply and be considered if they can demonstrate that they have experience in strength and conditioning.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

If an applicant does not have a bachelor's degree in one of the areas listed above but has strength and conditioning experience, evidence must be included in either in the professional resume or written statement.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/graduate>



## Integrative Sciences and Arts, College of

### Applied Biological Sciences, MS (TSAPBIOSMS)

**Online Degree Search Title:** Applied Biological Sciences, MS

**Campus:** Polytechnic

#### Program Description:

The MS program in applied biological sciences offers advanced instruction in the ecology and sustainable management of natural and urban ecosystems. Rigorous programs of study involving field and laboratory work are custom-designed to apply ecological or biological principles to problems in species or ecosystem conservation. All programs culminate with the completion of an intensive, research-based thesis or applied project.

The program is supported by faculty members with backgrounds in:

- ecological restoration
- environmental microbiology
- environmental stress physiology
- desert horticulture
- plant-fungal ecology
- plant systematics
- riparian and stream ecology
- wildlife biology

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Biological Sciences (Applied Biological Sciences), BS
- Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS
- Applied Biological Sciences (Natural Resource Ecology), BS
- Applied Biological Sciences (Preveterinary Medicine), BS
- Applied Biological Sciences (Secondary Education in Biology), BS
- Applied Biological Sciences (Sustainable Horticulture), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (ABS 592 and ABS 593).

Required Core (3 credit hours)

ABS 550 Vegetation Dynamics (3) or

ABS 555 Wildlife Dynamics (3)

Electives or Research (21 credit hours)

Culminating Experience (6 credit hours)

ABS 592 Research (3) and ABS 593 Applied Project (3)

ABS 599 Thesis (6)

Additional Curriculum Information

The electives coursework is chosen to support the student's educational objectives.

Students choose a thesis or applied project option. A final oral examination covering the thesis and related subject matter is required.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores or Miller Analogies Test scores
- resume
- statement of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants are expected to have completed 18 credit hours in biological sciences and closely related courses. Specific fields of study may have specific expectations regarding courses taken at the undergraduate level. Applicants not meeting these course requirements may be considered for admission with deficiencies.

The statement of intent (the maximum is 600 words) should explain the applicant's interest in environmental resources, academic background and educational objectives.

The letters of recommendation should be from references who are qualified to comment on the applicant's potential in the selected area of study.

Department faculty evaluate the applications and supporting materials and recommend to Graduate Admission Services whether the applicant should be granted admission, either regular or provisional, or denied admission. If admission is provisional, the Graduate College specifies in its letter of admission the provisions that need to be met to gain regular status. The school informs successful applicants of the procedures for enrollment.

#### **Career Opportunities:**

Professionals with expertise in the study of evolution, natural history and conservation of plants and animals are in high demand across sectors and industries, including county and state organizations as well as community management. Those with skills in laboratory work, field research and data analysis are valuable to businesses and institutions that are building deep connections within leading scientific and technological industries to create innovative solutions to challenging global problems in a technologically focused 21st century world. Studying biology can lead to a wide range of careers, from research to teaching, health care to policy development.

Career examples include:

- biologists
- fish and wildlife biologists
- medical scientists
- natural science managers
- postsecondary biological science teachers

#### **Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## **Counseling, MC (EDCOUNMC)**

**Online Degree Search Title:** Counseling, MC

**Campus:** Tempe

#### **Program Description:**

The MC program is approved by the Arizona Board of Behavioral Health Examiners (<https://www.azbbhe.us/node/553>) (<https://www.azbbhe.us/node/553>).

The mission of the 60 credit hour program is to prepare students to become licensed professional counselors in Arizona and other states with comparable licensure requirements.

With its strong focus on multicultural counseling across the lifespan, students in the Master of Counseling program learn to promote the health of individuals, families, groups and organizations in a diverse society.

Faculty research foci include:

- advocacy
- children and adolescents
- counseling process and outcome
- couple and family relationships
- crisis assessment
- culturally responsive treatment
- immigrant well-being
- mental health disparities
- play therapy

The program also instills in students the importance of research in advancing the counseling profession. The crucial link between practice and research is evident in the three complementary functions of the program's state-of-the-art Counselor Training Center: clinical service provision, high-quality training, and innovative process and outcome research.

The Master of Counseling program has endorsed the American Counseling Association's Code of Ethics and the following American Counseling Association competencies: ALGBTIC Competencies for Counseling LGBTQIA Individuals (2012), Competencies for Counseling the Multiracial Population (2015), Multicultural and Social Justice Counseling Competencies (2015), Competencies for Addressing Spiritual and Religious Issues in Counseling (2009) and Multicultural Career Counseling Competencies (2009).

#### **Degree Requirements:**

60 credit hours and a thesis, or 60 credit hours and a written comprehensive exam.

Required Core (36 credit hours)

CED 501 Introduction to Research and Evaluation in Counseling (3)

CED 502 Counseling Research Data Analysis (3)

CED 522 Theories of Counseling and Psychotherapy (3)

CED 523 Psychological Tests (3)

CED 527 Prevention and Consultation (3)

CED 529 Lifespan Human Development (3)

CED 534 Occupations and Careers (3)

CED 545 Analysis of the Individual (3)

CED 567 Group Dynamics and Counseling (3)

CED 577 Counseling Prepracticum (3)

CED 645 Professional Issues and Ethics (3)

CED 671 Multicultural Counseling (3)

Electives or Research (6-12 credit hours)

Other Requirements (12 credit hours)

CED 680 Practicum: Seminar (3)

CED 680 Practicum: Clinic (3)

CED 684 Internship (6)

Culminating Experience (0-6 credit hours)

CED 599 Thesis (6) or

written comprehensive exam (0)

Additional Curriculum Information

Students choose either a thesis or written comprehensive exam pathway. The written comprehensive exam is for students in the practitioner pathway, and they take 12 credit hours of elective coursework. The thesis option is for students who are focusing their program on research, and they take six credit hours of research coursework plus six credit hours of thesis.

The clinical portion of the program is comprised of CED 680 Practicum Seminar and Clinic and CED 684 Internship. These are required for all students. CED 580 Practicum Clinic and CED 584 Internship may be taken by students needing to log required clinical hours after CED 680 and CED 684 are completed. CED 580 and CED 584 are not required unless additional clinical hours are needed.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two- to three-page personal statement
- at least two and a maximum of three letters of recommendation
- proof of English proficiency

**Additional Admission Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. This program requires a TOEFL score of at least 600 (pBT) or 100 (iBT).

Finalists are invited for a virtual interview.

**Nonacademic, Professional, or Life Experiences:**

Applicants are required to submit a two- to three-page personal statement (12pt. Times New Roman font with 1" margin, double-spaced) that indicates their qualifications (e.g., professional experiences and personal attributes) and interest in ASU's MC program. Specifically, applicants are asked to describe how their education and training as well as volunteer and professional experiences inform why they want to pursue the MC degree. They also should outline how the program will help them meet their future goals. Applicants are expected to discuss their ability to work and be sensitive to the needs of a multicultural and diverse society, including (but not limited to) members of diverse racial and ethnic groups and sexual minority individuals.

**Recommendations:**

At least two and at most three recommendation letters are required. These should be from persons able to evaluate the applicant's academic potential (e.g., faculty member) and professional or volunteer experience (e.g., a supervisor). Applicants are discouraged from asking for recommendations from individuals or acquaintances who have not overseen their professional, volunteer, or academic work.

Students should see the program website for application deadlines.

**Career Opportunities:**

Graduates of the Master of Counseling program meet licensure requirements as a professional counselor with the Arizona Board of Behavioral Health Examiners. Because requirements vary by state, students should consult the licensing requirements for the state in which they tend to reside.

Graduates provide clinical services in a range of settings, such as community agencies, hospitals, private practice and university counseling centers. The program also prepares graduates who wish to pursue doctoral-level studies.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/graduate/ccp>  
EDB 446  
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480-965-8733

**Counseling Psychology, PHD (EDCPSYPHD)**

**Online Degree Search Title:** Counseling Psychology, PhD

**Campus:** Tempe

**Program Description:**

This American Psychological Association-accredited PhD program in counseling psychology adheres closely to the scientist-practitioner training model in preparing graduates for employment in academic and clinical settings.

Although faculty interests are diverse, there is a common emphasis on using empirical data as the basis for culturally-responsive professional practice. The program boasts a strong commitment to diversity, equity and inclusion as evidenced in course offerings, clinical training, professional development activities and research foci.

Faculty research foci include the following:

- acculturative stress
- cultural socialization
- immigrant well-being
- mental health disparities
- microaggressions
- psychotherapy process and outcome
- retention in graduate education
- social and personal relationships
- socioeconomic status and financial stress

Students enjoy exceptional clinical opportunities including placement in local hospitals, university and college counseling centers, community agencies and assessment sites. The program's state-of-the-art Counselor Training Center provides practicum experiences with campus and community clients as well as clinical supervision experiences. The center supports three complementary functions: clinical service provision, high-quality training, and innovative process and outcome research.

**Degree Requirements:**

113 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral curriculum typically requires three to four years of full-time graduate study plus a yearlong internship in an APA-approved setting. Each of these years involves coursework pertaining to theory, research and practice in counseling psychology.

Students are expected to maintain full-time status. This requirement applies only to the academic year and not summer sessions.

At a minimum, students are required to complete two years of coursework in residence at ASU.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- a completed biographical information form
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement should be single-spaced, roughly 600-800 words, and it should describe the applicant's history, academic and professional goals, and reasons for selecting the counseling psychology program at ASU.

Applicants must submit a sample of their expository writing (e.g., taken from a paper prepared for a course or a report on a project the applicant has completed in this field) not to exceed 1MB.

At least two of the recommendation letters must be from persons familiar with the applicant's academic work.

Applicants should see the program website for application deadlines.

**Career Opportunities:**

Graduates of the American Psychological Association-accredited counseling psychology doctoral program meet the licensure requirements of most states. Because requirements vary by state, we recommend that students consult the licensing requirements for the state in which they intend to reside. Graduates provide clinical services in a variety of settings, such as community agencies, hospitals, private practice and university counseling centers. Graduates also are employed in academic positions in universities across the country.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
EDB 446  
ccp@asu.edu  
480-965-8733

## Integrative Social Science, MS (LSISSMS)

**Online Degree Search Title:** Integrative Social Science, MS

**Campus:** Polytechnic

**Program Description:**

The MS in integrative social science is an advanced degree program designed to cross-educate students in the social sciences in order to meet the complex issues that confront human society in a technically sophisticated 21st century world.

The emphasis of the program lies in bridging traditional disciplinary boundaries to immerse students in the myriad theories and skills available across disciplines which would elude them in traditional disciplinary social science programs. Thus, graduates of the program are prepared with theory and research skill sets that allow them to draw from the best of the multiple disciplines of the social sciences.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Integrative Social Science, BS
- Political Science, BS
- Science, Technology and Society, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including a thesis, or 30 credit hours including an applied project (ISS 593).

## Required Core (12 credit hours)

- ISS 501 Advanced Integrated Social Research Methods (3)
- ISS 502 Advanced Seminar in Integrated Social Science (3)
- ISS 504 Advanced Integrated Theories of Social Science (3)
- ISS 505 Multivariate Methodologies of Social Science (3)

## Electives or Research (12 credit hours)

## Other Requirement (3 credit hours)

- ISS 584 Internship (3)

## Culminating Experience (3-6 credit hours)

- ISS 593 Applied Project (3) or
- ISS 599 Thesis (6)

## Additional Curriculum Information

Students choose either the thesis or applied project option. The internship is only required for students in the applied project option and is a structured practical experience that follows a contract or plan that is supervised by faculty and practitioners.

For the elective and research coursework, students choose from a list of preapproved courses for a total of 12 credit hours. Students should contact the academic unit for a list of possible courses. Other courses may be used with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any social science or interdisciplinary field such as political science, sociology, philosophy, economics, psychology, public policy, administration or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

Professionals with expertise in analyzing complex social and global issues are in high demand across sectors and industries, including business, public administration, politics and community organizations. Those who possess skills in the analysis of social phenomena and complex social problems are valuable to businesses and institutions relying on data-driven strategies for engagement and growth.

Career examples include:

- city planner
- community health worker
- mediator
- regulatory affairs manager
- transportation planner

**Contact Information:**

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## Liberal Studies, MLSt (LAML SMLS)

**Online Degree Search Title:** Liberal Studies, MLSt

**Campus:** Tempe, Online

**Program Description:**

The MLSt program offers students interested in a transdisciplinary approach to human ideas and values an opportunity to expand their liberal arts backgrounds.

The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts.

This interdisciplinary approach trains students in the skills needed for the jobs of the future: communication, research and an understanding of the diverse and changing world.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English, BA

History, BA

Interdisciplinary Studies, BA

Interdisciplinary Studies (Organizational Studies), BA

Liberal Studies, BA  
Organizational Leadership, BA  
Organizational Leadership (Project Management), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (MLS 593).

Required Core (9 credit hours)

MLS 501 Writing About Social Issues (3)

MLS 502 Religion, Culture and Health: Where Cultures Intersect (3)

MLS 503 Ethics, Science and Culture (3)

MLS 504 Film Analysis (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

MLS 593 Applied Project (3)

Additional Curriculum Information

Students choose three of the four courses listed above to fulfill the nine credit hour core requirement.

Emphasis areas available are borders (migration, health and cultural identity); gender, religion and culture; and science, nature and creative nonfiction writing.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-liberal-studies/>)

**Career Opportunities:**

Professionals with excellent critical problem-solving and communication skills are in high demand across sectors and industries, including business, media, entertainment, politics and community organizations. Skills in communication, creative practice, as well as the collection and critical analysis of data for the development of impactful content are valuable to businesses, nonprofit sectors and institutions relying on relevant strategies to engage and serve diverse audiences.

Career examples include:

- archivist
- business manager of artists, performers and athletes
- market research analyst
- public relations specialist
- writer or creative writer



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**Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)**

**Online Degree Search Title:** Liberal Studies (Film and Media Studies), MLSt

**Campus:** Tempe

**Program Description:**

The MLSt program with a concentration in film and media studies offers students interested in a transdisciplinary approach to international human ideas and values an opportunity to expand their liberal arts background through the study of film and media in society.

The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts.

Studies focus on the aesthetics and theory of international film and media.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- English, BA
- History, BA
- Interdisciplinary Studies, BA
- Interdisciplinary Studies (Organizational Studies), BA
- Liberal Studies, BA
- Organizational Leadership, BA
- Organizational Leadership (Project Management), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (MLS 593).

Required Core (9 credit hours)

- MLS 501 Writing About Social Issues (3)
- MLS 502 Religion, Culture and Health: Where Cultures Intersect (3)
- MLS 503 Ethics, Science and Culture (3)
- MLS 504 Film Analysis (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

- MLS 593 Applied Project (3)

Additional Curriculum Information

Students choose three of the four courses listed above to fulfill the nine credit hour core requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### Career Opportunities:

Professionals with excellent critical problem-solving and communication skills are in high demand across sectors and industries, including business, media, entertainment, politics and community organizations. Skills in communication, film and media analysis, creative practice, as well as the collection and critical analysis of diverse data for the development of impactful content are valuable to businesses, nonprofit sectors and institutions relying on relevant strategies to engage and serve diverse audiences.

Career examples include:

- archivist
- film editor
- market research analyst
- producer or director
- public relations specialist
- writer or creative writer

#### Contact Information:

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## Narrative Studies, MA (LSNRSMA)

**Online Degree Search Title:** Narrative Studies, MA

**Campus:** Polytechnic

#### Program Description:

The MA in narrative studies is a comprehensive program that explores narrative and storytelling across a range of cultures and historical periods.

With an emphasis on teaching and research, the program includes coursework that encourages students to pursue transdisciplinary inquiry.

The degree program primes graduates for critical and eloquent engagement with the world beyond the university. Graduates are equally prepared to become candidates for further academic studies, to advance their careers as area educators in the language arts, and to step into one of the many professions that value creativity, critical thinking and highly skilled communication, including teaching, writing, online publishing and editing.

#### Degree Requirements:

30 credit hours including the required capstone course (ENG 597).

Required Core (6 credit hours)

ENG 503 History of Narrative (3)

ENG 509 Studies in Narrative Writing (3)

Electives or Research (21 credit hours)

Culminating Experience (3 credit hours)

ENG 597 Graduate Capstone Seminar (3)

#### Additional Curriculum Information

Students choose six courses from a restricted list for a total of 21 credit hours. Students should see the academic unit for the approved course list. Other courses (ENG, COM, FMS, HST or appropriate field) may be utilized for up to six credit hours with approval from the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as English or any humanities discipline.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- written letter of intent that includes a detailed statement of purpose
- portfolio of at least three documents
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The portfolio must include at least three documents that demonstrate the applicant's ability to write in a variety of genres. Portfolio documents can include both academic and professional writing for a range of audiences and purposes. At least one of the documents must be a sample of academic writing. One of the three documents can be a sample of creative writing. The portfolio should be 15 to 30 total pages in length. The writing samples in the portfolio are evaluated using a rubric that considers several criteria, including intellectual focus, strength of argument and documentation, awareness of audience, organization, clarity, mechanical soundness and overall effectiveness.

The letters of recommendation should be either academic or professional and speak to the background and capabilities of the applicant.

**Career Opportunities:**

Professionals with expertise in narrative are in high demand across many sectors and industries, including publishing, media, entertainment, marketing and politics. Skills in crafting and interpreting narratives are valuable to businesses and institutions that communicate, entertain and educate.

Career examples include:

- copy writer
- creative writer
- editor
- freelance writer
- high school teacher

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## Organizational Leadership, MS (LSORGLMS)

**Online Degree Search Title:** Organizational Leadership, MS

**Campus:** Polytechnic, Tempe, Online

**Program Description:**

The MS program in organizational leadership offers a theoretically and methodologically rigorous approach to studying and creating use-inspired research needed to impact organizational leadership.

Students explore areas such as organizational dynamics, institutional evolution, strategic change, leading diverse teams, collaborative governance, conflict mediation, critical problem-solving and leadership assessment, and they learn advanced methodological and statistical skills.

The program places special emphasis on learning best practices and other applied aspects of leading organizations. Students tailor their degree to their interests through a vast array of leadership elective courses. In consultation with a faculty advisor, students choose from many different

elective courses, such as not-for-profit leadership and intercultural leadership.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- English, BA
- History, BA
- Interdisciplinary Studies, BA
- Interdisciplinary Studies (Organizational Studies), BA
- Liberal Studies, BA
- Organizational Leadership, BA
- Organizational Leadership (Project Management), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a thesis, or 33 credit hours including the required applied project course (OGL 593).

Required Core (9 credit hours)

- OGL 520 Organizational Leadership: Social Psychological Perspectives (3)
- OGL 530 Critical Perspectives in Leadership Theory (3)
- OGL 540 Evidence-based Inquiry in Organizational Leadership (3)

Required Methods Courses (6 credit hours)

- NLM 530 Program Evaluation and Information Management (3)
- OGL 550 Leading Organizational Change (3)
- OGL 570 Analyzing Organizations (3)
- OGL 571 Advanced Leadership Assessment (3)
- OGL 574 Qualitative Data Analysis in Leadership Research (3)
- OGL 575 Quantitative Data Analysis in Leadership Research (3)
- OGL 576 Advanced Multivariate Data Analysis (3)
- OGL 577 Structural Equation Modeling in Organizational Leadership Research (3)
- OGL 578 Agent-based Modeling to Address Complexity in Leadership Research (3)

Restricted Electives (12 or 15 credit hours)

Culminating Experience (3 or 6 credit hours)

- OGL 593 Applied Project (3)
- OGL 599 Thesis (6)

Additional Curriculum Information

Students complete either an applied project or thesis for the culminating experience.

For the required methods coursework, students select two courses from the above list to fulfill the requirement.

Students select four or five courses from a restricted elective list depending on the culminating experience selected. Students should see the academic unit for the approved restricted elective list.

Other courses may be used for the methods and elective coursework with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any area or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts

- letter of intent
- professional resume
- two letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. This applicant is expected to have either a TOEFL score of 600 on the traditional paper-based test or 100 on the internet-based test, or the applicant must have a passing score in the English for Graduate Admission online course through ASU Global Launch.

GRE or GMAT scores are recommended but not required.

All applicants must submit a written letter of intent that includes a detailed statement of purpose addressing how the program goals coincide with the student's personal and professional objectives. The essay is evaluated on the basis of content, presentation and evidence of graduate-level writing ability; the essay maximum is 500 words.

The professional resume or curriculum vitae are limited to two pages in length.

Applicants must submit two letters of reference that focus on the ability of the applicant to do academic work.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

#### Career Opportunities:

Professionals with skills and expertise in critical thinking, organizational social psychology, teamwork, strategic change and leadership theory are in high demand across global industries. Organizations such as governmental agencies, Fortune 500 companies and those in the nonprofit sectors look for prepared professionals with a wide array of the skills that are optimized throughout this degree program.

Career examples include:

- CEO
- college professor
- human resource manager
- market research analyst
- training and development manager

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## Technical Communication, MS (LSTCCMMS)

**Online Degree Search Title:** Technical Communication, MS

**Campus:** Polytechnic, Online

#### Program Description:

The MS degree program in technical communication teaches students how to design, produce and manage print and digital texts using traditional and developing technologies.

The curriculum provides students with a comprehensive understanding of the professional, cultural and ethical issues that shape the field; it balances theory and practice to ensure students develop the analytical abilities, technology expertise and hands-on skills necessary for success as a technical communicator.

Students who complete the program are accomplished writers, editors, designers and researchers who are able to respond effectively to a range of audiences, issues and communication situations, and they are prepared for technical communication positions in the private, public and nonprofit sectors and offers professionals the opportunity to further advance their careers.

#### Degree Requirements:

36 credit hours including a thesis, or 36 credit hours including the required applied project course (TWC 593), or 36 credit hours including the required capstone course (TWC 596).

Required Core (6 credit hours)

TWC 504 Applied Rhetoric and Technical Communication (3)

TWC 505 Research in Technical and Applied Communication (3)

Restricted Electives (21 or 27 credit hours)

Other Requirement (0 or 3 credit hours)

TWC 506 Research Design and Development (3)

Culminating Experience (3 or 6 credit hours)

TWC 593 Applied Project (6) or

TWC 596 Technical Communication Capstone (3) or

TWC 599 Thesis (6)

Additional Curriculum Information

Students who do not have previous technical communication coursework or relevant industry experience must take TWC 501 Fundamentals of Technical Communication (3) as a restricted elective. For a full list of the approved elective courses, students should inquire at the academic unit offices.

Students complete an applied project, capstone course or thesis for the culminating experience. Students who choose the capstone option will complete a total of 27 elective credit hours.

TWC 506 is a requirement for students completing an applied project or thesis only.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- portfolio
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Since this degree requires a high degree of proficiency in English, an applicant whose native language is not English is expected to have one the following TOEFL scores: 600 traditional paper-based, 100 internet-based, or 250 computer-based.

All applicants must submit a written letter of application that includes a detailed statement of purpose as well as a portfolio of at least three documents that demonstrate the applicant's ability to write in a variety of genres. Portfolio documents can include both academic and professional writing for a range of audiences and purposes and need not be in the area of technical communication. The portfolio should be 15 to 30 pages in length. The writing samples in the portfolio are evaluated using a rubric that considers several criteria, including a demonstration of the ability to focus on a specific purpose and to meet audience needs and show organization, clarity, mechanical soundness and overall effectiveness.

All applicants must submit three letters of reference, either academic or professional, that speak to the background and capabilities of the applicant.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-technical-communication/>)

#### **Career Opportunities:**

Professionals with expertise in technical communication are in high demand across sectors and industries, including technology, business, entertainment, education and community organizations. Skills in the analysis of users and data, writing and creating visuals, and managing online and multimedia content are valuable to businesses and institutions relying on rhetorical awareness and understanding of complex information to manage specialized content and to translate them to broad audiences for maximum impact.

Career examples include:

- instructional designer
- IT project managers
- public relations manager
- social media manager
- technical writer
  - user experience specialist
- web content developer

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## Technical Communication (certificate), Certificate (LSTECGRCT)

**Online Degree Search Title:** Technical Communication (Graduate Certificate)

**Campus:** Polytechnic, Online

**Program Description:**

Through the technical communication program, students learn how to produce and communicate technical information using traditional and digital technologies.

**Degree Requirements:**

18 credit hours.

Core Requirement (9 credit hours)

TWC 501 Fundamentals of Technical Communication (3)

Choose two of the following courses:

TWC 511 Principles of Visual Communication (3)

TWC 521 Principles of Web Authoring (3)

TWC 531 Principles of Technical Editing (3)

Electives (9 credit hours)

Additional Curriculum Information

Students choose any 500-level TWC courses as their electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Disclosure information for this U.S. Department of Education Gainful Employment program is available at <https://catalog.asu.edu/files/disclosures/LSTECGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LSTECGRCT/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/technical-communication-graduate-certificate/>)

#### Career Opportunities:

Graduates who have combined the certificate in technical communication with their major program of study may be more marketable to employers. They often decide to pursue employment in technical writing, web content development and editing.

#### Contact Information:

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## User Experience, MS (ESUSEXMS)

**Online Degree Search Title:** User Experience, MS

**Campus:** Polytechnic, Online

#### Program Description:

The MS program in user experience combines topics in web, human factors, visual displays and technical communication to make products, systems and services useful, usable and desirable.

Students learn how to research user needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered evaluation methods. User experience skills are increasingly valued by industry yet are not typically covered in depth in traditional engineering or technical communication programs.

Students enhance their employment potential with a master's degree in user experience.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Graphic Information Technology (User Experience), BS
- Human Systems Engineering (User Experience), BS
- Technical Communication (User Experience), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours including a required capstone course (GIT 560 or HSE 560 or TWC 560).

Required Core (18 credit hours)

- GIT 540 Cross-Media Design Solutions (3)
- GIT 542 Usability and User Experience (3)
- HSE 521 Methods and Tools in Human Systems Engineering (3)
- HSE 542 Foundations of Human Systems Engineering (3)
- TWC 501 Fundamentals of Technical Communication (3)
- TWC 544 User Experience (3)

Electives or Research (9 credit hours)

Culminating Experience (3 credit hours)

- GIT 560 Capstone in User Experience (3) or
- HSE 560 Capstone in User Experience (3) or



## TWC 560 Capstone in User Experience (3)

### Additional Curriculum Information

Students should see the academic units for a complete list of approved electives and research courses. Other courses may be used with approval of the academic units.

Students choose one capstone course as the culminating experience for the program.

### Admission Requirements:

Applicants must fulfill the requirements of the Graduate College, the Ira A. Fulton Schools of Engineering and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in related fields such as psychology, graphic information technology, graphic design, human systems engineering, business, cognitive science, design or technical communication from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- writing sample
- GRE scores
- two letters of recommendation
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Graduate Admission Services website at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>). Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. <https://globallaunch.asu.edu/learn-english/online-english/english-for-admission> (<https://globallaunch.asu.edu/learn-english/online-english/english-for-admission>)

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email [polygrad@asu.edu](mailto:polygrad@asu.edu) (<mailto:polygrad@asu.edu>) to request a waiver. They can also submit a GRE waiver request form if they have five years of full-time applicable professional experience: [https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf) ([https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request\\_04.2019.pdf](https://poly.engineering.asu.edu/wp-content/uploads/2019/05/GRE-Waiver-Request_04.2019.pdf)). An approved waiver does not guarantee admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/online-user-experience-masters/>)

### Career Opportunities:

Graduates with this degree can typically expect to find jobs in the areas of:

- design research
- digital visualization design
- human-computer interaction
- human factors research
- interaction design
- interface design
- usability testing
- user experience
- user research

### Contact Information:

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## Interdisciplinary Arts and Sciences, New College of

### Biological Data Science, MS (ASBDSMS)

**Online Degree Search Title:** Biological Data Science, MS

**Campus:** West

#### **Program Description:**

The MS program in biological data science provides students with real-world training at the interface of the natural and mathematical sciences.

Students learn to manipulate big data, including the generation and analysis of data using statistical and computational toolsets. Students use their analytical skills in ecological, environmental, toxicological and other biological applications. The program incorporates multiple levels of experiential learning to ensure students gain critical thinking skills on top of core competencies.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Computing, BS
- Applied Mathematics, BS
- Biology, BA
- Biology, BS
- Pharmacology and Toxicology, BS
- Statistics, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

32 credit hours and a thesis, or 32 credit hours including the required applied project course (ACO 593, BIO 593 or MAT 593).

##### Required Core (12 credit hours)

- ACO 501 Database Systems and Problem Solving in Python (3)
- BIO 514 Statistical Models for Biology (4)
- LSC 519 Applied Learning Lab (1)
- LSC 547 Wet Laboratory Experience (1)
- STP 560 Experimental Statistics in Biology (3)

##### Other Requirements (9 credit hours)

- LSC 555 Integrative Biology I (3)
- LSC 556 Integrative Biology II (3)
- LSC 562 Applied Mathematics Techniques in Biology (3)

##### Electives or Research (5 credit hours)

##### Culminating Experience (6 credit hours)

- ACO 593 Applied Project (6)
- BIO 593 Applied Project (6)
- MAT 593 Applied Project (6)
- ACO 599 Thesis (6)
- BIO 599 Thesis (6)
- MAT 599 Thesis (6)

##### Additional Curriculum Information

Other requirement, elective and research coursework may be substituted with approval of the academic unit. Students should see the academic unit for the approved electives and research course list.

Students choose one culminating experience option based on their emphasis area in biological data science.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as biology, mathematics, statistics or computing, as well as unrelated fields, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

It is preferred that letters of recommendation be from faculty members who know the applicant's work well; if these are not available, letters of recommendation from individuals in supervisory or professional roles will be accepted.

The statement of purpose should describe one's educational background, scholarly interests, and academic and professional goals.

Depending on student's educational background, deficiency courses may be required.

**Career Opportunities:**

The proliferation of big data sets generated in biological science fields has dramatically increased the demand for individuals with the solid skill sets they need to manipulate and interpret this data.

Graduates are ready to enter one of the fastest-growing job markets to work with consulting firms, government agencies as well as nongovernmental organizations, in data science, informatics, data analytics, database development and mathematical modeling of biological systems that are relevant to a variety of industries. They are well suited to employment in positions such as:

- biomedical researcher
- bioinformatics data scientist
- chemical biology data scientist
- clinical data analyst
- computational biologist
- data engineer, data mining engineer
- database developer
- fisheries scientist, dairy scientist, animal scientist
- genomic scientist
- natural resources data scientist
- programmer
- pharmaceutical scientist
- visualization specialist

Graduates also are ready to seek advanced professional or graduate degrees, such as in medical, dental, veterinary and public health fields.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/biological-data-science-ms>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

## Communication Studies, MA (ASCOMSTMA)

**Online Degree Search Title:** Communication Studies, MA

**Campus:** West

### **Program Description:**

The MA in communication studies is a cutting-edge degree program designed for students who wish to pursue a wide range of today's communication professions.

With special emphases on both advocacy and social technologies as defining themes, students can tailor the program to their personal goals, focusing on topics such as interpersonal, organizational, sport, environmental, social media politics and global or technology-mediated communication.

Students use multiple perspectives to explore a variety of topics and issues in communication.

These include how individuals and collectives participate effectively in personal relationships, organizational settings and public dialogues across cultural contexts, and the impact and effects of media, mediated representations and new technologies. They also learn to use communication strategically to advocate for others.

Graduates are prepared to pursue doctoral work or careers in a variety of communication-driven fields such as public affairs, public relations, employee development, strategic communication, community relations and grassroots movements through exposure to a variety of research methods, theories and practical applications.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- American Studies, BA
- Applied Science, BAS
- Biology, BA
- Communication, BA
- Communication, BS
- Environmental Science, BA
- Ethnicity, Race and First Nations Studies, BA
- History, BA
- Interdisciplinary Arts and Performance, BA
- Interdisciplinary Arts and Sciences, BA
- Latin American Studies, BA
- Philosophy, Religion and Society, BA
- Political Science, BS
- Political Science, BA
- Psychology, BA
- Psychology, BS
- Social and Behavioral Sciences, BA
- Social and Behavioral Sciences, BS
- Sociology, BA
- Sociology, BS
- Women and Gender Studies, BS
- Women and Gender Studies, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

36 credit hours and a written comprehensive exam, or 36 credit hours including an applied project (CMN 593) and a written comprehensive exam, or 36 credit hours, a written comprehensive exam and a thesis.

Required Core (9 credit hours)

CMN 502 Theory and Practice in Communication and Persuasion (3) or CMN 522 Argumentation and Advocacy (3)

CMN 505 Methods in Applied Communication Research (3)

CMN 506 Humanistic Inquiry and Field Research in Communication (3)

Electives (up to 27 credit hours)

Culminating Experience Options (0-6 credit hours)

CMN 593 Applied Project, with written comprehensive exam (3)

CMN 599 Thesis, with written comprehensive exam (6)  
written comprehensive examination (0 credit hours)

#### Additional Curriculum Information

Electives are selected in consultation with the student's program advisor and may include courses with either the CMN (communication) or STC (social technology) prefixes. When appropriate, students may take up to six credit hours outside the program (non-CMN and STC prefix).

The thesis or applied project must demonstrate intellectual ability, academic ability and professional growth. The thesis is supervised and approved by the student's advisor and committee. An oral defense is required for the thesis. The applied project is supervised by the student's advisor. The achievements or results of the applied project should be made available to the public in the form of a presentation, poster, report or other form negotiated with the faculty advisor.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if faculty members are not available, then the applicant may submit letters of recommendation from individuals in supervisory or professional roles.

#### Career Opportunities:

The Master of Arts degree program in communication studies helps prepare graduates for jobs in corporate communication, journalism, mass media, politics, higher education or a wide range of other fields. Graduates already employed may find the skills they acquired through the program are helpful for career advancement; some leadership positions require a master's degree. Those interested in changing careers may pursue a master's in a communication studies to align with their particular professional goals. This master's degree can also prepare graduates for doctoral studies where they will conduct research or a career in higher education educating students.

Career examples include:

- fundraising manager
- human resources manager
- internal communications manager
- journalist
- learning and development analyst
- marketing: account executive, consultant or research analyst
- political campaign manager
- professor: community college, tenure-track or nontenure track academic (e.g., lecturer, admissions director, academic advisor, etc.)
- sales account executive
- speech writer
- technical communication specialist
- web producer

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/communication-studies-ma-degree>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

**English, MA (ASENGLMA)**

**Online Degree Search Title:** English, MA

**Campus:** West

**Program Description:**

The MA degree in English offered by the New College of Interdisciplinary Arts and Sciences is a comprehensive program that addresses the many facets of English: its literatures; its linguistic, social and cultural histories; and its capacities for persuasion, exposition and elucidation.

The program is grounded in scholarly tradition but designed for the demands of the 21st century. Its innovative curriculum has been developed to train present and future educators as well as individuals pursuing careers in the wide variety of professions that value advanced critical thinking, research and communication skills: from journalism and publishing to business communication, web content and social media management, educational and nonprofit consulting, public relations and many more.

The world-class faculty is ready to help enhance students' skill set, deepen their knowledge base and put the Master of Arts in English degree to work in their chosen profession.

**Degree Requirements:**

30 credit hours including the required capstone course (ENG 597).

Required Core (6 credit hours)

ENG 502 Contemporary Critical Theories (3) or MAS 505 Theories of Change, Culture and Mind (3)

ENG 582 Pedagogy (3)

Electives or Research (12 credit hours)

ENG 500 Research Methods (3)

ENG 591 Seminar (3)

ENG or LIN courses (6)

Open Elective or Research Courses (9 credit hours)

Culminating Experience (3 credit hours)

ENG 597 Graduate Capstone Seminar (3)

Additional Curriculum Information

For electives or research, students should see the academic unit for the approved course list from ENG and LIN courses through New College. ENG 500 is a required research course for all students and must be included in the plan of study.

For the open elective or research courses, nine credit hours can be selected from ENG or non-ENG coursework offered by various academic units. The selection of coursework is in consultation with the student's committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program; or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation

- an academic writing sample or professional writing sample (optional)
- resume or curriculum vitae (optional)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should describe the educational background, scholarly interests and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if such faculty are not available, then recommendation letters from individuals in supervisory or professional roles are acceptable.

An academic writing sample (preferred) or a professional writing sample is recommended, but not required, when submitting an application.

#### Career Opportunities:

The ability to influence and motivate behavior through the power of well-crafted language is a skill valued in every industry dependent upon customers, employees, suppliers or investors.

Graduates with a master's degree in English are able to use language to accomplish organizational goals; possess advanced critical thinking abilities and advanced skills for clear and effective verbal communication; are able to construct well-supported and persuasive arguments; can perform complex textual analysis; are knowledgeable about historical trends in written discourse; have an awareness of the role of literary discourse in broader social and historical contexts; and have the ability to engage in big picture thinking.

Career examples include:

- advertising copywriting
- business communication
- community college teaching
- digital copywriting
- editing
- educational consulting
- grant writing
- journalism
- market research
- media research
- nonprofit consulting
- public relations
- publishing
- secondary teaching (as continuing education)
- social media management
- technical writing
- web content management

#### Contact Information:

Interdisciplinary Arts and Sciences, New College of  
 School of Humanities, Arts, and Cultural Studies  
<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ASENGLMA/graduate/false>  
 FAB N100  
 ncgradadvising@asu.edu  
 602-543-3000

## Forensic Psychology, MS (ASFPSYMS)

**Online Degree Search Title:** Forensic Psychology, MS

**Campus:** Online

#### Program Description:

The Master of Science program in forensic psychology provides working professionals with an understanding of mental health issues and human behavior with respect to crime and the criminal justice and legal systems.

The curriculum involves specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders, and legal decision-making. Through these courses, students learn about the various roles for psychologists in the legal system and help them discover which roles they might like to pursue through careers in mental health, criminal justice or through additional graduate training.

Graduates are not license-eligible for clinical practice but are well prepared to pursue advanced degree and continuing education programs in counseling and related fields.

**Degree Requirements:**

33 credit hours including the required capstone course (PSY 549).

Required Core (15 credit hours)

PSY 544 Advanced Psychology of Criminal Investigation (3)

PSY 545 Advanced Legal Psychology (3)

PSY 546 Advanced Forensic Psychology (3)

PSY 547 Advanced Correctional Psychology (3)

PSY 573 Psychopathology (3)

Electives (9 credit hours)

Statistics and Methods (3 credit hours)

PSY 514 Fundamentals of Forensic Psychology Research (3)

Criminal Justice System Courses (3 credit hours)

Choose one of the following:

CRJ 501 Seminar in Criminal Justice (3)

CRJ 513 Seminar in Courts and Sentencing (3)

Culminating Experience (3 credit hours)

PSY 549 Capstone in Forensic Psychology (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology, criminal justice, social science or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must provide evidence of successful completion of an undergraduate or graduate social science statistics and research methods course.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-forensic-psychology/>)

**Career Opportunities:**

The master's degree in forensic psychology opens the door to a wide variety of careers. The field of forensic psychology offers many career options, from consulting on public policy to working within the criminal justice system. Many forensic psychologists will work in the court system in order to help lawyers, judges and juries better understand the motivations behind criminal behavior. Some graduates choose this path to advocate on behalf of underserved populations, including African-Americans, Latinos, those from lower-economic areas, children or those with mental illness.

Career examples include:

- correctional counselor
- crime analyst



- forensic research psychologists
- forensic social worker
- investigative journalist
- jail supervisor
- jury consultant
- police consultant
- probation officer
- victim advocate

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
 School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/forensic-psychology-ms>  
 FAB N100  
 NCGradOnline@asu.edu  
 602-543-3000

**Forensic Science, PSM (ASFRSCIPSM)**

**Online Degree Search Title:** Forensic Science, PSM

**Campus:** Online

**Program Description:**

The PSM program in forensic science readies students for career advancement by providing them with greater educational depth and breadth in the forensic sciences, and through the development of new competencies related to laboratory supervision. This includes an understanding of how to work with regulatory bodies that provide the framework for oversight in forensic laboratories, consistent with the guiding principles of the National Professional Science Master's Association.

Students develop deeper scientific inquiry skills in biology, chemistry, genetics and related topics, as well as critical laboratory leadership skill sets.

Successful graduates are armed with the tools and experiences required for administrative and other advancement opportunities both within and beyond the forensic science laboratory, in both governmental and private sectors.

**Degree Requirements:**

30 credit hours including the required applied project course (FOR 593).

Required Core (9 credit hours)

FOR 525 Forensic Science and Governance (3)

FOR 550 Ethics in Forensic Science (3)

FOR 565 Laboratory Leadership, Policy and Practice (3)

Other Requirement (15 credit hours)

FOR 501 Forensic Toxicology (3) or FOR 532 Principles of Pharmacology (3)

FOR 502 Forensic Botany (3) or FOR 503 Forensic Entomology (3)

FOR 540 Advanced Topics in Human Forensic DNA Typing (3)

FOR 560 Quantitative Methods in Forensic Science Research (3), BMI 515 Applied Biostatistics in Medicine and Informatics (3) or HCD 501

Biostatistics and Data Management (3)

PSY 546 Advanced Forensic Psychology (3) or CRJ 537 Criminal Procedure of Investigations for Social and Forensic Scientists (3)

Culminating Experience (6 credit hours)

FOR 593 Applied Project (6)

Additional Curriculum Information

Other requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in an appropriate physical, biological, computer science or a related field from a regionally-accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should demonstrate that the applicant is currently working in the forensic science industry. It should also describe the educational background, scholarly interests, and academic and professional goals. Specifically, the applicant should address their qualifications for pursuing a professional science master's degree.

It is preferred that the letters of recommendation be from individuals in supervisory or professional roles.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/forensic-science-psm/>)

**Career Opportunities:**

The Master of Professional Science in forensic science degree opens the door to a wide variety of careers. The field of forensic psychology offers many career options, including consulting on public policy and working within the criminal justice system. Many forensic psychologists will work in the court system in order to help lawyers, judges and juries better understand the motivations behind criminal behavior. Some graduates choose this path to advocate on behalf of underserved populations, including African-Americans, Latinos, those from lower-economic areas, children or those with mental illness.

Career examples include:

- correctional counselor
- crime analyst
- forensic research psychologist
- forensic social worker
- investigative journalist
- jail supervisor
- jury consultant
- police consultant
- probation officer
- victim advocate

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/>  
FAB N100  
NCGradOnline@asu.edu  
602-543-3000

## Interdisciplinary Studies, MA (ASINTERMA)

**Online Degree Search Title:** Interdisciplinary Studies, MA

**Campus:** West

**Program Description:**

The MA in interdisciplinary studies offered by the New College of Interdisciplinary Arts and Sciences is an innovative program that allows students to combine the study of two or more disciplines for their program of study.

Founded on the conviction that solving problems in the 21st century often requires an interdisciplinary approach, this flexible program provides exposure to a variety of research methods, historical perspectives and modes of inquiry.

The program gives students access to faculty members who are active practitioners of interdisciplinary inquiry. Working with the faculty, students may define their own area of emphasis or adopt an existing area within the humanities and social sciences.

The skills and knowledge that students acquire can be directed toward doctoral study or professional goals in any enterprise that engages in research or education.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- American Studies, BA
- Applied Science, BAS
- Communication, BS
- Communication, BA
- English, BA
- Ethnicity, Race and First Nations Studies, BA
- History, BA
- Interdisciplinary Arts and Performance, BA
- Interdisciplinary Arts and Sciences, BA
- Philosophy, Religion and Society, BA
- Political Science, BA
- Political Science, BS
- Psychology, BA
- Psychology, BS
- Social and Behavioral Sciences, BS
- Social and Behavioral Sciences, BA
- Sociology, BA
- Sociology, BS
- Women and Gender Studies, BA
- Women and Gender Studies, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required capstone course (MAS 585).

Required Core (9 credit hours)

MAS 501 Methods for Interdisciplinary Inquiry (3)

MAS 502 Perspectives in Interdisciplinary Studies (3)

MAS 505 Theories of Change, Culture and Mind (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

MAS 585 Capstone Course (3)

Additional Curriculum Information

The core courses are designed as a sequence and are meant to guide students through the program, from learning about interdisciplinarity to practicing interdisciplinary research. Therefore, students are required to take each of the core courses the first time that they are available while the student is enrolled in the program.

For electives, students work with a faculty mentor to select 18 credit hours of graduate-level coursework that helps prepare them for their capstone or reflects particular areas of specialty or interest.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- GRE scores (if applicable)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well, but if faculty are not available, then from individuals in supervisory or professional roles.

If the applicant does not meet the minimum GPA requirements, the application may be considered if accompanied by an official GRE score.

#### Career Opportunities:

The program's emphasis on a variety of research methods and modes of inquiry increases students' value to many organizations. As graduates, they reach their professional goals in a multitude of industries and organization, including advertising and marketing, nonprofit leadership and media production, museum curatorship, community college teaching and leading-edge entrepreneurship.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- archivists
- art therapists
- education administrators
- film and video editors
- high school teachers
- human resources managers
- market research analysts and marketing specialists
- multimedia artists and animators
- professors

#### Contact Information:

Interdisciplinary Arts and Sciences, New College of  
 School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/interdisciplinary-studies-ma>  
 FAB N100  
 ncgradadvising@asu.edu  
 602-543-3000

## Law and Psychology, PHD (ASLPSYPHD)

**Online Degree Search Title:** Law and Psychology, PhD

**Campus:** Downtown Phoenix, West

#### Program Description:

The PhD program in law and psychology is designed to train a new generation of scholars in the field by taking a broad interdisciplinary approach that combines rigorous training in the law and psychology field with training in advanced research methodology and statistics, criminological theory, and contextual training in other subfields of psychology.

The goal of the program is for students to use this knowledge to tackle the many important but understudied areas where the legal system is in desperate need of empirical psychological research.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (21 credit hours)  
 PSY 515 Quantitative Analysis I (3)

PSY 516 Quantitative Analysis II (3)  
PSY 517 Quantitative Analysis III (3)  
PSY 544 Advanced Psychology of Criminal Investigation (3)  
PSY 545 Advanced Legal Psychology (3)  
PSY 546 Advanced Forensic Psychology (3)  
PSY 550 Advanced Social Psychology (3)

Electives (36 credit hours)

Required Research (15 credit hours)

PSY 500 Research Methods (3)

PSY 792 Research (12)

Culminating Experience (12 credit hours)

PSY 799 Dissertation (12)

Additional Curriculum Information

Students are required to take 15 credit hours of research coursework and 36 credit hours of elective coursework.

When approved by the student's supervisory committee and Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives and research.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology, criminal justice, social science, or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### **Career Opportunities:**

Graduates of the law and psychology doctorate program are sought for their unique skill sets melding the complexities of law and justice with human behavior. Careers can be pursued in government, academia or private enterprise.

Career examples include:

- academic researcher or instructor as a college or university professor
- criminal justice data analyst
- government or nonprofit researcher and evaluator
- legal policy researcher and evaluator
- legal or trial consultant
- mental health policy analyst or consultant
- postdoctoral research fellow

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences

<https://lawpsych.asu.edu/>

FAB N100

## Psychology, MS (ASPGSMS)

**Online Degree Search Title:** Psychology, MS

**Campus:** West, Online

### Program Description:

The MS program in psychology offered by the New College of Interdisciplinary Arts and Sciences has two main options.

One option is ideal for students who plan to pursue doctoral work or careers that involve psychological research methods such as marketing research, education research analysis, public policy analysis, research project management or program evaluation. The program is intensive and research-oriented, and it culminates in a thesis or applied project. Students receive training in advanced research methodology and statistical analysis, grant proposal writing, laboratory instrumentation, data collection and manuscript development. Students gain first-hand exposure to designing and conducting research, analyzing data and developing presentations and manuscripts. Students are encouraged to present research reports at professional meetings and conferences and to publish as co-authors in faculty-guided research.

The online program option gives students and working professionals an understanding of psychological theory and empirical research findings as they relate to human behavior, cognition, emotion and attitudes. The coursework is designed to help students learn about the various roles of psychologists in society today and discover which they might like to pursue through careers in education, social service, for-profit and nonprofit organizations, management or through additional graduate training.

Elective courses in all options are offered in several areas, including abnormal psychology, affective science, behavior analysis, cognitive psychology, developmental psychology, health psychology, legal psychology, psychophysiology and social psychology.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Psychology, BS

Psychology, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

36 credit hours and a thesis, or 36 credit hours including the required applied project course (PSY 593), or 36 credit hours including the required capstone course (PSY 553), or 36 credit hours including the required capstone course (PSY 553) - Mandarin Pathway.

Required Core (6 credit hours)

PSY 502 Professional Issues in Psychology (3)

PSY 513 Fundamentals of Quantitative Research (3) or PSY 515 Quantitative Analysis I (3)

Foundation (0 or 15 credit hours)

Research (3 or 9 credit hours)

Electives (9 or 12 credit hours)

Other Requirement (0-6 credit hours)

Culminating Experience (3 or 6 credit hours)

PSY 553 Capstone in General Psychology (3)

PSY 593 Applied Project (6)

PSY 599 Thesis (6)

### Additional Curriculum Information

The MS in Psychology is delivered in-person and online through digital immersion. The capstone course option is only for students in the online program and the Mandarin pathway. Thesis and applied project options are for in-person program students.

The thesis option is intended for students who are interested in later gaining admission to a doctoral program. This option has hands-on experience with research and in-depth learning on advanced quantitative analysis. Thesis students complete a written and oral prospectus before proceeding to their thesis research which they must defend before a committee. Thesis students take PSY 516 Quantitative Analysis II and PSY 517 Quantitative Analysis III for six credit hours as an other requirement.

The applied project option provides students who are interested in pursuing a professional career in research with sufficient methodology and statistic skills to enhance their professional career opportunities. Applied project students also complete a written research proposal that is reviewed by their advisor and one additional committee member. As an other requirement, applied project students take PSY 516 Quantitative Analysis II for three credit hours.

Capstone course online options (English and Mandarin) provide students who are interested in professional development the necessary communication and methodology skills to advance in their chosen career. Students in the capstone must write a literature review paper on a research topic of their choice. Foundation coursework is required for the capstone course option only. Students should see the academic unit for a preapproved list of courses.

All students take core course PSY 502. Students take either PSY 513 or PSY 515 as their secondary core course based on the option selected. Thesis and applied project students take PSY 515, capstone course online students take PSY 513 or PSY 515.

For research, all students take PSY 500 for three credit hours. Students who are in the thesis or applied project options also take PSY 592 for six credit hours.

Students are able to specialize or go more in-depth in one or two focus areas with their elective coursework.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program. Priority is given to applicants who have achieved a 3.25 GPA or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- GRE scores (combined minimum verbal and quantitative score of 300)
- three letters of recommendation
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

At the time of application, students must identify the culminating experience that they wish to pursue. Students applying to the capstone course option are only considered for the online program. Students applying to the thesis or applied project option are only considered for the in-person program.

Applicants must provide evidence of successful completion of an undergraduate, or graduate, social science statistics and research methods course.

The statement of purpose should describe the educational background, scholarly interests and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if these are not available, then recommendations should be from individuals in supervisory or professional roles. Three letters of recommendation are required for applications to the in-person option and two letters of recommendation are required for applicants to the online option.

Applicants for the applied project or thesis program option (offered face to face) are required to submit a GRE score. Priority is given to applicants who have achieved a 305 or higher on the GRE.

Students applying to the capstone course option offered in the online delivery of the program are encouraged to submit GRE scores; it is a recommendation, not a requirement.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-psychology/>)

### **Career Opportunities:**

The Master of Science degree program in psychology is specialized to prepare students for admission into doctoral programs in psychology in areas that include clinical or counseling, social, cognitive and developmental specialties.

Graduates may pursue professional research careers in education, health care or marketing. Though this program is not designed to prepare students for clinical practice, graduates may pursue a clinical internship and additional coursework to prepare for licensure exams.

Career examples include:

- community health workers
- health educators
- market research analysts and marketing specialists
- medical and health services managers
- mental health counselors
- psychology teachers, postsecondary
- social and human service assistants
- social and community service managers
- social science research assistants

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/psychology-ms>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

## Social Justice and Human Rights, MA (ASJHRMA)

**Online Degree Search Title:** Social Justice and Human Rights, MA

**Campus:** West, Online

**Program Description:**

The MA program in social justice and human rights addresses urgent social issues related to human security, labor, migration, children, family, education and the environment.

The social justice in human rights graduate degree program provides students with a combination of applied real-world skills and training in research. They may choose to focus on specific issues such as racial justice, educational rights, disability rights, indigenous rights, animal rights or the abolition of human trafficking. Or they may direct their focus to regional contexts such as the Middle East, Central Europe, East Africa or Central America.

The coursework in this theoretically and methodologically rigorous program examines social issues in contexts defined by multiple and intersecting forms of social identity and disadvantage, including gender, race, ethnicity, class, sexuality and nationality.

The program requires an internship, to be completed domestically or internationally, in which students typically work alongside other advocates for social justice to help refugees, migrants, workers and survivors of violence or human trafficking.

Students may select from three degree tracks: research, advocacy, or critical trauma studies and social work. The research track prepares students for positions as researchers, analysts and advocates in governmental, intergovernmental and nongovernmental agencies. The advocacy track prepares students to be leaders in nonprofit, social movement, governmental and intergovernmental organizations. The critical trauma studies and social work track prepares students to assist vulnerable people, especially survivors of extreme violence, poverty, war, sex trafficking, human trafficking, gender-based violence and various forms of marginalization.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- American Studies, BA
- Applied Science, BAS
- Biology, BA
- Communication, BA
- Communication, BS
- English, BA
- Environmental Science, BA
- Ethnicity, Race and First Nations Studies, BA



History, BA  
 Interdisciplinary Arts and Performance, BA  
 Interdisciplinary Arts and Sciences, BA  
 Latin American Studies, BA  
 Philosophy, Religion and Society, BA  
 Political Science, BS  
 Political Science, BA  
 Psychology, BA  
 Psychology, BS  
 Social Justice and Human Rights, BA  
 Social and Behavioral Sciences, BS  
 Social and Behavioral Sciences, BA  
 Social and Cultural Analysis (American Studies), BA  
 Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA  
 Social and Cultural Analysis (Latin American Studies), BA  
 Social and Cultural Analysis (Peace Studies), BA  
 Social and Cultural Analysis (Queer and Sexuality Studies), BA  
 Social and Cultural Analysis (Women and Gender Studies), BA  
 Sociology, BA  
 Sociology, BS  
 Women and Gender Studies, BA  
 Women and Gender Studies, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a thesis, or 33 credit hours including the required applied project course (JHR 593), or 33 credit hours including the required capstone course (JHR 549).

Required Core (12 credit hours)

JHR 501 Proseminar in Social Justice and Human Rights (3)  
 JHR 506 Grant Writing for Social Justice and Human Rights (3)  
 JHR 510 Problem-Based Seminar in Social Justice and Human Rights (3)  
 JHR 525 Action Research in Social Justice and Human Rights (3)

Electives (3-6 credit hours)

Research (3 credit hours)

JHR 500 Research Methods (3)

Other Requirements (9 credit hours)

JHR 584 Internship (3) and track coursework (6)

or

JHR 598 Topic: Migration, Asylum, and Refugees (3)  
 JHR 598 Topic: Gender-based Violence and Sex-Trafficking (3)  
 JHR 598 International Law and Organizations (3)

Culminating Experience (3-6 credit hours)

JHR 549 Capstone in Social Justice and Human Rights (3) or  
 JHR 593 Applied Project (3) or  
 JHR 599 Thesis (6)

Additional Curriculum Information

For other requirements coursework, ground immersion students will complete an internship and track coursework. Online students will take JHR 598 in the listed topics. When approved by the academic unit, other requirements courses may be substituted.

Students attending in-person choose one of three tracks in social justice and human rights research, social justice and human rights advocacy, and critical trauma studies and social work and select courses for the track and electives requirements in consultation with faculty.

Students completing an applied project or capstone for the culminating experience complete six credit hours of electives to meet the program's 33 credit hour requirement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should describe the educational background, scholarly interests and academic and professional goals of the applicant.

It is preferred that letters of recommendation be from faculty members who know the applicant's work well; if these are not available, letters of recommendation from individuals in supervisory or professional roles will be accepted. If letters of recommendation from two faculty members are not available, then it is strongly preferred that at least one letter be from a faculty member.

A writing sample is recommended but not required for students applying to the digital immersion program. If the applicant does not meet the minimum GPA requirements, the application may still be considered.

Applicants should see the program website for application deadlines.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/social-justice-and-human-rights-ma/>)

**Career Opportunities:**

Graduates from this program are well poised to pursue additional graduate education such as law school or PhD programs.

Career examples include:

- advocate or lobbyist
- community organizer
- correctional officer
- grant writer
- humanitarian aid
- policy analyst or researcher
- program officer
- public defender
- social justice specialist or consultant
- social service worker

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-justice-and-human-rights-ma>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

**Social Technologies, MA (ASSTCMA)**

**Online Degree Search Title:** Social Technologies, MA

**Campus:** West, Online

**Program Description:**

The MA in social technologies is for those interested in the ways new kinds of social data introduce challenges and opportunities to society.

The program combines a thorough grounding in digital social science with the skills needed for engaging in the analysis of social data. This unique combination provides graduates with the ability to understand and contribute to creating ethical social platforms. They are also well positioned to advise institutions, businesses and government agencies on appropriate policies, and to draw on large-scale trace data to help address significant social issues.

The rapid shift toward algorithmic structures of social interaction represents one of the most significant challenges to society, and questions of equity, privacy and autonomy have become a recurring theme running through many modern social problems. These technologies also may provide the keys for addressing substantial social issues. To critically analyze these socio-technical systems requires both technical abilities and an understanding of social theory.

ASU offers an MA in social technologies for those interested in engaging research at the intersection of data and society. It prepares graduates to be leaders in social data science, working with organizations to help them make ethical and effective use of social data, consulting on broader issues of social change and networked technologies, or continuing on to doctoral work in cognate fields.

Students in the program work through a series of courses that provide a grounding in social theory and digital research methods as well as opportunities to apply that knowledge to social issues.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biology, BA

Environmental Science, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including a thesis, or 33 credit hours including the required capstone course (STC 570).

Required Core (27 credit hours)

STC 501 Theories of Data and Society (3)

STC 510 Data Wrangling (3)

STC 512 Data, Places, People and Things (3)

STC 527 Ethics and Policies of Social Data (3)

STC 536 Networked Publics (3)

STC 537 Technologies of Community (3)

STC 539 Social Search and Filtering (3)

STC 550 Computational Social Methods I (3)

STC 551 Computational Social Methods II (3)

Other Requirements (0 or 3 credit hours)

STC 528 Communicating Data Science (3)

Culminating Experience (3 or 6 credit hours)

STC 570 Social Data Projects (3) or

STC 599 Thesis (6)

Additional Curriculum Information

Students complete either a three credit hour capstone course (STC 570 Social Data Projects) or a six credit hour thesis (STC 599). Students who choose to complete the capstone course also complete STC 528.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- GRE scores (optional)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The statement of purpose should describe the educational background, scholarly interests and academic and professional goals of the applicant.

It is preferred that the letters of recommendation be from faculty members who know the applicant's work well; if these are not available, then letters of recommendation from individuals in supervisory or professional roles will be accepted.

GRE scores are recommended, but not required for all applicants. Applicants who have a GPA of less than 3.00 in the last 60 credit hours of the bachelor's degree are strongly encouraged to provide GRE scores.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/social-data-science/>)

**Career Opportunities:**

Graduates of the Master of Arts program in social technologies should be well-positioned for research roles in businesses, nonprofits and government organizations. They also may move on to doctoral study.

The program deliberately seeks to be more reflective of the diversity of those who are affected by datafication and actively promote the careers of professionals who are underrepresented in data-related fields.

Career examples include:

- chief information officer
- communications director
- community manager
- data journalist
- intelligence or policy analyst
- program or project manager
- public affairs specialist
- social media manager
- social strategist
- research and data analyst

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-technologies-ma>  
FAB N100  
ncgradadvising@asu.edu  
602-543-3000

## Journalism and Mass Communication, Walter Cronkite School of

### Business Journalism, MS (CSBSJMS)

**Online Degree Search Title:** Business Journalism, MS

**Campus:**

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The MS degree program in business journalism includes journalism and business coursework offered by the Walter Cronkite School of Journalism and Mass Communication and the W. P. Carey School of Business.

Students in this program benefit from cutting-edge curriculum designed to focus on key tenets of business and journalism. The program may be completed in as few as one and a half years.

**Degree Requirements:**

30 credit hours including the required applied project (MCO 593).

Required Core (27 credit hours)

ACC 501 Fundamentals of Financial Accounting (1.5)

ACC 504 Fundamentals of Managerial Accounting (1.5)

ECN 504 Fundamentals of Managerial Economics (3)

MCO 503 Media Law (3)

MCO 550 Issues in Coverage of Business and the Economy (3)

MCO 551 Better Business Reporting (3)

MCO 552 Data in Business Journalism (3)

MCO 556 Media Entrepreneurship (3)

MGT 501 Fundamentals of Organization Behavior (3)

WPC 504 Fundamentals of Statistics for Managers (3)

Culminating Experience (3 credit hours)

MCO 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in journalism, mass communication, public relations, business or a closely related field from a regionally accredited institution, and have some professional communications experience.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. A TOEFL score of at least 100 on the internet-based test is required. Applicants can have these scores automatically submitted to ASU and the Cronkite School by using institution code 4007.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/>)

**Career Opportunities:**

The Master of Science in business journalism program is designed to give journalists around the world a competitive edge in the globally expanding job market in business reporting and related fields.

Careers in this field include news reporter and news director.

**Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/>

CRONK 302  
cronkitegrad@asu.edu  
602-496-5555

## Digital Audience Strategy, MS (CSDASMS)

**Online Degree Search Title:** Digital Audience Strategy, MS

**Campus:** ASU@Los Angeles, Online

Admission to this program is limited to students who do not have an undergraduate degree or minor in digital audiences.

### Program Description:

The MS program in digital audience strategy prepares students to design and execute large-scale strategies for connecting digital audiences through a data-driven, multidisciplinary, hands-on curriculum.

Students learn to measure and analyze how consumers interact with content online, on social media and on mobile devices. Using those measurement skills, students develop strategies and tactics to grow audiences through search engine optimization, search engine marketing, paid and organic social media campaigns, and digital content creation. They work with real-world clients to develop, test and execute audience growth strategies in real time.

Through required coursework in ethics, media law and entrepreneurship, students learn to make ethical business decisions regarding consumer privacy, digital data security and community engagement. Through elective courses, students develop additional expertise in areas such as management, audience data and intellectual property.

Students graduate from the program ready to drive audience growth and business development in the digital age.

### Degree Requirements:

30 credit hours including the required capstone course (MCO 566).

Required Core (21 credit hours)

MCO 503 Media Law (3)

MCO 556 Media Entrepreneurship (3)

MCO 561 Defining the Digital Audience (3)

MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)

MCO 563 Social Media Campaigns and Engagement (3)

MCO 564 Digital Audience Research and Behavior (3)

MCO 565 Digital Audience Analytics (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

MCO 566 Digital Audience Management (3)

Additional Curriculum Information

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in journalism, communications, public relations or a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement of intent
- professional resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. TOEFL scores must be at least 100 for the internet-based TOEFL iBT.

In 300 to 500 words, the personal statement of intent should describe the applicant's interest in the Master of Science program in digital audience strategy, explain how previous academic or professional experience will inform the applicant's work in the program and how the program will help achieve personal or career goals of the applicant.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/digital-audience-strategy-ms/>)

#### Career Opportunities:

The digital field is rapidly growing and true experts are highly sought after. The Master of Science program in digital audience strategy equips students with the knowledge and skills they need to launch a new career in digital marketing, content creation, social media and SEO. Graduates are empowered and ready to accelerate their current communications career, able to step into leadership positions to lead digital marketing and communications teams.

Careers in this field include:

- marketing associate
- marketing manager
- market research analyst
- SEO specialist

#### Contact Information:

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/>  
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602-496-5055

## Digital Audiences (certificate), Certificate (CSDASGRCT)

**Online Degree Search Title:** Digital Audiences (Graduate Certificate)

**Campus:** ASU@Los Angeles, Online

#### Program Description:

The graduate certificate in digital audiences prepares students to execute audience growth and engagement strategies in any industry.

Students learn to measure and analyze how consumers interact with content online, on social media and on mobile devices. Using those measurement skills, students develop strategies and tactics to grow audiences through search engine optimization, search engine marketing, paid and organic social media campaigns, and digital content creation.

This program is designed for professionals who want to develop new skills, take on new responsibilities or more effectively promote their work.

Los Angeles location: Currently, programs of study are offered in a hybrid learning model. Select courses are offered through in-person instruction in the Herald Examiner building. The majority of courses are offered virtually from Arizona through a combination of synchronous and asynchronous learning technologies. Students should consult their advisor and schedule of classes for additional information.

#### Degree Requirements:

15 credit hours.

Required Core (15 credit hours)

MCO 561 Defining the Digital Audience (3)

MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)

MCO 563 Social Media Campaigns and Engagement (3)

MCO 564 Digital Audience Research and Behavior (3)

MCO 565 Digital Audience Analytics (3)

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in communications, political science, business or a related field, from a regionally accredited institution. Admission to this program is limited to students who do not have an undergraduate degree or minor in digital audiences.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. TOEFL scores must be at least 100 for the internet-based TOEFL (iBT).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/digital-audience-strategy-graduate-certificate/>)

#### **Career Opportunities:**

A graduate certificate in digital audiences can help students boost their credibility and advance knowledge of the digital sector. Students who complete the digital audiences graduate certificate will be able to pursue careers in web development, communications training, graphic design and social media.

Careers in this field include:

- marketing associate
- market research analyst
- SEO specialist

#### **Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/>  
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cronkitegrad@asu.edu  
602-496-5055

## **Investigative Journalism, MA (CSINVJOURMA)**

**Online Degree Search Title:** Investigative Journalism, MA

**Campus:** Downtown Phoenix

#### **Program Description:**

The MA in investigative journalism prepares students to launch high-level investigative reporting careers at the world's most prestigious news organizations.

This program is designed for career switchers, those with experience in fields such as law, health, business, government and the arts, and for early-career to mid-career journalists who want to develop specialization in investigative techniques.

Students combine their existing knowledge with investigative reporting techniques, multimedia production skills and interdisciplinary research methods to produce storytelling with deep public impact.

#### **Degree Requirements:**

36 credit hours including the required capstone course (MCO 570).

Required Core (21 credit hours)

MCO 502 Journalism Skills (8)



MCO 503 Media Law (3)  
MCO 510 Data Journalism (3)  
MCO 530 History, Philosophy and Ethics of Journalism (3)  
MCO 544 Accountability in Journalism (1)  
MCO 545 Techniques of Investigative Reporting (3)

Research (6 credit hours)

Culminating Experience (9 credit hours)  
MCO 570 Capstone Experience (9)

Additional Curriculum Information

Students must complete six credit hours of interdisciplinary research methods courses offered under the MCO 591 course listing. Selection of these courses will require departmental approval.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any discipline or related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- professional resume
- letter of intent
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants must receive a score of 100 (iBT) or better on the TOEFL.

Applicants should provide a 300- to 500-word statement describing interest in investigative journalism, career goals and how previous work and academic experience have prepared the student for success.

### **Career Opportunities:**

Investigative reporting is in high demand in news organizations, large and small, around the world, and graduates of the Cronkite School's Master of Arts in investigative journalism program are uniquely prepared to excel in these positions, applying experience with investigative reporting techniques, data analysis and immersive storytelling using text, photo, video and audio content.

### **Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/degree-programs/masters-degree-investigative-journalism>  
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602-496-5555

## **Journalism and Mass Communication, PHD (CSJMCPHD)**

**Online Degree Search Title:** Journalism and Mass Communication, PhD

**Campus:** Downtown Phoenix

### **Program Description:**

The PhD program at the Walter Cronkite School of Journalism and Mass Communication is a highly individualized program designed for industry thought leaders and the educators of tomorrow. The doctorate in journalism and mass communication attracts seasoned media professionals transitioning to academia as well as recent graduates of master's degree-level journalism and communication programs.

At the journalism school, students access the resources they need to answer critical questions that challenge the fields of journalism, social media, public relations and international mass communication.

Students engage with world-class faculty who challenge them to think differently about all forms of nonfiction storytelling across every platform marketed to digital audiences.

Students develop lasting relationships with a doctoral cohort and faculty mentors from across North America and the world, researching together to create ethical, entrepreneurial and innovative pathways for the media industry to follow.

This doctoral program in journalism and mass communication is designed to be small, student-centered and scholarly research-oriented. It is based on the following priorities: a journalism and mass communication focus, a transdisciplinary approach that requires coursework outside the journalism school, one-on-one faculty-student mentoring and program flexibility. The emphasis of this degree program is the creation of scholarly, peer-reviewed articles and presentations based on journalism and mass communication philosophy, theory and methods.

The program prepares students for research-oriented careers in journalism and mass communication education and related fields.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (18 credit hours)

Electives (18 credit hours)

Other Requirements (24 credit hours)

previous master's degree or additional hours approved by the supervisory committee (24)

Research (12 credit hours)

Dissertation (12 credit hours)

Additional Curriculum Information

Students should see the academic unit for an approved course list.

Students entering the program with a master's degree in journalism or mass communication, or a related field, must complete 60 credit hours of coursework. Students who are admitted to the program without a master's degree are required to complete an additional 24 credit hours of coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement of interest
- resume
- samples of scholarly work
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the Internet-based.

Scores on the quantitative and verbal sections of the GRE are required, with the verbal score being particularly important to the Cronkite School's

graduate committee.

The personal statement of interest should be 350 to 500 words in length.

Students should see the program website for application deadlines and admission terms. Applicants must meet all deadlines and application requirements to be considered.

The Cronkite School's doctoral committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

### **Career Opportunities:**

Professionals with expertise in mass media and communications are in high demand as universities and institutions train the next generation of media professionals.

A doctorate in journalism and mass communication prepares students for any of a number of career opportunities. Career examples include:

- communications professor
- journalism professor
- researcher
- social sciences professor

### **Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/phd>  
CRONK 302  
[cronkitegrad@asu.edu](mailto:cronkitegrad@asu.edu)  
602-496-5555

## **Mass Communication, MMC (CSMCOMMMC)**

**Online Degree Search Title:** Master of Mass Communication, MMC

**Campus:** Downtown Phoenix

### **Program Description:**

The Walter Cronkite School of Journalism and Mass Communication's 12-month MMC degree program uses the teaching hospital model to immerse students in the practice of journalism and prepare them for careers in today's rapidly evolving media industry.

This 36 credit hour program begins with a multimedia boot camp, teaching students how to report and produce stories for text, photo, video and audio elements. In the second semester, students can dive deeper in a selection of advanced courses, such as those focused on narrative writing, podcasting, advanced broadcast production, documentary production, health reporting, business reporting, Spanish-language news, transborder coverage, strategic communications and digital entrepreneurship.

The program culminates in a professional immersion experience in one of the Cronkite School's strategic communication labs or news bureaus in Los Angeles, Phoenix or Washington, D.C. Working under the guidance of award-winning journalists and strategists, these capstone programs offer real-world experience in a professional news or agency environment.

The cornerstone of the graduate program is the journalism school's professional programs:

Cronkite News Phoenix --- Students produce a daily newscast on Arizona PBS, reaching 1.9 million households, and digital content for [cronkitenews.azpbs.org](http://cronkitenews.azpbs.org) (<https://cronkitenews.azpbs.org/>), Cronkite News social platforms and partner sites across Arizona.

Cronkite News Washington --- Students cover Congress, the White House and the U.S. Supreme Court for Cronkite News and partner newsrooms.

Cronkite News Los Angeles --- Students report for Cronkite News and partner with newsrooms from the second-largest media market in the country.

Cronkite Noticias --- Students produce Spanish-language news for digital and broadcast platforms in collaboration with Univision Arizona.

Carnegie-Knight News21 --- Students produce major national investigations in partnership with newsrooms such as The Washington Post and NBCNews.com.

New Media Innovation and Entrepreneurship Lab --- Journalism, engineering, design and business students work together to create cutting-edge

digital products and launch new businesses.

Public Relations Lab --- Students work in a strategic communications agency environment to develop campaigns for clients ranging from Fortune 500 companies to startups.

Digital Audiences Lab --- Students work in a first-of-its-kind professional immersion program working with real clients to grow, engage and measure their audiences in real time.

This program is also offered as a dual MD/MMC degree with the Mayo Clinic. For more information, students should visit <https://mayo.asu.edu/dualdegrees#MMC> (<https://mayo.asu.edu/dualdegrees#MMC>).

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- Legal Studies, MLS
- Sustainability Solutions, MSUS

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Journalism and Mass Communication, BA
- Sports Journalism, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required capstone course (MCO 570), or 36 credit hours including the required capstone course (MCO 570).

Required Core (9 credit hours)

- MCO 503 Media Law (3)
- MCO 510 Data Journalism (3) or MCO 536 Public Relations Research (3)
- MCO 525 21st-Century Media Organization and Entrepreneurship (3)

Electives (6 credit hours)

Other Requirements (12 credit hours)

- MCO 502 Journalism Skills (8)
- MCO 504 Journalism Skills Lab (1)
- MCO 530 History, Philosophy and Ethics of Journalism (3) or MCO 519 Strategic Communications Leadership and Ethics (3)

Culminating Experience (3 or 9 credit hours)

- MCO 570 Master of Mass Communication Capstone (3 or 9)
- MCO 593 Applied Project (3)

Additional Curriculum Information

The master's degree program is a full-time, 36 credit hour program. Students with extensive professional journalism experience may be offered the opportunity to pursue the 30 credit hour mid-career option.

Students should see the academic unit for a complete list of approved electives. Other requirement coursework may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement of interest (350 to 500 words in length).
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the internet-based.

The Cronkite School's graduate committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

#### Career Opportunities:

The skills of strong reporting, research, writing and multimedia production are in high demand across industries, including in journalism, strategic communication, nonprofit leadership, international affairs, political advocacy and entrepreneurship.

Career examples include:

- digital strategist
- editor
- media executive
- photojournalist
- producer
- PR strategist
- reporter
- strategic communications leader
- videographer

#### Contact Information:

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/degree-programs/masters-degree-journalism>  
CRONK 302  
cronkitegrad@asu.edu  
602-496-5555

## Sports Journalism, MA (CSSPJMA)

**Online Degree Search Title:** Sports Journalism, MA

**Campus:** Downtown Phoenix

#### Program Description:

Sports journalism is the fastest-growing sector of the news media industry, with continued growth on all platforms --- multimedia outlets; broadcast channels and networks; radio and podcasting; and team, league and conference websites and social media accounts.

The Walter Cronkite School of Journalism and Mass Communication's MA program in sports journalism is a 36-credit hour, three-semester program providing students with unparalleled preparation for careers in sports media and communications.

Students begin with an intensive multimedia skills-based course, which teaches them to produce sports and news coverage across broadcast, digital and print platforms. From there, students choose advanced classes in sports reporting, videography, podcast production, play-by-play production, narrative writing, documentary video and participate in sports bureaus located in Phoenix and Los Angeles. Students learn the values and principles embodied by Walter Cronkite in classes that focus on sports journalism ethics and the challenges faced by the industry.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Journalism and Mass Communication, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

36 credit hours including the required capstone course (MCO 570).

Required Core (15 credit hours)

MCO 503 Media Law (3)

MCO 510 Data Journalism (3)

MCO 526 Advanced Issues in 21st-Century Sports and Media (3)

MCO 529 Ethics and Diversity in Sports Journalism (3) MCO 540 Sports Reporting (3)

Electives or Research (3 credit hours)

Other Requirement (9 credit hours)

MCO 502 Journalism Skills (8)

MCO 504 Journalism Skills Lab (1)

Culminating Experience (9 credit hours)

MCO 570 Capstone: Cronkite News - Los Angeles Sports Bureau (9) or

MCO 570 Capstone: Cronkite News - Phoenix Sports Bureau (9)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement of interest (350 to 500 words in length)
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the internet-based examination.

The Cronkite School's graduate committee reviews complete and on-time applications on a rolling basis, with priority for admissions and funding for applications received by December 1.

**Career Opportunities:**

Expertise in the sports journalism field is in high demand across sports organizations, news networks and digital media outlets. The high-value takeaways and tactical skills gained in the sports journalism master's degree program turn students into competitive candidates and sports journalism leaders.

Career opportunities for students who obtain a sports journalism master's degree include:

- sports news reporter
- sports editor
- sports PR and strategic communications professional

**Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/degree-programs/masters-degree-sports-journalism>  
CRONK 302  
cronkitegrad@asu.edu  
602-496-5555

## Law, Sandra Day O'Connor College of

### Biotechnology and Genomics, LL.M. (LWGENOMLLM)

**Online Degree Search Title:** Biotechnology and Genomics, LLM

**Campus:** Downtown Phoenix

**Program Description:**

Today's lawyers must be prepared to handle challenges like those that surround international trade, evidentiary standards, personalized medicine, licensing and business planning, to name a few. The LLM degree program in biotechnology and genomics is associated with the Center for Law, Science and Innovation, the nation's largest and oldest multidisciplinary research center focusing on the legal implications of new scientific discoveries and emerging technologies. The faculty has a long history of high-quality teaching, and a vast number hold postgraduate degrees in a wide array of sciences.

Coursework and research opportunities are diverse. Through classroom instruction and guided independent study, Master of Laws candidates examine the legal issues surrounding genetic applications such as:

- cloning
- forensic evidence
- gene testing
- gene therapy
- genetically modified organisms
- stem cells and behavioral genetics

The issues relate to:

- business planning
- confidentiality
- evidentiary standards
- intellectual property
- international trade
- liability
- licensing
- privacy
- regulation

Students in the Master of Laws program in biotechnology and genomics explore and examine the law that enables and constrains the development, control and application of biotechnology and genomics.

Forensic science and ethical constraints upon the various contemplated uses are also important elements of the program. Because the legal, ethical and policy aspects of genomics and biotechnology are of global significance, this program is also beneficial for non-U.S. lawyers. Candidates for a Master of Laws degree must have received their JD or comparable terminal law degree from another country.

**Degree Requirements:**

The program is designed to be completed in nine months on a full-time basis but also may be pursued on a part-time basis. A degree candidate must complete 24 credit hours of coursework to obtain the Master of Laws degree in biotechnology and genomics. A candidate may elect to write a graduate thesis for either three or six credit hours or can elect not to write a thesis and fulfill the equivalent credits with other coursework. Two required courses are: genetics and the law, and biotechnology: science, law and policy.

The remaining credit hours generally are obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

**Admission Requirements:**

Applicants should see the program website for application deadlines.

Admission to the program is competitive. In order to be admitted, an applicant must have completed a Juris Doctor degree program or a law degree program at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection is based on:

- academic background and potential
- career experience and ambitions
- diversity of experience and background
- space and resource limitations in the law school
- strength of experience related to the program sought and other factors

For an application to be considered complete, it must include the following:

- completed Law School Admissions Council electronic application form, available at <https://law.asu.edu/admission/llm> (<https://law.asu.edu/admission/llm>)
- completed LLM Credential Assembly Service report: <https://www.lsac.org/llm-other-law-program-applicants/application-process-llm-other-law-programs> (<https://www.lsac.org/llm-other-law-program-applicants/application-process-llm-other-law-programs>)
- required application fee
- resume that does not exceed three typed pages
- personal statement that does not exceed 1,250 words (double-spaced typed pages)
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred
- two letters of recommendation
- writing sample

**Additional Application Information**

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate College and Sandra Day O'Connor College of Law English proficiency requirements.

**Career Opportunities:**

Graduates of the Master of Laws program in biotechnology and genomics can excel in the following legal fields:

- agricultural law and policy
- bioethics
- biomedical research ethics and law
- biotechnology policy
- biotechnology licensing and litigation
- FDA regulation
- genetics and the law
- health law, particularly public health law
- intellectual property law
- nanotechnology law and policy
- neuroscience and the law
- patent law and patent litigation
- privacy



**Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/lm>  
BCLS 420  
lmasu@asu.edu  
480-965-1474

## Health Law and Policy (Certificate), Certificate (LWHLPGRCT)

**Online Degree Search Title:** Health Law Policy (Graduate Certificate)

**Campus:**

**Program Description:**

The health law and policy certificate at ASU's Sandra Day O'Connor College of Law is a pivotal component to the launching of a health law and policy career. The program is designed to immerse students in multiple areas of health law and policy, broadening their knowledge and skills in preparation for applied practice in public and private sectors, policy development or academic work.

**Degree Requirements:**

Required Core (5 credit hours)

LAW 650 Health Law (3)

LAW 651 Public Health Law (2)

Electives (10 credit hours)

Culminating Experience

writing requirement and active participation in health law

Additional Curriculum Information

Students are required to participate in at least one of the following activities; other activities consistent with this listing also may be considered by the program or certificate director or designee:

- active participation as an officer for at least one year in the student Health Law Society
- editorial board position for at least one year with JURIMETRICS
- health or public health law-based externships, upon approval from program director or designee, for at least one semester or summer session
- research assistant for at least one semester or summer session with the Public Health Law and Policy Program or other centers or programs at ASU Law, provided research is focused predominantly on health-related topics

The student must write a substantial paper on a health or public health law topic of at least 15 single-spaced pages and under guidance of a College of Law faculty member. Papers satisfying the college's Graduation Writing Requirement or Flexible Writing Requirement or law journal requirements can fulfill this certificate requirement, including as part of seminar courses among the elective courses.

Each student must earn a cumulative average grade of at least 3.00 (scale is 4.00 = "A") for courses taken to satisfy the substantive requirements of the health law and policy certificate. A student also must earn a minimum grade of a "B-" for any course applied toward the certificate.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must be existing JD or LLM students who are currently enrolled in coursework and in good academic standing with the ASU College of Law.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- admission application for the certificate program through Law Interactive\*
- proof of English proficiency

\*Students should refer to the College of Law website.

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

#### **Career Opportunities:**

ASU JD, LLM, and MLS students concentrating in health law and policy are finding career placements across the United States in a diverse array of related positions. Opportunities include:

- law firms
- health care entities
- health insurers
- government agencies at all levels
- policy think tanks and academic institutions, among others.

For more information, consult the Office of Career Services and check out the listing of prominent health law alums and their current positions on the center's website.

#### **Contact Information:**

Law, Sandra Day O'Connor College of  
College of Law Dean's Office  
<https://law.asu.edu/focus-areas/public-health-law-policy>  
BCLS 340  
publichealthlaw@asu.edu  
480-965-6181

## **Human Resources and Employment Law, MHREL (LWHREMREL)**

**Online Degree Search Title:** Human Resources and Employment Law, MHREL

**Campus:** Downtown Phoenix, Online

#### **Program Description:**

The MHREL is a non-JD graduate program that specifically caters to both entry level and established non-lawyer human resources, recruitment and operations professionals who wish to understand the legal and regulatory framework that governs recruiting, hiring, maintaining, promoting and dismissing employees and independent contractors in the public and private sectors.

Students identify and solve critical employment-related problems facing organizations that only trained professionals to understand by learning the complex legal and regulatory framework governing HR activities.

The Master of Human Resources and Employment Law program can be completed either in-person or online in one to three years, on a full-time or part-time basis.

#### **Degree Requirements:**

Required Core (18 credit hours)

SDO 501 U.S. Law and Legal Analysis: Masters (3)

SDO 531 Employment Law: Masters (3)

SDO 541 HR and Employment Law: Masters (3)

SDO 551 Duties, Obligations and Rights in the Workplace: Masters (3)

SDO 552 Employment Discrimination: Masters (3)

SDO 569 Advanced HR and Employment Law: Masters (3)

Electives or Research (9 credit hours)

Culminating Experience (3 credit hours)

SDO 685 Human Resource and Employment Law Capstone (3)

#### Additional Curriculum Information

Following completion of the six required core courses (18 credit hours), students in the Master of Human Resources and Employment Law program can select from varied elective courses (at least nine credit hours) that will count toward their degree. The pool of elective courses students can choose from include courses focused on employment law adjacent subject areas like privacy rights, dispute resolution and contracts. Students are also able to choose elective courses that present an opportunity to explore other legal areas that may interest them or be pertinent to their chosen career path.

The degree culminates in a three credit hour capstone course that focuses on the practical application of knowledge and skills gained during the degree. During the capstone course, students evaluate the impact of various statutory and regulatory laws that affect the day-to-day operations of a human capital management professional, learn how to successfully navigate challenges these laws present, and manage relationships with varying employee groups at all organizational levels.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume
- personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants with foreign education credentials should have all transcripts evaluated by the Academic Credentials Evaluation Institute, Inc. ACEI independently evaluates all academic documents issued in countries other than the United States.

All applicants must meet the requirements of the Graduate College, as well as those at ASU Law. If English is not an applicant's native language, and an applicant has not completed a bachelor's degree or higher at a regionally accredited institution in the United States, the applicant must provide evidence of English proficiency as indicated by acceptable scores. Most competitive applicants should have a TOEFL score of at least 66 (pBT) or 90 (iBT), an IELTS score of at least 7.0, or a PTE score of at least 64. Exceptional candidates with relevant experience and background who have scores slightly below the thresholds above will also be considered. ASU's institutional code is 4007.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/hr-and-employment-law/>)

#### Contact Information:

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu>  
BCLS 420

## Indian Law (certificate), Certificate (LWLAWGRCI)

**Online Degree Search Title:** Indian Law (Graduate Certificate)

**Campus:**

### Program Description:

Established more than 30 years ago, the Indian Legal Program at the Sandra Day O'Connor College of Law at Arizona State University has grown to become one of the most respected Indian law programs in the nation.

The Indian law certificate program is designed for JD students with an interest in Indian law. Students are required to take classes that are relevant to the practice of Indian law, write a substantial paper on an Indian law topic, and complete practical work experience in the award-winning Indian Legal Clinic. The Indian law certificate indicates a higher level of understanding in the subject matter.

### Degree Requirements:

The certificate program requires a minimum of 21 credit hours of substantive work in Indian law and related fields. The following courses are required:

LAW 632 Federal Indian Law I

LAW 704 Federal Indian Law II

LAW 776 Indian Legal Clinic

two advanced Indian law courses approved by the faculty director of the Indian Legal Program

The remaining credit hours are comprised of elective courses approved by the faculty director. Students must complete a substantial paper on an Indian law topic approved by the faculty director. Students must receive a grade of "C" (scale is 4.00 = "A") or above or a "Pass" in each course used to fulfill the Indian law certificate requirements.

More specific requirements for completion of the Indian law certificate can be found on the Sandra Day O'Connor College of Law website.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students wishing to pursue the Indian law certificate must be enrolled in the Juris Doctor degree program at the Sandra Day O'Connor College of Law and must be in good standing. Specific requirements for the Indian law certificate program can be found at the college's website.

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

### Career Opportunities:

Graduates stand out to employers, especially if seeking a job in representing state, federal or tribal governments or representing companies that do business with tribes.

Working for tribes, in public service, private practice and nonprofit organizations, Indian Legal Program alumni are making a difference in Indian Country.

### Contact Information:

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/indian-legal-program>  
BCLS 420  
ilp@asu.edu  
480-965-6204

**Online Degree Search Title:** Juris Doctor, JD

**Campus:** Downtown Phoenix

**Program Description:**

The JD program at the Sandra Day O'Connor College of Law offers a large selection of courses with options for transdisciplinary study with other departments on campus. Students find the opportunity to take classes with a more traditional, theoretical focus and to take advantage of many options that focus on the development of practice skills. The variety of focus areas offered by ASU Law include:

- business law
- criminal law
- health law
- Indian law
- international law
- international rule of law and security science and technology law
- law and sustainability
- patent practice
- sports law and business
- trial advocacy

ASU Law JD students must complete a total of 88 credit hours in order to graduate. First-year JD students take courses in civil procedure, contracts, torts, legal method and writing, property, constitutional law I, criminal law, legal advocacy and professional responsibility. After the first year, all courses are electives; students must satisfy two writing requirements and an experiential requirement in order to graduate. A full list of graduation requirements can be found here: <https://law.asu.edu/ABA%20Disclosures> (<https://law.asu.edu/ABA%20Disclosures>).

Focus programs, (<https://law.asu.edu/degree-programs> (<https://law.asu.edu/degree-programs>)), certificates (<https://law.asu.edu/degree-programs/jd/certificates> (<https://law.asu.edu/degree-programs/jd/certificates>)), study abroad options (<https://law.asu.edu/experiences/abroad> (<https://law.asu.edu/experiences/abroad>)), the Washington, D.C. campus, and many other opportunities are available to enhance students' experiences.

Students can pursue a Juris Doctor concurrently with other degrees from ASU like an MBA, MSW, MSLB or a PhD in justice studies. Mayo Clinic School of Medicine students also have an opportunity to pursue a dual JD/MD degree: <https://mayo.asu.edu/dualdegrees> (<https://mayo.asu.edu/dualdegrees>).

A flexible schedule program is offered for students who wish to attend law school but cannot eliminate all the other obligations in their lives to allow for full-time enrollment; however, it is not an evening program. More information can be found at: <https://law.asu.edu/degree-programs/jd/jd-flexible-schedule> (<https://law.asu.edu/degree-programs/jd/jd-flexible-schedule>).

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- Justice Studies, PhD
- Social Work - Standard Program, MSW
- W. P. Carey MBA - Full-Time Program

**Degree Requirements:**

Required Core (30 credit hours)

LAW 515 Contracts (4)

LAW 516 Criminal Law (3)

LAW 517 Torts (4)

LAW 518 Civil Procedure (4)

LAW 519 Legal Method and Writing (3)

LAW 522 Constitutional Law (3)

LAW 523 Property (4)

LAW 524 Legal Advocacy (2)

LAW 638 Professional Responsibility (3)

Electives (58 credit hours)

#### Additional Curriculum Information

A minimum of 64 units must be obtained from courses that involve attendance at regularly scheduled class sessions. The following do not count toward these required 64 units: all externships; independent studies; non-LAW courses taken at the College of Law under section II A 11 c; credits received for working for a journal under section II A 11 d; credits received for Moot Court under section II A 11 e; credits received for being a teaching assistant under section II A 11 f; and credit from courses without regularly scheduled meetings.

Students should see the College of Law's Statement of Student Policies for additional JD degree requirements.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

To be considered for admission to the JD program, applicants must have taken the LSAT (excludes applicants applying to the ASU Achievement Program) and have earned or will earn by the time of enrollment in law school a bachelor's degree that has been awarded by an institution that is accredited by an accrediting agency recognized by the United States Department of Education.

ASU Law requires applicants to apply electronically through the Law School Admission Council website at <https://www.lsac.org/> (<https://www.lsac.org/>).

An application for admission must include:

- electronic application (application fee waived for all 2021 applicants)
- personal statement (no more than two pages, double-spaced and font size no smaller than 11 point)
- resume (no more than two pages and font size no smaller than 11 point)
- character and fitness statement, if applicable, explaining affirmative answers to questions 1-8 in the Character and Fitness section
- binding admission contract, if applicable;
- a valid LSAT score (excludes applicants applying to the ASU Achievement Program)
- transcripts from each undergraduate and graduate institution attended (must be sent to LSAC)
- proof of English proficiency for applicants whose native language is not English regardless of current residency.

Applications may also include:

- letters of recommendation: no more than two letters submitted through LSAC to be included in applicant's Credential Assembly Service report\*
- Optional addenda

\*Since these are not required, the admissions office will not wait for letters to complete an applicant's file for review.

#### Additional Application Information

The JD program enrolls one first-year class per year, entering in the fall semester. The degree is a three-year full-time program. However, ASU Law offers a flexible scheduling option for students with circumstances that make full-time enrollment impossible, but it is not an evening program.

Admission to ASU Law is competitive and each year ASU Law receives more applications from eligible candidates than can be accommodated.

ASU Law seeks to enroll a dynamic group of individuals that will provide an engaging learning environment. The admissions committee makes decisions after considering all the information provided by the applicant. Among the factors influencing the admission decision are LSAT performance, undergraduate grade point average, quality and grading patterns of undergraduate institutions, previous graduate education, demonstrated commitment to public service, work and leadership experience, extracurricular or community activities, history of overcoming economic or other disadvantages, uniqueness of experience and background, maturity, ability to communicate, foreign language proficiency, honors and awards, service in the armed forces, and publications.

For detailed information about the Juris Doctor application process, interested applicants are asked to visit <https://law.asu.edu/admissions/apply/jd> (<https://law.asu.edu/admissions/apply/jd>).

#### Contact Information:

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/jd>  
BCLS 420  
asulaw.admissions@asu.edu  
480-965-1474

## Law and Sustainability (Certificate), Certificate (LWLSUSGRCT)

**Online Degree Search Title:** Law and Sustainability (Graduate Certificate)

**Campus:**

#### Program Description:

The law and sustainability graduate certificate within ASU's Sandra Day O'Connor College of Law is designed to propel ASU Law students into environmental sustainability-related legal careers. Environmental sustainability is a primary emphasis at ASU, and this certificate program leverages that emphasis by recognizing those law students who have successively immersed themselves in the study of sustainability-related law coursework

during their time at the law school.

The certificate program provides instruction and meaningful research experiences that equip students with the knowledge and skills necessary to become influential leaders in the global sustainability movement. The program's renowned faculty research and teach in every major area of sustainability policy, including climate change, water, energy and environmental protection. Students in the program have access to a range of externships, research opportunities, moot court experiences and mentorships.

### **Degree Requirements:**

Required Core (6 credit hours)

LAW 619 Energy Law and Policy (3) or

LAW 631 Environmental Law (3) or

LAW 639 Natural Resource Law (3) or

LAW 643 Water Law (3)

Electives (9 credit hours)

Culminating Experience

writing requirement and active participation in sustainability law

Additional Curriculum Information

Students must select two of the required core courses from the above list.

The academic unit maintains a list of preapproved elective coursework. Students should contact the academic unit for the current list.

Students must earn a cumulative grade point average of at least 3.00 (scale is 4.00 = "A") for those courses taken to satisfy the substantive coursework requirement for the law and sustainability certificate. Students also must earn a minimum grade of "B" in any approved elective course taken outside of the Sandra Day O'Connor College of Law.

To earn the certificate, students must participate in at least two different activities from the following list:

- completion of a sustainability-focused legal externship approved by the program or faculty director
- completion of the Sustainability Law Research Seminar
- membership on the elected board of the law school's Environmental Law Society student chapter
- participation in an extramural environmental or sustainability moot court competition approved by the program or faculty director
- participation as a mentee in the Mentorship Initiative in Sustainability Law

Each student must write a substantial paper on a topic related to law and sustainability. The paper must be at least 15 pages in length and written under the guidance of a member of the Sandra Day O'Connor College of Law faculty. A sustainability-related paper written to satisfy the Sandra Day O'Connor College of Law's graduate writing requirement or flexible writing requirement can fulfill this writing requirement, including a paper written as part of a seminar course included on the list of elective courses.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants must be existing JD or LLM students who are currently enrolled in coursework and in good academic standing with the Sandra Day O'Connor College of Law.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- an admission application for the certificate program through Law Interactive. Students should refer to the Sandra Day O'Connor College of Law website.
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

**Career Opportunities:**

Because ASU's Sandra Day O'Connor College of Law is situated in downtown Phoenix and in close proximity to dozens of law firms, government offices and other legal employers in sustainability-related fields, numerous ASU law students involved in the law and sustainability program secure legal externships each year.

Below is a listing of some of the externships ASU law students have done in recent years that have a connection to environmental sustainability:

- Arizona Attorney General's Office - Environmental Enforcement Section
- Arizona Attorney General's Office - Natural Resources Section
- Arizona Corporation Commission
- Arizona Department of Environmental Quality
- Arizona State Legislature
- City of Mesa
- City of Scottsdale
- Climate Institute
- Gammage & Burnham PLC
- Kyl Center for Water Policy
- Office of Water Master
- Rose Law Group PC
- Salt River Project
- United States Environmental Protection Agency

**Contact Information:**

Law, Sandra Day O'Connor College of  
College of Law Dean's Office  
<https://law.asu.edu/focus-areas/sustainability>  
BCLS 478  
LawandSustainability@asu.edu  
480-965-7553

## Law, Science, & Technology (certificate), Certificate (LWLAWSTCE)

**Online Degree Search Title:** Law, Science, and Technology (Graduate Certificate)

**Campus:**

**Program Description:**

The law, science and technology certificate program is for students with science and technology interests and is limited to students in good standing pursuing a JD degree at the Sandra Day O'Connor College of Law.

At ASU, the law, science and technology program is home to intellectual property, life sciences and biotechnology, and governance of emerging technologies focus areas, as well as the newest addition --- data, privacy and security. In each area, the program offers a specialized graduate certificate with robust coursework, student cohorts with attorney and faculty mentorship, and presentation and publication opportunities. In addition, the program collaborates with five ASU Law student organizations, programs in health law, international law and sustainability law, and other ASU partners to create an interdisciplinary understanding of the issues driven by science and technology that span all areas of law, policy, and practice.

Students can choose to earn a general certificate or focus in one or more of the following areas:

- data, privacy and security
- intellectual property
- life sciences

**Degree Requirements:**

Students must satisfy their graduation writing requirement on a topic related to law, science and technology. The paper must meet all of the Sandra Day O'Connor College of Law requirements for a graduation writing requirement and must be supervised by a center fellow.

A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") is required for those courses that satisfy the substantive coursework requirements of the certificate. Courses used to satisfy the core or focus area requirements may not be taken for pass or fail credit. A student may take one elective course on a pass or fail basis.



Substantive coursework is required in law, science and technology subjects for a minimum of seven courses, earning at least 16 credit hours, at the Sandra Day O'Connor College of Law. Two courses are chosen from the designated core courses and five courses are chosen from a list of elective courses.

Each student is encouraged to actively participate in the events (lectures, conferences, symposia) sponsored by the Center for Law, Science and Innovation and to participate in at least one approved activity for two semesters.

Additional details of the program requirements for the law, science and technology certificate can be found in the Sandra Day O'Connor College of Law Statement of Student Policies.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students wishing to pursue the law, science and technology certificate must be enrolled in the JD program at the Sandra Day O'Connor College of Law and be in good standing.

Specific requirements for admission to the law, science and technology certificate program can be found on the college website.

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### **Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/focus-areas/law-technology>  
BCLS 420  
Lsi@asu.edu  
480-965-5386

## **Laws, LL.M. (LAWLAWSLLM)**

**Online Degree Search Title:** Laws, LLM

**Campus:** Downtown Phoenix

#### **Program Description:**

The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students. Study is available in a variety of areas in which the law school holds particular strength.

With more than 250 unique courses to choose from each year (<https://law.asu.edu/admissions/courses> (<https://law.asu.edu/admissions/courses>)), the 24-credit hour Master of Laws program is customized to meet students' career goals with focus on popular areas of study: <https://law.asu.edu/degree-programs> (<https://law.asu.edu/degree-programs>). The graduate program is flexible with fall and spring starts as well as full-time and part-time options. In order to be admitted to the Master of Laws program, applicants must have completed a Juris Doctor degree or a law degree at a foreign institution that would qualify an applicant to practice law.

The college also offers a Master of Laws in biotechnology and genomics (<https://law.asu.edu/focus-areas/biotech-genomics> (<https://law.asu.edu/focus-areas/biotech-genomics>)) and in tribal policy, law and government (<https://law.asu.edu/indian-legal-program> (<https://law.asu.edu/indian-legal-program>)).

To learn more, students should attend one of many provided information sessions: <https://law.asu.edu/visit> (<https://law.asu.edu/visit>).

Focus areas include:

- business law: <https://law.asu.edu/focus-areas/business-law> (<https://law.asu.edu/focus-areas/business-law>)
- criminal law: <https://law.asu.edu/focus-areas/criminal-law> (<https://law.asu.edu/focus-areas/criminal-law>)
- entrepreneurship law and strategy: <https://law.asu.edu/focus-areas/entrepreneurship-law-strategy> (<https://law.asu.edu/focus-areas/entrepreneurship-law-strategy>)
- health law: <https://law.asu.edu/focus-areas/public-health-law-policy> (<https://law.asu.edu/focus-areas/public-health-law-policy>)
- Indian gaming: <https://law.asu.edu/focus-areas/indian-gaming-governance> (<https://law.asu.edu/focus-areas/indian-gaming-governance>)
- Indian law: <https://law.asu.edu/indian-legal-program> (<https://law.asu.edu/indian-legal-program>)
- international law: <https://law.asu.edu/focus-areas/international> (<https://law.asu.edu/focus-areas/international>)

- international rule of law and security: <https://law.asu.edu/focus-areas/irls> (<https://law.asu.edu/focus-areas/irls>)
- law and sustainability: <https://law.asu.edu/focus-areas/sustainability> (<https://law.asu.edu/focus-areas/sustainability>)
- patent practice: <https://law.asu.edu/focus-areas/patent> (<https://law.asu.edu/focus-areas/patent>)
- science and technology law: <https://law.asu.edu/focus-areas/law-technology> (<https://law.asu.edu/focus-areas/law-technology>)
- tribal self-governance: <https://law.asu.edu/focus-areas/indian-gaming-governance> (<https://law.asu.edu/focus-areas/indian-gaming-governance>)

### **Degree Requirements:**

The program requires 24 credit hours. Required courses depend on the student's particular concentration in the degree. International students are required to take LAW 596 Professional Legal Writing. A candidate may elect either to write a master's degree portfolio paper or complete an applied project. The remaining credit hours generally are obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

All applicants must submit:

- completed LLM application form and application fee
- official transcripts from all institutions attended
- explanations to affirmative answers to any conduct questions
- resume, not exceeding three typed pages
- statement of interest, not exceeding 1,250 words (double-spaced, typed pages)
- two letters of recommendation
- writing sample
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Sandra Day O'Connor College of Law website for acceptable TOEFL scores and additional information for foreign educated applicants.

All foreign educated applicants are required to use the Law School Admission Council LLM Credential Assembly Service, which includes the ASU Law Electronic Application, the Document Assembly Service, and the International Transcript and Authentication Service. Students should refer to the special instructions for foreign-educated applicants: <https://law.asu.edu/admissions/apply/llm/foreign>

(<https://law.asu.edu/admissions/apply/llm/foreign>).

- Complete the LSAC 2019 Electronic Application: <https://llm.lsac.org/login/access.aspx?appl=4007L1>"

(<https://llm.lsac.org/login/access.aspx?appl=4007L1>).

- Complete the CAS report. The CAS report must be from the current application year: <https://www.lsac.org/> ([https://www.lsac.org/"](https://www.lsac.org/) target=).

U.S.-educated applicants have the option of applying through the LSAC LLM Credential Assembly Service, which includes the ASU Law Electronic Application and Document Assembly Service or applying through the ASU Law website using the LLM application form:

<https://www.law.asu.edu/LLMApp> (<https://www.law.asu.edu/LLMApp>)

ASU law alumni graduates who are interested in the LLM should refer to the Law for Life program: <https://law.asu.edu/alumni>

(<https://law.asu.edu/alumni>).

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and these are provided to the ASU College of Law by LSAC. Transcripts are required from all institutions attended, and transcripts showing that the bachelor's degree and law degree were conferred must be included. Applicants who encounter any problems should contact the LSAC help desk at 215-968-1001.

For applications to be considered complete, submissions must include all items in the bulleted list above.

Admission to the program is competitive. Selection is based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school and other factors.

Applicants should see the program website for application deadlines.

### **Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/lm>  
BCLS 420  
lmasu@asu.edu  
480-965-1474

## Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)

**Online Degree Search Title:** Laws (Global Legal Studies), LLM

**Campus:** Downtown Phoenix

### Program Description:

The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students.

The program draws on the unique focus of the center and the faculty's international and transnational legal expertise in global health, the environment, human rights, trade and emerging technologies. The program emphasizes transdisciplinary study and links rigorous legal training with the research and scholarship drawn from political science, policy studies, anthropology and sustainability.

Students can take a wide variety of courses on international topics, ranging from international environmental law to international human rights law to international institutions. These include business-related courses such as international contracts, international taxation, international commercial arbitration and international business transactions.

Students who participate in externships gain practical experience that makes them more competitive for jobs at home and abroad. ASU Law can place every eligible enrolled student into an externship at organizations in Arizona (<https://law.asu.edu/about/locations/phoenix> (<https://law.asu.edu/locations/phoenix>)) or Washington, D.C., like the U.S. State Department, World Bank, International Rescue Committee, Department of Homeland Security and Human Rights First. ASU Law DC-based externship opportunities are available to view here: <https://law.asu.edu/experiences/externships> (<https://law.asu.edu/experiences/externships>). The opportunity for students to network with international decision-makers, opinion leaders and top practitioners is further amplified through ASU's large presence in Washington, D.C. (<https://washingtondc.asu.edu/#why-is-asu-in-washington-dc> (<https://washingtondc.asu.edu/#why-is-asu-in-washington-dc>)).

Students can develop professionally by engaging with globally minded leaders in the legal, government and business communities. For instance, the Phoenix Committee on Foreign Relations hosts events and other forums for select students to engage with prominent leaders and practitioners on trending international issues.

Each year, the Sandra Day O'Connor College of Law holds a workshop with the American Red Cross on international humanitarian law that brings students, members of the military and community leaders together to learn more about the principles governing armed conflict.

### Degree Requirements:

The program is designed to be completed in one academic year (nine months) on a full-time basis but may also be pursued on a part-time basis. A degree program candidate must complete 24 credit hours of coursework. A candidate may elect to write a master's degree portfolio paper or, instead, can elect to complete an applied project. Required coursework includes two of the following courses:

LAW 615 Public International Law (3)  
LAW 691 Seminar: International Institutions (2)  
LAW 709 International Human Rights (2-3)  
LAW 768 International Business Transactions (2-4)

An international student whose initial law degree is not from a U.S. law school is required to take the following course:

LAW 596 Professional Legal Writing (2)

The remaining credit hours are generally obtained from the list of elective courses in international law.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

All applicants must submit:

- completed LLM application form and application fee
- official transcripts
- resume, not exceeding three typed pages
- statement of interest, not exceeding 1,250 words (double-spaced, typed pages)
- two letters of recommendation
- writing sample
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the College of Law website for acceptable TOEFL scores and additional information for foreign educated applicants.

Applicants are encouraged to apply electronically through <https://www.lsac.org> (<https://www.lsac.org/>).

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and are provided to the ASU College of Law by LSAC. Transcripts are required from all institutions attended, and transcripts showing that the bachelor's degree and law degree were conferred must be included.

Admission to the program is competitive. Selection is based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school and other factors.

Potential applicants should see the program website for application deadlines.

#### Contact Information:

Law, Sandra Day O'Connor College of  
 Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/lm>  
 BCLS 420  
 llmasu@asu.edu  
 480-965-1474

## Legal Studies, MLS (LWLGSMLGS)

**Online Degree Search Title:** Legal Studies, MLS

**Campus:** Downtown Phoenix, Online

#### Program Description:

The MLS degree is offered for students who want to understand legal principles and apply them to their fields of interest without becoming a lawyer.

This degree program is for those interested in learning about the law or whose work intersects with the law. The program is flexible; it is offered in the fall, spring and summer, full-time and part-time, on campus and online: <https://law.asu.edu/degree-programs/mls>.

Students may focus their program on popular areas of study (<https://law.asu.edu/degree-programs> (<https://law.asu.edu/degree-programs>)) and can also pursue a concurrent program with the degrees listed below. The Master of Legal Studies program is also offered with concentrations in patent practice, and sports law and business.

To learn more, applicants should attend one of many offered information sessions: <https://law.asu.edu/admissions/visit> (<https://law.asu.edu/visit>).

Focus areas offered in-person include:

- business law: <https://law.asu.edu/focus-areas/business-law> (<https://law.asu.edu/focus-areas/business-law>)
- conflict resolution: <https://law.asu.edu/degree-programs/conflict-resolution> (<https://law.asu.edu/degree-programs/conflict-resolution>)
- criminal law: <https://law.asu.edu/focus-areas/criminal-law> (<https://law.asu.edu/focus-areas/criminal-law>)
- entrepreneurship law and strategy: <https://law.asu.edu/focus-areas/entrepreneurship-law-strategy> (<https://law.asu.edu/focus-areas/entrepreneurship-law-strategy>)
- health law: <https://law.asu.edu/degree-programs/public-health-law-policy> (<https://law.asu.edu/focus-areas/public-health-law-policy>)
- human resources and employment law (also offered online): <https://law.asu.edu/degree-programs/mls/mls-online/hr-concentration-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/hr-concentration-mls>)
- Indian gaming: <https://law.asu.edu/focus-areas/indian-gaming-governance> (<https://law.asu.edu/focus-areas/indian-gaming-governance>)
- Indian law: <https://law.asu.edu/degree-programs/indian-law> (<https://law.asu.edu/indian-legal-program>)
- intellectual property law: <https://law.asu.edu/degree-programs/mls/mls-online/intellectual-property-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/intellectual-property-mls>)
- international law: <https://law.asu.edu/degree-programs/programs/international> (<https://law.asu.edu/focus-areas/international>)
- international rule of law and security: <https://law.asu.edu/degree-programs/irls> (<https://law.asu.edu/focus-areas/irls>)

- law and sustainability: <https://law.asu.edu/degree-programs/sustainability> (<https://law.asu.edu/focus-areas/sustainability>)
- patent practice: <https://law.asu.edu/degree-programs/programs/patent> (<https://law.asu.edu/focus-areas/patent>)
- science and technology law: <https://law.asu.edu/degree-programs/law-technology> (<https://law.asu.edu/focus-areas/law-technology>)
- sports law and business (offered as the MSLB degree): <https://law.asu.edu/degree-programs/sports-law-business> (<https://law.asu.edu/degree-programs/mslb>)

Focus areas offered only online include:

- conflict resolution: <https://law.asu.edu/degree-programs/mls/mls-online/conflict-resolution> (<https://law.asu.edu/degree-programs/mls/mls-online/conflict-resolution>)
- construction law: <https://law.asu.edu/degree-programs/mls/mls-online/construction-law> (<https://law.asu.edu/degree-programs/mls/mls-online/construction-law>)
- contract management: <https://law.asu.edu/degree-programs/mls/mls-online/contract-management> (<https://law.asu.edu/degree-programs/mls/mls-online/contract-management>)
- corporate and health care compliance: <https://law.asu.edu/degree-programs/mls/mls-online/corporateandhealthcarecompliance> (<https://law.asu.edu/degree-programs/mls/mls-online/corporateandhealthcarecompliance>)
- a>criminal law: <https://law.asu.edu/degree-programs/mls/mls-online/criminal-law-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/criminal-law-mls>)
- human resources and employment law: <https://law.asu.edu/degree-programs/mls/mls-online/hr-concentration-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/hr-concentration-mls>)
- Indian gaming: <https://law.asu.edu/focus-areas/indian-gaming-governance> (<https://law.asu.edu/focus-areas/indian-gaming-governance>)
- intellectual property law: <https://law.asu.edu/degree-programs/mls/mls-online/intellectual-property-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/intellectual-property-mls>)
- sports law and business: <https://law.asu.edu/degree-programs/mls/mls-online/sports-business-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/sports-business-mls>)
- sustainability law: <https://law.asu.edu/degree-programs/mls/mls-online/sustainability-mls> (<https://law.asu.edu/degree-programs/mls/mls-online/sustainability-mls>)
- tribal self-governance: <https://law.asu.edu/focus-areas/indian-gaming-governance> (<https://law.asu.edu/focus-areas/indian-gaming-governance>)

Pursuant to American Bar Association standards, no law credits completed prior to admission to a JD program, including credits earned in the Master of Legal Studies program, may be transferred to a future Juris Doctor program under any circumstances.

#### **Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- Accountancy, MACC
- Information Systems Management, MS
- Management, MS
- Master of Mass Communication, MMC
- Real Estate Development, MRED
- Sustainability Solutions, MSUS
- Taxation, MTax
- W. P. Carey MBA - Full-Time Program
- W. P. Carey MBA - Professional Flex Program

#### **Degree Requirements:**

The program consists of 30 credit hours of approved study. The degree program can be completed on a full-time or part-time basis. Students are required to take:

LAW 581 U.S. Law and Legal Analysis (3)

Students are required to choose one of the following basic foundational courses:

- LAW 515 Contracts\* or LAW 530 Fundamentals of Contract Law (4/3)
- LAW 516 Criminal Law (3)\*
- LAW 517 Torts (2/4)\*
- LAW 518 Civil Procedure (3/5)\*
- LAW 522 Constitutional Law (3)\*
- LAW 523 Property (2/4)\*

LAW 602 Civil Procedure II (3/4)  
LAW 604 Criminal Procedure (3)  
LAW 625 Survey of Individual Rights in Constitutional Law (3/4)  
LAW 654 Business Organizations (3/4)  
LAW 664 Intellectual Property (2/4)

\*Students may enroll in no more than two of the courses marked with an asterisk.

The remainder of the credits are electives. Elective course selection is flexible, to accommodate the diversity of intellectual and professional interests the program is intended to serve.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from an accredited four-year college or university in the United States or attained a comparable degree from a foreign institution.

All applicants must submit:

- completed MLS application form and application fee
- official transcripts from all institutions attended
- proof of English proficiency
- resume that does not exceed three typed pages

#### **Additional Application Information**

Applicants who have received their bachelor's or master's degree in the U.S. can apply through the MLS FastApp application process, which streamlines the application process and may allow for an offer of conditional admission to the MLS program while the applicant continues to submit any additional requested documentation.

If a decision cannot be made from the FastApp, the Sandra Day O'Connor College of Law Admissions team may request additional information from the applicant, including any or all of the following:

- writing sample
- explanations to affirmative answers to any conduct questions
- two letters of recommendation

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Sandra Day O'Connor College of Law website for acceptable TOEFL scores and additional information for foreign-educated applicants.

MLS applicants with foreign education credentials must have all transcripts evaluated by the Academic Credentials Evaluation Institute, Inc. (ACEI) independently evaluates all academic documents issued in countries other than the United States. Students should contact ACEI through that organization's website to obtain an application for an evaluation. Applicants must request a course-by-course evaluation and order an official copy be sent directly to:

Sandra Day O'Connor College of Law  
Arizona State University  
Beus Center for Law and Society  
Office of Admissions and Financial Aid  
Mail Code: 9520  
111 E Taylor St.  
Phoenix, AZ 85004

Admission to the program is competitive. Selection is based on a variety of factors, including academic background and potential, diversity of experience and background, career experience and ambitions, space and resource limitations in the law school and other factors.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-legal-studies/>)

#### **Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/mls>  
BCLS 420

## Legal Studies (Patent Practice), MLS (LWLPPMLEGS)

**Online Degree Search Title:** Legal Studies (Patent Practice), MLS

**Campus:** Downtown Phoenix

### Program Description:

The concentration in patent practice within the MLS degree program prepares students for the practice of patent law as registered patent agents with the United States Patent and Trademark Office. The program focuses on providing students with substantial doctrinal knowledge about patent law as well as practical skills training that includes a capstone clinical course, relevant in the patent law field.

Undergraduates with a degree in engineering or hard science can draft and submit patent applications on behalf of themselves and others after passing the patent bar exam and becoming a registered patent agent with the USPTO. Additionally, many law firms, corporations, entrepreneurial ventures and others hire nonlawyers to draft patents.

At the Sandra Day O'Connor College of Law, the patent practice program provides students with a detailed understanding of patent law and a general understanding of intellectual property and the U.S. legal system. Skills gained enable students to successfully assist clients in securing their patentable invention rights.

### Clinical experience

Students in the Lisa Foundation Patent Law Clinic (<https://law.asu.edu/experiences/clinics/lisa-foundation>) (<https://law.asu.edu/experiences/clinics/lisa-foundation>) receive hands-on experience in real-world patent prosecution and learn skills needed to recognize and obtain valuable and enforceable patents for clients that later may be successfully licensed or litigated. Regardless of whether students plan to practice transactional patent law or work in patent litigation, the clinic gives students insight into both areas of practice so they may understand the impact that actions taken during the patent procurement process have during a subsequent patent litigation.

Through their clinical experience, students work with independent inventors and start-up companies to draft and prosecute patent applications in the USPTO under the supervision of licensed patent attorneys. Additionally, students learn to conduct validity and infringement analyses while gaining valuable skills such as patent due diligence, valuation and licensing strategies.

The clinic focuses on providing students with hands-on experience in the most commonly encountered practical areas such as inventor interviewing, patentability searching and opinion drafting, patent application and office action response drafting, and examiner interviewing.

### Degree Requirements:

Required Core (3 credit hours)

LAW 581 U.S. Law and Legal Analysis (3)

Concentration (18 credit hours)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

clinical experience (Lisa Foundation Patent Law Clinic) (3)

Total required credit hours (30)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Admission to the concentration requires a bachelor's degree in one of the following:

- aeronautical engineering
- agricultural engineering
- biochemistry
- biology
- biomedical engineering
- botany
- ceramic engineering

- chemical engineering
- civil engineering
- computer engineering
- computer science\*
- electrical engineering
- electrochemical engineering
- electronics technology
- engineering physics
- food technology
- general chemistry
- general engineering
- geological engineering
- industrial engineering
- marine technology
- mechanical engineering
- metallurgical engineering
- microbiology
- mining engineering
- molecular biology
- nuclear engineering
- organic chemistry
- petroleum engineering
- pharmacology
- physics
- textile technology

\*Acceptable computer science degrees must be accredited by the Computer Science Accreditation Commission of the Computing Sciences Accreditation Board or by the Computing Accreditation Commission of ABET on or before the date the degree was awarded.

A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program is required. A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree is required.

All applicants must submit:

- completed MLS application form and application fee
- official transcripts
- resume, not exceeding three typed pages
- statement of interest (typed, double-spaced) not exceeding 1,250 words
- two letters of recommendation
- a writing sample
- proof of English proficiency

Additional Admission Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency as indicated by acceptable scores. Applicants should have a TOEFL score above 600 (paper), 250 (computer) or 100 (internet). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper), 243 (computer) or 96 (internet) also are considered. Applicants must meet the requirements of the Graduate College as well as those of the Sandra Day O'Connor College of Law.

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (<https://www.wes.org> (<https://www.wes.org>)).

There is no required admission examination.

Potential applicants should see the program website for application deadlines.

#### **Career Opportunities:**

Trends show an increase in the hiring of patent agents by many law firms, large corporations and other companies that rely on patent prosecution expertise provided by these nonlawyers who are approved by the USPTO to represent individuals and companies in the patent prosecution process.

#### **Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/focus-areas/patent>



## Sports Law and Business, MSLB (LWSLBMSLB)

**Online Degree Search Title:** Sports Law and Business, MSLB

**Campus:**

### Program Description:

The MSLB program at the Sandra Day O'Connor College of Law at Arizona State University is centrally located in vibrant downtown Phoenix. This unique program blends sports, law and business from a nationally ranked law school with world-class faculty, including MLB Commissioner Emeritus Allan "Bud" Selig. Phoenix is a destination for the next generation of sports professionals, boasting opportunities for working, learning and networking in every major industry in American sports. The sports law and business program uses the expertise of world-class faculty and programming to provide specialized and targeted experiences for legal scholars with career aspirations in sports. It is the only law master's degree program in the U.S. that combines sports, law and business into one comprehensive program.

This in-person 36-credit hour degree program is offered in the Fall semester and has both full-time and part-time student opportunities. The program offers admitted students the opportunity to apply for the following opportunities: The Allan "Bud" Selig Scholarship and the MSLB Graduate Assistantship positions with Sun Devil Athletics. These opportunities are only available to students that have been accepted into the Master of Sports Law and Business program.

### Degree Requirements:

36 credit hours including the required applied project course (SLB 593).

#### Required Core (21 credit hours)

- SLB 510 Amateur Sports Law: MSLB (3) or SLB 512 Professional Sports Law (3)
- SLB 511 Career Strategies and Business Communications in the Sports Industry (3)
- SLB 514 Negotiations and Alternative Dispute Resolutions in the Sports Industry (3)
- SLB 515 Sports Business Strategies and Executive Decisions (3)
- SLB 517 Marketing for Sports Organizations (3)
- SLB 518 Sports Analytics (3)
- SLB 581 U.S. Law and Legal Analysis Through Sport (3) or LAW 519 Legal Method and Writing (3)

#### Electives or Research (12 credit hours)

- SLB 516 Revenue Generation in Sports (3)
- SLB 519 Pro Sports Teams Operations (3)
- SLB 522 NCAA Compliance (3)
- SLB 523 MLB Impact on Law and Society (1-3)
- SLB 524 Law of Sports Branding (3)
- SLB 525 Sports Big Events (3)
- SLB 598 Topic: Sports Sponsorship, Partnership, and Activations (3)
- SLB 598 Topic: Strategic Planning for the Future in Sports (3)
- SLB 598 Topic: Innovating Sports Organizations: Leadership and Diversity and Inclusion (3)

#### Culminating Experience (3-6 credit hours)

- SLB 593 Applied Project (3-6)

#### Additional Curriculum Information

Students must complete a minimum of three credits with a maximum of six credits of applied project to serve as their culminating experience. This allows for additional applied projects for those who want to apply their studies to varying experiences.

### Admission Requirements:

Applicants must fulfill and complete all requirements in order for their application to be reviewed. Applicants that submit an incomplete application or do not provide all of the required documents will not be reviewed by the admissions committee.

In addition to the MSLB application, applicants are required to submit the following documents:

- official transcripts or unofficial transcripts
- resume (fewer than 3 pages)
- personal statement; a minimum of 1,250 words is required

- two professional letters of recommendation

Additional application requirements may be requested. For updates on these items, students may visit: <https://law.asu.edu/admission/mslb> (<https://law.asu.edu/admission/mslb>).

Applications are reviewed on a rolling admissions basis. Once an application has been reviewed, an applicant may be selected for an interview based on the qualifications of the application.

A minimum of a bachelor's degree from a regionally accredited four-year college or university in the United States or a comparable degree from a foreign institution is required.

Admissions into the sports law and business program is only offered for the Fall semester. Applicants do not have the option to apply for Spring or Summer semester start date.

#### International Student Application Information

An applicant whose native language is not English must provide proof of English proficiency as indicated by acceptable scores regardless of current residency. Applicants should have a TOEFL score more than 600 (paper), 250 (computer), or 100 (internet). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper), 243 (computer) or 96 (internet) also are considered. ASU's institutional code is 4007. This proof of English proficiency is required for international students and must be included in the documents required for the MSLB application.

Applicants who have received undergraduate or graduate degrees from foreign institutions must have their transcripts evaluated by World Education Services, and WES must send that evaluation to the offices of the Sandra Day O'Connor College of Law. Evaluation of international transcripts must be reviewed and included in the application.

#### Additional Application Information

##### Transcripts

Official transcripts from all postsecondary institutions of higher education attended must be submitted to [mslbasu@asu.edu](mailto:mslbasu@asu.edu) (<mailto:mslbasu@asu.edu>) or mailed to the College of Law Admission Office. An official transcript is a transcript certified by the issuing school and sent directly to ASU or delivered to ASU in a sealed envelope with a seal intact.

##### Character and Fitness

If an applicant answers "Yes" to any of the questions in this section, a separate statement or electronic attachment providing a complete description of the actions and full details of the charges and sanctions against the applicant must be included. The applicant also must include any charges that have been expunged, sealed or set aside, even if told by a judge or attorney it is not necessary to include. Additionally, the applicant should provide a personal account of the events that led to the charges or discipline. Failure to include this information results in an incomplete application. Incomplete applications will not be reviewed by the admission committee.

Admission to the Master of Sports Law and Business program is very competitive. Selection is based on a variety of factors, including academic background, experience and background in the sports industry, personal statement and goals, and other factors determined through the application process.

#### **Career Opportunities:**

This program prepares graduates for a career in the sports industry in the highest levels of sports, such as the NBA, NFL, NCAA, MLB or PGA.

#### **Contact Information:**

Law, Sandra Day O'Connor College of  
Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/mslb>  
BCLS 420  
[MSLBASU@asu.edu](mailto:MSLBASU@asu.edu)  
480-965-1474

## **Trial Advocacy (Certificate), Certificate (LWTAGRCT)**

**Online Degree Search Title:** Trial Advocacy (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

The graduate certificate program in trial advocacy provides students interested in pursuing a career in criminal prosecution, criminal defense or civil litigation with a prescribed course of study to help prepare them for practice. In addition, it serves as a credential representing to future employers and clients that a JD student has a demonstrated interest in trial advocacy and a solid foundation in the knowledge and the skills needed to succeed in the field.

**Degree Requirements:**

Required Core (6 credit hours)

LAW 602 Civil Procedure II (3) or LAW 604 Criminal Procedure (3)

LAW 605 Evidence (3)

Alternative Dispute Resolution Requirement (2 credit hours)

Litigation Requirement (3 credit hours)

Electives (4 credit hours)

Other requirements

practical experience in client representation

Additional Curriculum Information

To earn the certificate, a student must take classes in courtroom practice and procedure as well as alternative dispute resolution, participate in experiential learning either through simulation-based instruction in litigation and courtroom advocacy or by representing clients in a clinical setting, and gain additional practical experience through pro bono service, participation in a moot court competition or enrollment in a Rule 38 externship.

Students must complete four credit hours of electives from a selection of over 40 classes.

For the Alternative Dispute Resolution requirement, students must complete a minimum of two credit hours from the Alternative Dispute Resolution requirement course list.

For the Litigation requirements, students must complete a minimum of three credit hours from the Litigation requirement course list.

Students must gain practical experience in client representation by completing one of the following while maintaining continuous enrollment:

- completion of a Rule 38 externship or
- pro bono service --- minimum of 50 hours working with an approved legal services organization or
- representation of the College of Law in a regional, national or international moot court competition

Additional information on what specific courses can be used to fulfill the certificate requirements can be found on the College of Law trial advocacy page.

**Admission Requirements:**

Applicants must fulfill the requirements of the both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants must be existing JD program students who are currently enrolled in coursework and in good academic standing with the ASU College of Law.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- trial advocacy certificate application
- graduate application through Law Interactive. Applicants should refer to the College of Law website.
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

**Contact Information:**

Law, Sandra Day O'Connor College of  
College of Law Dean's Office  
<https://law.asu.edu/focus-areas/trial-advocacy>  
BCLS 456  
asutrialadvocacy@gmail.com  
480-965-6413

## **Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)**

**Online Degree Search Title:** Tribal Policy, Law, and Government, LLM

**Campus:** Downtown Phoenix

**Program Description:**

The LLM program in tribal policy, law and government is designed for lawyers and law school graduates who desire to work on issues related to tribal law and federal Indian law at the professional and academic levels. The Sandra Day O'Connor College of Law is a leading institution in producing graduates specializing in Indian law. The College of Law is also home to the nationally known Indian Legal Program, established in 1988.

The program provides students with a detailed understanding of the nature of tribal government and of law and policy development within the domestic federal structure. Candidates benefit from the extensive resources committed to the Indian Legal Program, including a director and staff and an Indian law clinic with its own full-time director and staff.

The core curricular offerings focus on domestic tribal law, federal Indian law and American institutions of law and government. The program explores the expression of domestic law within contemporary administrative, governmental and judicial institutions.

Arizona State University is located in the heart of the southwestern U.S., home to roughly one-third of the native population in the U.S. and where many of the largest Indian nations in the country are located. The university is the academic home for several nationally known scholars who do research on American Indian issues, and it houses many unique resources for such scholarship, including the Labriola Collection at Hayden Library.

**Degree Requirements:**

The program is administered by the Indian Legal Program and is oriented toward students who seek practical experience in tribal law and federal Indian law. It provides intensive instruction to students who graduated from a law school that had few or no courses in Indian law and who now seek to practice in these areas at a professional level. This degree program requires a minimum of 24 credit hours of study. A thesis is not required.

Students immerse themselves in the study of tribal law and federal Indian law and apply the knowledge and experience they gain through the practical component of the degree program which may consist of research projects for tribal courts and governments; state, tribal and federal court practice; and tribal code drafting.

Graduates are well-equipped for professional positions that require knowledge and expertise in tribal law and federal Indian law. Students have the option of pursuing the degree on a part-time basis.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and College of Law English proficiency requirements.

Admission to the program is competitive. In order to be admitted, an applicant must have completed a JD degree or law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program.

Selection will be based on academic background and potential, career experience and ambitions, diversity of experience and background, space and resource limitations in the law school, and the applicant's strength of experience related to the program sought, as well as other factors.

Applicants are encouraged to apply electronically through <https://www.lsac.org> (<https://www.lsac.org>). For an application to be considered complete, it must include the following:

- the completed LLM application form

- the required application fee
- a resume that does not exceed three, typed pages
- a statement of interest that does not exceed 1,250 words, typed and double-spaced
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred
- two letters of recommendation
- a writing sample

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and are provided to the ASU College of Law by LSAC.

Students should see the program website for application deadlines.

**Contact Information:**

Law, Sandra Day O'Connor College of  
 Sandra Day O'Connor College of Law  
<https://law.asu.edu/degree-programs/lm>  
 BCLS 420  
 llmasu@asu.edu  
 480-965-1474

## Liberal Arts and Sciences, The College of

### Actuarial Science, MS (LAACTMS)

**Online Degree Search Title:** Actuarial Science, MS

**Campus:** Tempe

**Program Description:**

The MS program in actuarial science emphasizes broad awareness and appreciation of current issues faced by insurance industry practitioners as well as innovative resolutions provided by actuaries.

Students to advance their knowledge base by applying mathematical and statistical concepts and data analytics to the disciplines of risk management, finance and insurance. It also includes a new focused set of professional learning outcomes aligned with the needs of the ever-evolving insurance industry, while keeping the core technical learning outcomes in place. These guide students' development of professional competencies through coursework, independent projects and opportunities outside of the classroom, while remaining firmly based on a strong foundation of scholarly technical work in actuarial science.

Actuaries must pass a series of intensive professional exams to become credentialed. Program graduates are prepared for the examinations required to become credentialed professionals by the Society of Actuaries or Casualty Actuarial Society and to be competitive employees in the insurance and finance industries.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Actuarial Science, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including an applied project (ACT 593).

Required Core (6 credit hours)

ACT 560 Advanced Data Analytics in Insurance I (3)

ACT 561 Advanced Data analytics in Insurance II (3)

Electives or Research (21 credit hours)

Culminating Experience (3 credit hours)

ACT 593 Applied Project (3)

Additional Curriculum Information

For electives and research, students select seven courses from an approved list. Students should see the academic unit for the approved course list. Other courses may be used with approval of the academic unit.

Only six credit hours of 400-level coursework is allowed on the plan of study per Graduate College policy.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as mathematics, statistics, business, economics and predictive analytics.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- GRE scores
- two letters of recommendation
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants should have completed the following courses with a "B" or better (scale is 4.00 = "A"). ASU equivalents are given in parenthesis.

Courses may be substituted with approval of the academic unit:

Linear Algebra (MAT 342 or MAT 343)

Calculus Sequence 1-3 (MAT 270, 271, and MAT 272)

Applied Statistics (STP 420)

Advanced Calculus (MAT 370 or MAT 371)

**Career Opportunities:**

Risk is a part of daily life and wherever there is risk, there are opportunities for actuarial intervention. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health and to ensure organizations conform to stringent, complex legal mandates. Others help companies to establish retirement plans or are employed as consultants.

Graduates possess skills that are transferable to any industry and any organization that requires risk modeling and management, including:

- colleges and universities
- consulting firms
- energy, such as utilities, oil and gas
- environment (on issues such as climate change and the financial impact or risk of extreme events)
- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor and Medicare (to manage social programs and to develop regulations and legislation)
- insurance companies
- retirement and pensions
- transportation, such as shipping and air travel

Graduates can also apply the advanced problem-solving skills to a variety of other professional careers, including:

- analysts
- business operations specialists
- consultants
- teachers

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences

<https://math.asu.edu/degrees/graduate/actuarial-science-ms>  
WXLR A216  
grad.math@asu.edu  
480-965-3951

## Addiction and Substance-Use Related Disorders (certificate), Certificate (LAASRDGRCT)

**Online Degree Search Title:** Addiction and Substance-Use Related Disorders (Graduate Certificate)

**Campus:** Online

### Program Description:

Addiction and substance abuse is one of America's top public health problems, and there is a growing need for well-trained addictions counselors.

The graduate certificate in addiction and substance-use related disorders pairs state-of-the-art research by internationally recognized experts in addictions with clinical expertise of licensed psychologists and licensed substance abuse counselors who have decades of experience providing substance abuse treatment.

This program is valuable for those in counseling, social work, psychology, medicine and various fields of therapy who provide services to individuals and families suffering from addiction and substance use disorders.

The addiction certificate meets all the curricular requirements of the Arizona State Board of Behavioral Health Examiners for licensure in substance abuse counseling as well as most national and state certification requirements.

### Degree Requirements:

21 credit hours.

Required Core (18 credit hours)

PSY 570 Psychopharmacology (3)

PSY 601 Addiction and Substance Abuse: Assessment and Diagnosis (3)

PSY 602 Comorbidity in Substance Use Related Problems (3)

PSY 603 Evidence-Based Interventions for Substance Use Related Problems (3)

PSY 604 Multicultural Issues Related to Substance Use Related Problems (3)

PSY 605 Group Therapy for Substance Use-Related Problems (3)

Other Requirements (3)

PSY 591 Topic: Ethics (3)

Additional Curriculum Information

This graduate certificate meets all seven of the core content curricular requirements for the Arizona State Board of Behavioral Health Examiners, for students interested in pursuing licensure in substance abuse counseling. In addition, the course is in compliance with national certification curriculum guidelines.

PSY 591 can be substituted with approval of the academic unit.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health, behavioral health or counseling-related field, from a regionally accredited institution or an equivalent degree from an international institution that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- curriculum vitae or resume
- one letter or recommendation
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/addiction-and-substance-use-related-disorders-graduate/>)

**Career Opportunities:**

Substance abuse counselor jobs can be incredibly rewarding and offer a wide variety of experiences. Jobs are available in substance abuse treatment centers; community mental health agencies; the primary care, integrated health and criminal justice fields; hospitals; schools and universities; and military and veteran's affairs. The U.S. Bureau of Labor Statistics expects employment of substance abuse counselors to grow 22% from 2018 to 2028, much faster than other occupations. Job prospects are expected to be very good for counselors who are licensed.

Career examples include:

- addiction counselor
- licensed addiction counselor
- licensed substance abuse counselor
- substance abuse counselor
- substance abuse technician

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/>  
PSY 230  
addictioncert@asu.edu  
480-965-7598

## African Studies (certificate), Certificate (LAAFRICACE)

**Online Degree Search Title:** African Studies (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate program in African studies focuses on interdisciplinary study of the peoples, history and cultures of Africa and the multifaceted experiences of people of African descent in Europe and the Americas. Students gain access to an extensive range of information and systematic knowledge committed to the new model of African and African diaspora studies that focuses on the intersections of race, culture and gender with transdisciplinary perspectives.

Courses examine interdisciplinary approaches to studying race, ethnicity, social justice, gender, citizenship and economic development. Students study issues in African and African American history, migration patterns, art, literature, religion, family life and education, as well as how race and institutional racism have impacted the development of African descended people in America and around the world.

As this certificate program offers students an international dimension to the study of peoples and cultures of African descent, students enhance their knowledge about global issues and further expand their research pursuits. This certificate program characterizes the faculty members' intellectual and research strengths and the curriculum's transdisciplinary strategies and research approaches that highlight the continuities and disjuncture of history and experiences throughout Africa and the diaspora.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

AFR 502 Africa and African Diaspora World (3)

Electives (12 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students who are not regularly admitted to a graduate degree program may still pursue the certificate.



Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program. When applicable, applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in a master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Admission Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Official copies of transcripts must be submitted from all college and universities where the applicant earned a bachelor's or master's degree.

### **Career Opportunities:**

Students who earn a graduate certificate in African studies have many career opportunities, including being able to:

- attend graduate school in any number of disciplines, including anthropology, archeology, history, political science, psychology and sociology
- attend medical school or law school
- pursue a career in journalism, teaching, law enforcement, social policy, human rights or civil rights
- start their own business
- write novels or screen plays

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/node/315>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## **American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)**

**Online Degree Search Title:** American Indian Studies (Cultural Resource Revitalization and Sust), MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### **Program Description:**

The MS program in American Indian studies is a transdisciplinary program that results in students having an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge.

Students acquire problem-solving skills useful in a range of professional arenas, including government, private and nonprofit agencies. The focus of this curriculum is on languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies paradigm perspective. Delivery is mainly through in-person courses.

The cultural resource revitalization and sustainability concentration explores the development and implementation of American Indian-focused cultural resource management processes and analyzes how policies and laws can improve or hinder the protection of American Indian cultural and funerary patrimony.

### **Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)

AIS 501 American Indian Studies Paradigms (3)

AIS 502 American Indian Studies Research Methods (3)

AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)

AIS 580 Practicum (6) or

AIS 599 Thesis (6)

Additional Curriculum Information

Students may select a thesis or nonthesis option. Thesis students are involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

#### **Career Opportunities:**

After leaving ASU, many graduates:

- conduct research related to indigenous culture revitalization
- direct or manage Indigenous culture organizations or companies
- facilitate indigenous community partnerships and projects

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
American Indian Studies Program

<https://americanindian.asu.edu/>

DISCOVERY 356

[aisgradadvising@asu.edu](mailto:aisgradadvising@asu.edu)

480-965-3634

## **American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)**

**Online Degree Search Title:** American Indian Studies (Indigenous Rights and Social Justice), MS

**Campus:** Tempe

#### **Program Description:**

The MS in American Indian studies is a transdisciplinary program that provides students with an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students acquire problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies.

The program focuses on languages, cultures, the arts, activism, histories, legal policies and education from an American Indian studies paradigm

and perspective. Delivery is through in-person courses.

The Indigenous rights and social justice concentration explores the historical dimensions of colonization on American Indian political, economic and cultural institutions. Students analyze the legal, political and social implications of American Indian relationships with federal, state and local governments and investigate processes that American Indian nations and community members use to strategize and work toward social justice and Indigenous rights.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

American Indian Studies, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)

AIS 501 American Indian Studies Paradigms (3)

AIS 502 American Indian Studies Research Methods (3)

AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)

AIS 580 Practicum (6) or

AIS 599 Thesis (6)

Additional Curriculum Information

Students may select a thesis or nonthesis option. Thesis students are involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

**Career Opportunities:**

After leaving ASU, many graduates:

- conduct academic research related to social justice and Indigenous rights
- direct or manage Indigenous companies, organizations or nonprofits

- facilitate Indigenous partnerships and projects
- work within Native tribes to analyze social justice and Indigenous rights

**Contact Information:**

Liberal Arts and Sciences, The College of  
 American Indian Studies Program  
<https://americanindian.asu.edu/>  
 DISCOVERY 356  
 aisgradadvising@asu.edu  
 480-965-3634

**American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)**

**Online Degree Search Title:** American Indian Studies (Tribal Leadership and Governance), MS

**Campus:** Tempe

**Program Description:**

The MS in American Indian studies is a transdisciplinary program that provides students with an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students acquire problem-solving skills useful in a range of professional arenas, including governmental, private and nonprofit agencies.

The program focuses on languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies paradigm and perspective. Delivery is through in-person courses.

The tribal leadership and governance concentration explores traditional and modern concepts of Indian education leadership, tribal government leadership, tribal governments, decision-making and legislation, constitutional reform, planning, economic development, community development, nation rebuilding, tribal courts, administration and planning.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Public Administration - Downtown Phoenix, MPA

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

American Indian Studies, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)

AIS 501 American Indian Studies Paradigms (3)

AIS 502 American Indian Studies Research Methods (3)

AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)

AIS 580 Practicum (6) or

AIS 599 Thesis (6)

**Additional Curriculum Information**

Students may select a thesis or nonthesis option. Thesis students are involved in a major research project under the direction of their faculty

advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

**Career Opportunities:**

After leaving ASU, many graduates:

- conduct academic research
- participate in tribal leadership and government
- direct or manage performing Indigenous companies or Native-related organizations
- facilitate Indigenous community partnerships and projects

**Contact Information:**

Liberal Arts and Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>  
DISCOVERY 356  
[aisgradadvising@asu.edu](mailto:aisgradadvising@asu.edu)  
480-965-3634

## American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)

**Online Degree Search Title:** American Indian Studies (Visual and Oral Culture), MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The MS program in American Indian studies is a transdisciplinary program that results in students having an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge.

Students gain problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies. The program focuses on the languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies perspective. Delivery is through in-person courses.

The visual and oral culture concentration explores and contributes to American Indian culture and history as it exists in visual, material and written forms through creative writing, literature, poetry, film, photography, performing arts, digital arts, oral tradition, history and communication from an American Indian studies paradigm.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)

AIS 501 American Indian Studies Paradigms (3)

AIS 502 American Indian Studies Research Methods (3)

AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)

AIS 580 Practicum (6) or

AIS 599 Thesis (6)

Additional Curriculum Information

For concentration and electives options, students should see the academic unit for approved courses.

Students select a thesis or nonthesis option. Both are research projects, but the applied project is more applied in nature. Thesis students are involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students complete a practicum project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial-level position within an organization or agency.

The required core classes emphasize the knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, Indigenous rights and social justice, cultural resource revitalization, and sustainability or tribal leadership and governance.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

#### **Career Opportunities:**

After leaving ASU, many graduates:

- conduct academic research
- curate and produce Indigenous festivals and events
- direct or manage Indigenous art companies, studios or dance-related organizations
- facilitate community partnerships and projects with Indigenous communities

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>  
DISCOVERY 356  
[aisgradadvising@asu.edu](mailto:aisgradadvising@asu.edu)

## American Studies, MA (LAAMSTMA)

**Online Degree Search Title:** American Studies, MA

**Campus:** Tempe

### Program Description:

ASU's MA program in American studies trains students in interdisciplinary approaches aimed at understanding the American experience in local and global contexts.

The array of disciplines spans the arts, humanities and social sciences, and faculty expertise covers a broad range of ethnographic, historical, literary and media studies as well as interdisciplinary and community-based approaches. Given its geographical location in the American Southwest, ASU's American studies program values an exploration of diasporic and transnational influences in U.S. cultures and social and political history.

The American studies faculty have strengths and expertise in the areas of critical ethnic studies, Indigenous studies, gender studies, Black studies, immigration studies, justice studies, disability studies, queer studies, Latino studies, transborder studies, Asian American studies, cultural studies, environmental humanities and sports studies, allowing students to focus their education around these areas.

Students gain expertise from working in a community of scholars dedicated to addressing critical questions of what America means, what American studies uncovers, and how to expand the boundaries of the new American conversation. Graduate students are immersed in conversations of how one develops, conducts and engages in research on the American experience in academia and beyond. Additionally, faculty and students include the role of other nations, cultures and communities in their study of the meaning of America and critically evaluate the United States in global matters.

American studies graduates can bridge a strong theoretical foundation with applied research to better equip them to enter national and international dialogues.

### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AMS 593).

Required Core (3 credit hours)

AMS 502 American Studies: Theory and Method (3)

Electives or Research (21 - 24 credit hours)

Culminating Experience (3 or 6 credit hours)

AMS 593 Applied Project (3) or

AMS 599 Thesis (6)

Additional Curriculum Information

For electives or research, students should see the academic unit for the approved course list. Students choose 21 credit hours for the thesis option or 24 for the applied project option.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- writing sample
- curriculum vitae
- two letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The history program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

The writing sample may be an article, published or unpublished; a research paper; a seminar paper; or any other extended sample of expository skill. A minimum of 4,000 to 5,000 words is required. The document should not be password protected.

The statement of purpose should be addressed to the American Studies Graduate Studies Committee. It must explain the applicant's scholarly background and training, career goals, the area of study the applicant wishes to pursue, and why the applicant wants to pursue graduate study at ASU. It must be about 500 words in length.

Two references are required. Applicants should contact faculty or professional supervisors they intend to use for references prior to listing them on the application and inform the intended recommenders that they will be receiving an email from the ASU American studies program asking them to complete a questionnaire and provide comments on the applicant's suitability for graduate study. Updated email addresses for references should be confirmed before submitting them on the application. References from family members or relations are not recommended.

#### Career Opportunities:

Graduates may go on to law school, graduate school or other professional degree programs. Graduates of the Master of Arts program in American studies find success in a number of areas, in local and international contexts, including the following:

- business.
- communications
- education
- government positions
- journalism
- law and medical fields
- nonprofits
- political consulting
- professional writing
- public engagement and community relations

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degrees/grad>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## Animal Behavior, PHD (LAANBPHD)

**Online Degree Search Title:** Animal Behavior, PhD

**Campus:** Tempe

#### Program Description:

The PhD program in animal behavior is a transdisciplinary graduate degree program that provides doctoral-level training in mechanistic and functional approaches to understanding behavior in a variety of animal taxa.

The study of behavior is at the interface of several scientific disciplines, including physiology, anatomy, neuroscience, ecology and evolution. This program offers the diverse but specialized array of skills and knowledge needed to produce excellent research in animal behavior.

Students gain knowledge and skills with applied scientific value in areas such as veterinary science and mental and behavioral health in humans. The ecological focus of the program feeds into local, state and global priorities in biological conservation and ecosystem sustainability.

#### Degree Requirements:

84 credit hours, a oral and written exam, a prospectus and a dissertation.

Required Core (8 credit hours)

ANB 601 Research Strategies in Animal Behavior (4)

ANB 602 Current Issues in Animal Behavior (4)

Electives or Research (64 credit hours)



The department and the student's advisor determine these courses in conjunction with the student.

Culminating Experience (12 credit hours)  
dissertation (12)

Additional Curriculum Information

Core courses ANB 601 and ANB 602 are one credit hour courses, each taken four times.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admissions application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

A doctorate in animal behavior provides strong preparation for academic careers at every level, from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies responsible for wildlife management and conservation, and for conservation-related careers in nongovernmental organizations.

Career examples include:

- animal scientist
- biology professor
- conservation biologist
- postsecondary biology teacher
- wildlife biologist

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/animal-behavior-phd>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

## Anthropology, PHD (LAANTHRPHD)

**Online Degree Search Title:** Anthropology, PhD

**Campus:** Tempe

**Program Description:**

The School of Human Evolution and Social Change is an excellent choice for students interested in pursuing a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology

- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study in order to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but also to finding solutions to humankind's greatest challenges. This degree program provides training in data analysis and research design within the context of human evolution, archaeology and the wider field of anthropology. Through anthropological coursework, students learn how to ask important questions about the human species and employ statistics to analyze and extract meaning from data. Students will learn to appreciate both their place in nature and the long history of human societal change that brought them to where they are today.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hours required for the doctorate. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Undergraduate coursework in anthropology is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants also may submit with their application materials an optional scholarly writing sample not to exceed 30 double-spaced pages.

**Career Opportunities:**

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- teaching

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/anthropology-phd>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)

**Online Degree Search Title:** Anthropology (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

**Program Description:**

The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology: archaeology, bioarchaeology, evolutionary anthropology, and sociocultural anthropology.

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines; these include applied mathematics, chemistry, environmental economics, epidemiology, formal modeling, genetics, sociology, sustainability, technology and society, and urban planning.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but to finding solutions to humankind's greatest challenges.

This degree program provides training in data analysis and research design within the context of human evolution, archaeology and the wider field of anthropology. In this program, through anthropological coursework, students learn how to ask important questions about the human species and employ statistics to analyze and extract meaning from data. Students learn to appreciate their place in nature and the long history of human societal change that brought them to where they are today.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree program. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctoral degree

program.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, 12 credit hours are selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study and they typically have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Undergraduate coursework in anthropology is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

#### **Career Opportunities:**

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- teaching

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/anthropology-phd/cass>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## **Anthropology (Urbanism), PHD (LAURBPHD)**

**Online Degree Search Title:** Anthropology (Urbanism), PhD

Academic Catalog Archive 2021-2022

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology:

- archaeology
- bioarcheology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines when exploring specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental
- economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but to finding solutions to humankind's greatest challenges. The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students are able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

This degree program provides training in data analysis and research design within the context of human evolution, archaeology and the wider field of anthropology. In this program, through anthropological coursework, students learn how to ask important questions about the human species and employ statistics to analyze and extract meaning from data. Students learn to appreciate their place in nature and the long history of human societal change that brought them to where they are today.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in urbanism, 15 credit hours are selected from an approved list of applicable courses related to urbanism. These courses include the core urbanism course, GCU 516, as well as one course from each of the four urbanism clusters. These clusters are:

- built form
- culture and society
- institutions and governance
- natural environment

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Undergraduate coursework in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants may include with their application materials an optional scholarly writing sample, not to exceed 30 double-spaced pages.

### **Career Opportunities:**

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- teaching

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## **Applied Behavior Analysis, MS (LAAPBAMS)**

**Online Degree Search Title:** Applied Behavior Analysis, MS

**Campus:** Tempe

### **Program Description:**

Offered by the Department of Psychology, this MS program in applied behavior analysis is a full-time, scientifically based, two-year program that meets the Behavior Analyst Certification Board fifth-edition task list for coursework with 345 classroom hours and 2,000 hours of supervised practicum fieldwork.

Successful graduates are able to sit for BACB certification and once certified, are eligible for state-licensure. The program's learning outcomes include mastery across three major areas as identified by the certification board: basic behavior-analytic skills, client-centered responsibilities and foundational knowledge.

Applied behavior analysis training in the Department of Psychology at ASU includes supervised experience and instruction in:

- behavior analytic attitudes such as determinism, empiricism and parsimony
- fundamental elements of behavior change and behavior change procedures
- identification, assessments and interventions for behavioral excesses, deficiencies and challenging behavior
- professional ethics and conduct of applied behavior analysis
- training others in the science and practice of ABA
- use of different behavioral measurement types and systems
- use of experimental designs to determine relationships among and between measurement, relevant variables and behavior

**Degree Requirements:**

42 credit hours including the required applied project course (PSB 593).

Required Core (24 credit hours)

PSB 501 Basic Principles of Applied Behavior Analysis (3)

PSB 510 Basic Principles of Experimental Analysis of Behavior (2)

PSB 511 Advanced Research Methods (2)

PSB 520 Ethical Issues and Professional Standards in Applied Behavior Analysis (3)

PSB 530 Behavioral Observation and Functional Assessment (3)

PSB 540 Development of Applied Behavioral Intervention Programs (3)

PSB 563 Basic Principles of Organizational Behavior Management (2)

PSB 573 Advanced Principles of Learning and Analysis of Behavior (3)

PSB 578 Applied Behavior Analysis in Developmental Disorders (3)

Electives or Research (4 credit hours)

PSB 591 Seminar (2)

PSB 598 Special Topics (2)

Other Requirements (9 credit hours)

PSB 580 Practicum: Applied Behavior Analysis (4)

PSB 583 Fieldwork: Applied Behavior Analysis (5)

Culminating Experience (5 credit hours)

PSB 593 Applied Project (5)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in psychology, human development, sociology or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose form
- curriculum vitae or resume
- GRE scores
- SlideRoom application
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The application is completed online through ASU's Graduate Admission Services website. Applicants should upload their unofficial transcripts to the application before submitting.

Applicants will also upload supporting documents, including reference contact information, into a system called SlideRoom. Complete details located on the department's website.

It is strongly recommended that applicants download and print the Master of Science in applied behavioral analysis admission checklist from the Department of Psychology website to ensure completion of the application process and inclusion of all the required supplemental forms.

The statement of purpose form should describe professional and academic aspirations.

Applicants must submit two letters of recommendation from professionals or faculty who can speak to the applicant's abilities.

#### **Career Opportunities:**

Professionals with a Master of Science in applied behavior analysis are positioned to be highly sought after in the human services sector. With an evidence-based practice orientation, Board Certified Behavior Analysts are charged with assessment of socially significant behaviors and developing interventions to promote adaptive, flexible behavior and provide alternative responses to challenging behavior. The domains into which graduates of the program go are vast. Below is a list of some potential careers:

- assistant clinical director
- behavior specialist
- Board Certified Behavior Analyst
- clinical director

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/master-science-applied-behavior-analysis>  
PSY 243  
msabapsych@asu.edu  
480-727-5030

## **Applied Linguistics, PHD (EDAPLPHD)**

**Online Degree Search Title:** Applied Linguistics, PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### **Program Description:**

Applied linguistics combines research topics in the linguistics sciences and education to pursue principled approaches to language-related concerns. The PhD program in applied linguistics is focused on simultaneous and developmental bilingualism in children and adolescents.

Faculty participate in the program from within multiple curricular units across the institution's four campuses. The program encourages transdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for entrance into the field as teachers, scholars and professionals.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Foundation Coursework (18 credit hours)

Overview of the Field: A three-credit course providing a survey of the field of applied linguistics is required. (3)

Linguistics: Coursework in theoretical linguistics, including one approved linguistics elective, is required. (15)

Teaching Internship (1 credit hour)

Colloquia (8 credit hours)

A four-semester sequence of two-credit colloquium meetings is required for students in the first two years.

Research Methods (6 credit hours)

Students must take two courses in research methods, selected in consultation with the advisor.

Research Specialization (33 credit hours)

In consultation with the program director, students take 11 three-credit courses in their field of specialization.

Breadth (6 credit hours)

Two courses in a secondary concentration area are required.



Dissertation (12 credit hours)

#### Additional Curriculum Information

An oral defense of the dissertation is required.

There must be a minimum of 54 credit hours beyond the master's degree level, including a minimum of 12 units of dissertation credit. All students in the program must satisfy 18 credit hours of foundation coursework.

Because applied linguistics is transdisciplinary in nature, applicants may differ from one another with regard to their prior experience and preparation. For instance, while some applicants may have substantial prior training in core theoretical linguistics (foundations), others may have considerable preparation in an area related to a supported concentration. Students should consult the program director for assistance in planning their degree programs. The program director may address potential redundancies in a student's program requirements with prior academic preparation by allocating a maximum of 30 credit hours from an awarded and approved graduate degree toward the applied linguistics program requirements, or the director may permit the student to take additional elective courses in lieu of introductory courses covered in an undergraduate program.

**Language Requirement:** Students in the applied linguistics doctoral program must demonstrate proficiency in a second language equivalent to two years of study. A language appropriate to the student's area of interest is selected in consultation with the advisor. The language requirement must be satisfied, by examination or coursework, prior to advancement to candidacy. Computer or other nonhuman languages may not be used to satisfy this requirement. Students for whom English is a second language may use their first language to satisfy the requirement by examination. Course credit used to satisfy the language requirement cannot be used to satisfy other program requirements and cannot be counted toward the total required 84 credit hours.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- GRE general test scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Department of English website for specific details about English proficiency requirements.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/node/242>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## **Applied Mathematics, PHD (LAAPMPHD)**

**Online Degree Search Title:** Applied Mathematics, PhD

**Campus:** Tempe

#### **Program Description:**

This PhD program in applied mathematics is intended for students with superior computational and mathematical modeling ability. It emphasizes a solid mathematical foundation and promotes creative scholarship in an application discipline. The School of Mathematical and Statistical Sciences

at Arizona State University has faculty in applied mathematics with outstanding transdisciplinary research programs with strong external funding.

Current research interests include mathematical epidemiology and mathematical ecology, mathematical neuroscience, environmental fluid dynamics and high performance computing, imaging and inverse problems, supply chain dynamics, control and optimization, computational methods for ordinary and partial differential equations, analysis of differential equations, and geophysical and environmental fluid dynamics.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

APM 505 Applied Linear Algebra (3)

Other Requirements (12 credit hours)

APM 501 Differential Equations I (3)

APM 502 Differential Equations II (3)

APM 503 Applied Analysis (3)

APM 504 Applied Probability and Stochastic Processes (3)

APM 506 Computational Methods (3)

Electives and Research (57 credit hours)

Culminating Experience (12 credit hours)

APM 799 Dissertation (12)

Additional Curriculum Information

Students must pass:

- two qualifying examinations
- a written comprehensive examination
- an oral dissertation prospectus defense.

Students should see the department website for examination information.

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

Electives are to be chosen from math or related area courses approved by the student's supervisory committee.

Students choose four out of the five courses listed for other requirements.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, applied mathematics, economics, engineering or a natural science from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Additional eligibility requirements include:

- be competitive in an applicant pool as evidenced by coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced

calculus (equivalent to ASU course MAT 371)

- have scientific programming skills (desirable)

### **Career Opportunities:**

Foundational knowledge in mathematics is required for building careers in science and technology. It can be applied in many different types of professions in fields like engineering, life sciences, business, and economic and social sciences. These are just a few of the top careers possible with a doctorate in applied mathematics:

- biostatistician
- data scientist
- engineer
- financial analyst
- government and military research
- industrial research
- mathematical modeling expert
- mathematician
- medical researcher
- operations research analyst
- university instructor and faculty

### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Mathematical and Statistical Sciences

<https://math.asu.edu/degrees/graduate/applied-mathematics-phd>

WXLR A216

grad.math@asu.edu

480-965-3951

## **Applied Mathematics for the Life & Social Sciences, PHD (LAAMPLPHD)**

**Online Degree Search Title:** Applied Mathematics for the Life and Social Sciences, PhD

**Campus:** Tempe

### **Program Description:**

The PhD program in applied mathematics for the life and social sciences focuses on the training needed for analyzing and more definitively answering questions about underlying patterns hidden within human health, behaviors and experiences, and for teaching others to do the same.

Under the transdisciplinary instruction of national experts from five different schools at Arizona State University, program participants learn new applications for tools such as agent-based models, evolutionary computing, geographical information systems, machine learning, multiobjective optimization nonlinear dynamical systems and stochastic processes. In doing so, they unlock new revelations and categories for not just understanding but for also practically managing or improving complex biological, ecological and social processes.

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

AML 610 Topics in Applied Mathematics for the Life and Social Sciences (3)

AML 612 Applied Mathematics for the Life and Social Sciences Modeling Seminar (3)

Other Requirements (15 credit hours)

ASM, AML or BIO: courses in evolution, ecology or social sciences (400 level or above) (3)\*

one graduate-level course in biostatistics (3)\*

one graduate-level School of Mathematical and Statistical Sciences course approved by graduate chair (3)

APM, AML, MAT 590 or 790 Reading and Conference (6)

\*Substitution courses may be acceptable with approval of director.

Electives (39 credit hours)

See the Additional Curriculum Information section below.

Research (12 credit hours)

AML 592 or 792 Research (12)

Culminating Experience (12 credit hours)

AML 799 Dissertation (12)

Additional Curriculum Information

Electives must include six credit hours of life science and six credit hours of social sciences.

Courses (beyond the 15 credit hour requirement) from the Other Requirements section may be used as electives.

Students must register for research credit (AML 592 or 792) supported by their participation in one of two summer programs, Mathematical and Theoretical Biology Institute or J. Bustoz Math-Science Honors Program, sponsored by the Simon A. Levin Mathematical, Computational and Modeling Sciences Center. Up to three credit hours of research per summer may be applied based on hours and level of participation with approval from the graduate chair and the summer program director.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives to reach the required 84 credit hours.

All students must maintain a 3.20 (scale is 4.00 = "A") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. A master's degree in the social sciences (e.g., anthropology, gender studies, geography, sociology), life sciences or related fields (e.g., biology, ecology, genomics), applied mathematics, mathematics or statistics is preferred.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants may submit an optional scholarly writing sample, not to exceed 30 double-spaced pages, to be included in their application materials.

Prior to admission, students should have completed, at the undergraduate junior or senior level, a minimum of the following:

- 15 credit hours of mathematics or statistics
- nine credit hours of life sciences and social sciences coursework at the senior or college graduate level
- no fewer than three credit hours each of life sciences and social sciences coursework

#### **Career Opportunities:**

The need for scientists and professionals quantitatively trained in the life and social sciences is strong in Arizona and the nation. This degree's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals.

Graduates are prepared to enter the environmental, life, health, mathematical and social science fields. They possess the quantitative, scientific and analytical skills that are critical for professionals working in these areas.

This program creates entirely new opportunities, while building upon mathematical foundations and in-demand career paths long established in fields such as:

- bioinformatics
- computational sciences

- ecology
- genomics
- data mining
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/applied-mathematics-life-and-social-sciences-phd>  
 SHESC 233  
 shesc.grad@asu.edu  
 480-965-6215

**Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)**

**Online Degree Search Title:** Applied Math for the Life and Social Sciences (Complex Adaptive Sys Science), PhD

**Campus:** Tempe

**Program Description:**

The PhD program in applied mathematics for the life and social sciences focuses on training researchers to analyze scientific questions at the intersection of the mathematical, life and social sciences. Graduates of the program make innovative and far-reaching scientific contributions that rely on the cutting-edge computational mathematical and modeling approaches.

This program focuses on producing quantitative scientists and applied mathematicians who conduct high-level transdisciplinary research. The program's faculty include mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University.

There is a high demand for first-rate scientists, researchers and faculty interested in meeting the challenges faced by communities in the 21st century. Institutional research and planning programs create space and opportunity to address such challenges on a global scale. The health, environmental and natural resource challenges in Arizona and the nation are urgently in need of a large pool of researchers with these transdisciplinary skills.

There are three tracks a student can follow. Applied mathematics is a more in-depth focus on the tools applied to the life and social sciences, such as dynamical systems, computational and numerical methods, simulation and mathematical analysis. Life sciences focuses on understanding the tools for representing the structure and operation of complex biological and ecological processes. Social sciences focuses on understanding the tools for representing the structure and operation of complex social systems and processes. By offering courses that enhance transdisciplinary exchanges and collaboration among the faculty and students interested in addressing questions of social relevance, the program builds upon foundations already established.

The complex adaptive systems science concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

AML 610 Topics in Applied Mathematics for the Life and Social Sciences (3)

AML 612 Applied Mathematics for the Life and Social Sciences Modeling Seminar (3)

Concentration Courses (6 credit hours)

ASM 570 Fundamentals of CAS Science (3) or BIO 570 Fundamentals of CAS Science (3)

Complex Adaptive Systems Science approaches class (3)

Restricted Electives (12 credit hours)

biostatistics course (3)  
numerical analysis course (3)  
life sciences and social sciences (6)

Electives (36 credit hours)

Research (12 credit hours)  
AML 592/792 Research (12)

Culminating Experience (12 credit hours)  
AML 799 Dissertation (12)

#### Additional Curriculum Information

Students should see the academic unit for a complete list of complex adaptive systems sciences approaches courses required for the concentration.

For required research, other XXX 592/792 Research courses may be substituted with academic unit approval.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives to reach the required 84 credit hours.

Students entering the program without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctoral program.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. A master's degree in the social sciences (e.g., anthropology, sociology, gender studies or geography), life sciences or related fields (e.g., biology, genomics or ecology), applied mathematics, mathematics or statistics is preferred.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants may submit an optional scholarly writing sample, not to exceed 30 double-spaced pages, to be included in their application materials.

Prior to admission, students should have completed at the undergraduate junior or senior level a minimum of the following:

- 15 credit hours of mathematics or statistics
- nine credit hours of life sciences and social sciences coursework at the senior or college graduate level
- no fewer than three credit hours each of life sciences and social sciences coursework

#### Career Opportunities:

The degree program in applied mathematics for the life and social sciences prepares students to enter the environmental, life, health, mathematical and social science fields. Graduates of the program possess the quantitative, scientific and analytical skills that are critical for professionals working in these areas.

The need for scientists and professionals quantitatively trained in the life and social sciences is strong in Arizona and the nation. This degree's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals in industries including:

- bioinformatics
- computational sciences
- ecology
- genomics
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science fields

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/applied-mathematics-life-and-social-sciences-phd/cass>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## Applied Prevention Science (Certificate), Certificate (LAAPSGRCT)

**Online Degree Search Title:** Applied Prevention Science (Graduate Certificate)

**Campus:**

**Program Description:**

This graduate certificate program provides foundational and theoretical knowledge necessary for employment in the field of mental illness prevention and health promotion.

The program offers five courses totaling 15 credits. Training is self-directed with one-on-one feedback from faculty. Specific training areas and assignments are highly relevant to job demands, including community-based program evaluation, evidence-based psychosocial interventions, prevention ethics including in diverse settings and with diverse populations, and community psychology, advocacy, and funding seeking for prevention programming initiations and sustainment.

**Degree Requirements:**

15 credit hours.

Required Core (15 credit hours)

- PSY 563 Prevention Planning and Evaluation in Service Settings (3)
- PSY 564 Prevention Education, Communication and Service Delivery (3)
- PSY 567 Prevention Organization and Community Change (3)
- PSY 569 Professional Ethics, Growth and Responsibility in Prevention (3)
- PSY 678 Preventive Psychosocial Interventions that Work (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or in any health, mental health, or counseling-related field, from a regionally accredited institution or an equivalent degree from an international institution that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa need first to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/applied-prevention-science-graduate-certificate/>)

**Career Opportunities:**

The certificate program in applied prevention science is valuable for those aspiring to work in fields that provide services to children and families in diverse settings such as schools, courts, community health centers and mental health agencies, child welfare, home visiting programs, foster care services and tribal behavioral health.

Career examples include:

- behavioral health specialist
- community and social service specialists
- community health worker
- prevention specialist

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/>  
PSY 162  
prevention@asu.edu  
480-727-7082

## Asian Languages and Civilizations (Chinese), MA (LACHINAMA)

**Online Degree Search Title:** Asian Languages/Civilizations (Chinese), MA

**Campus:** Tempe

**Program Description:**

The Chinese graduate program in the School of International Letters and Cultures offers an MA degree program with a focus in one of four areas: literature, linguistics, religion and culture; or pedagogy.

The focus on literature, linguistics, religion and culture provides disciplinary training that allows students to achieve in-depth command of spoken, aural and oral Mandarin Chinese as well as written literary Chinese. The four areas of instruction are designed to prepare students to succeed in Chinese language environments with cultural competence. Any of these four areas also introduce students to the fundamentals of Sinology and East Asian studies, which can prepare them for further scholarly, educational and professional pursuits.

The pedagogy focus is intended for students whose major interest is in teaching modern Chinese in K-16 environments. Students are trained in communicative and task-based language teaching approaches embedded within appropriate cultural contexts, as well as developing solid foundations in teaching Chinese literacy, pronunciation and linguistic systems.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (CHI 593).

Required Core (3 credit hours)

CHI 501/JPN 501 Proseminar: East Asian Humanities (3)

Concentration (3 credit hours)

SLC 596 Second Language Methodologies (3)

Electives (15 credit hours)

Other Requirements (3 credit hours)

CHI 598 Topic: History of the Chinese Language (3)



Culminating Experience (6 credit hours)  
CHI 593 Applied Project (6) or  
CHI 599 Thesis (6)

#### Additional Curriculum Information

The Master of Arts in Asian languages and civilizations has concentrations in Chinese and Japanese. Students in the Chinese concentration take CHI 501 as required core and students in the Japanese concentration take JPN 501 for core. The course is cross-listed.

Electives are selected in consultation with the program chairperson.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Chinese or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The writing sample should represent the applicant's thinking and writing skills on a topic connected with Chinese culture.

Candidates for the master's degree should present the equivalent of an undergraduate major in Chinese upon entrance to the program. Those who lack this background but show strong potential and meet the Graduate College admission requirements, including those with regard to English proficiency, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

#### Career Opportunities:

Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sectors such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- foreign language and literature teachers and professors
- foreign service
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers
- state department
- supply chain managers

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/ALC-MA>  
EDB L1-13

## Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)

**Online Degree Search Title:** Asian Languages/Civilizations (Japanese), MA

**Campus:** Tempe

### Program Description:

The Asian languages faculty in the School of International Letters and Cultures offer a graduate program leading to an MA in Asian languages and civilizations with a concentration in Japanese.

ASU's Japanese MA program allows students to pursue their interests in Japanese history, literature and culture through advanced training in modern and classical Japanese, and through in-depth study of specific historical and cultural periods. The training equips students with the skills to do original research in primary sources and with the critical and methodological background to understand their chosen fields. Areas of particular faculty strength include early modern and modern literature; film, animation and popular culture; translation studies; modern history; Japan's warrior cultures; and transnational studies, especially Sino-Japanese literary and cultural relations and kanshibun genres.

### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (JPN 593).

Required Core (3 credit hours)

CHI 501/JPN 501 Proseminar: East Asian Humanities (3)

Concentration (3 credit hours)

JPN 586 History of Japanology (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)

JPN 593 Applied Project (6) or

JPN 599 Thesis (6)

Additional Curriculum Information

The MA in Asian languages and civilizations has concentrations in Chinese and Japanese. Students in the Chinese concentration take CHI 501 as required core and students in the Japanese concentration take JPN 501 for core. The course is cross-listed.

Electives are selected in consultation with the program chairperson.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in Japanese or a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The writing sample should represent the applicant's thinking and writing skills on a topic connected with Japanese culture. The personal statement should highlight the applicant's motivations and skills and indicate why they are interested in the Japanese graduate program. Candidates for the program should present the equivalent of an undergraduate major in Japanese upon entrance to the program. Those who lack this background but

who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a conditional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

Students should see the School of International Letters and Cultures website for more information.

#### **Career Opportunities:**

Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic, and cultural studies teachers, postsecondary
- foreign language and literature teachers, postsecondary
- foreign service
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers
- state department
- supply chain managers

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/ALC-Japanese-MA>  
EDB L1-13  
silc@asu.edu  
480-965-6281

## **Asian Studies (certificate), Certificate (LAASIANCE)**

**Online Degree Search Title:** Asian Studies (Graduate Certificate)

**Campus:** Tempe

#### **Program Description:**

The graduate certificate in Asian studies offers graduate students a transdisciplinary specialization in Asian language and area studies.

The certificate program is available in two tracks. The East Asia track includes China, Japan and Korea, and the Southeast Asia track includes Burma, Laos, Thailand, Vietnam, Malaysia, Singapore, Indonesia, the Philippines, Brunei and Timor Leste.

#### **Degree Requirements:**

18 credit hours.

Required Core (6 credit hours)

two courses at the 500 level or above dealing with Asian content from a single discipline

Electives (6 credit hours)

two courses at the 500 level or above dealing with Asian content from a discipline other than that chosen for the core courses

Other Requirements (6 credit hours)

language proficiency requirement: two courses at the 400 level or above in one Asian language (Chinese, Indonesian, Japanese, Korean, Thai, Vietnamese)

Additional Curricular Information

Students work closely with a faculty advisor from the Center for Asian Research to develop a cohesive curriculum tailored to their individual goals and interests.

Some of the coursework from the discipline in which the student is earning a graduate degree may be used to satisfy these requirements.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Graduate students currently enrolled in any discipline may pursue a certificate in Asian studies in conjunction with their degree program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. For more information, students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

### **Career Opportunities:**

The graduate certificate program in Asian studies provides students with training and knowledge relevant to careers in government, nongovernmental organizations, nonprofit organizations, global relationships, intercultural understanding, Foreign Service, researchers, professional writing and community college teaching.

Career examples include:

- teacher or instructor
- cultural center associate
- language interpreter
- historical society and exhibit curator

### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/certificate/certificate-asian-studies>  
COOR 6613  
asia@asu.edu  
480-727-0968

## **Astrophysics, PHD (LAASTPHPHD)**

**Online Degree Search Title:** Astrophysics, PhD

**Campus:** Tempe

### **Program Description:**

The PhD program in astrophysics is designed to develop creative scholarship and prepare students for professional careers in astrophysics, astronomy or related fields.

Students in this program take graduate-level courses in stars and interstellar media, galaxies, and cosmology; obtain quantitative skills through analysis and modelling; may have observing opportunities through regional and international telescope observatories; and conduct independent, fundamental, astrophysical research. Graduate students work closely with a research advisor on a wide range of topics including theoretical physics, cosmology, galaxy dynamics, stellar evolution, exoplanets, and developing and building instrumentation. Graduate students in astrophysics become leaders in observational and theoretical research; they participate in NASA- and NSF-funded space missions and study topics such as how stars are born and die, how galaxies interact and evolve, and how the universe changed as it developed from its earliest beginnings.

The program's world-class faculty have research expertise across the full breadth of astrophysics including the solar system, stars and galaxies from the Milky Way to the most distant galaxies in the universe. Current ASU research applies both computational and observational approaches to the exploration of a range of topics such as fundamental cosmology and whether there is life on exoplanets.

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (51 credit hours)

Other Requirements (20 credit hours)\*

AST 521 Stars and Interstellar Medium I (3)

AST 522 Stars and Interstellar Medium II (3)

AST 523 Stars and Interstellar Medium III (3)

AST 531 Galaxies and Cosmology I (3)

AST 532 Galaxies and Cosmology II (3)

AST 533 Galaxies and Cosmology III (3)

AST 591 Seminar: Astrophysics (1)

SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree.

\*Substitutions for Other Requirements may be made per departmental approval.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants should see the program website for application deadlines.

#### **Career Opportunities:**

Professionals with expertise in astrophysics are in high demand across all sectors and industries, including remote sensing, data science, instrument building, computational science, defense industries and scientific research. Coding and numerical modeling skills translate across many domains, even beyond astrophysics. Skills in the measurement and analysis of data related to the physics, chemistry, structure of the universe and exoplanetary systems are valuable to businesses and institutions relying on data-driven strategies to explore beyond the Earth and solar system.

The doctoral degree in astrophysics is required for some careers in post-secondary education and research.

Career examples include:

- astrophysics professor
- data scientist
- instrument builder
- project manager
- research astronomer

- telescope operator

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate/astrophysics-phd>  
ISTB4 795  
sese-prospectivegrads@asu.edu  
480-965-5081

## Astrophysics and Astronomy, MS (LAASTPHMS)

**Online Degree Search Title:** Astrophysics and Astronomy, MS

**Campus:** Tempe

**Program Description:**

This MS program provides fundamental graduate training in astrophysics and astronomy. Students take graduate-level courses in stars and interstellar media, galaxies, and cosmology; obtain quantitative skills through analysis and modelling, and may have observation opportunities through regional and international telescope observatories.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (3 credit hours)

Other Requirements (20 credit hours)

AST 521 Stars and Interstellar Medium I (3)

AST 522 Stars and Interstellar Medium II (3)

AST 523 Stars and Interstellar Medium III (3)

AST 531 Galaxies and Cosmology I (3)

AST 532 Galaxies and Cosmology II (3)

AST 533 Galaxies and Cosmology III (3)

AST 591 Seminar: Astrophysics (1)

SES 501 SESE Colloquium (1)

Culminating Experience (6 credit hours)

SES 599 Thesis (6)

Additional Curricular Information

For other requirement courses, substitutions may be made per department approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students should see the program website for application deadlines.

**Career Opportunities:**

Professionals with expertise in astrophysics and astronomy are in high demand across all sectors and industries, including remote sensing, data science, building instruments, and scientific research. Coding and numerical modeling skills translate across many domains, even beyond astrophysics. Skills in the measurement and analysis of data related to the physics, chemistry, and structure of the universe and exoplanetary systems are valuable to businesses and institutions relying on data-driven strategies to explore beyond the Earth and solar system.

This degree prepares candidates for further graduate study or for careers in related fields such as scientific staff positions at government laboratories, teaching at the community college level and technical positions in industry. Career examples include:

- research astronomer
- telescope operator
- data scientist

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate/astrophysics-astronomy-ms>  
ISTB4 795  
sese-prospectivegrads@asu.edu  
480-965-5081

## Atmospheric Science (certificate), Certificate (LAATMOSCE)

**Online Degree Search Title:** Atmospheric Science (Graduate Certificate)

**Campus:** Tempe

This program is not currently accepting applications.

**Program Description:**

The transdisciplinary certificate in atmospheric science is administered by an executive committee composed of faculty from the Ira A. Fulton Schools of Engineering and The College of Liberal Arts and Sciences. The objective of this program is to recognize Arizona State University graduate students who complete a dissertation on a topic related to the atmospheric or oceanic sciences under the supervision of a faculty member from one of the cooperating departments.

**Degree Requirements:**

16 credit hours.

A minimum of 16 credit hours is required in order to qualify for the atmospheric science certificate, consisting of:

- three 3 credit hour courses from a list of courses in the core disciplines (9)
- two 3 credit hour courses from a list of electives at the 400 level or above (6)
- a capstone seminar (1)

Considering the diversity of courses and in order to ensure a transdisciplinary flavor, all prospective recipients have the certificate program approved by the certificate executive committee. Certificates only are awarded to students who are enrolled in an MA, MS, MNS or PhD program at ASU. The student's thesis or dissertation must also be related to some aspect of atmospheric science.

The core courses are offered at least once every other year, so the certificate may be completed within two years.

Specific requirements are:

- approval by the certificate committee of the student's proposed course selection
- completion of one course from each of the core disciplines with a grade of "B" (3.00) or better
- completion of two courses from the list of electives with a grade of "B" (3.00) or better
- completion of the capstone seminar, which is one credit hour
- completion of a dissertation on a topic related to the atmospheric or oceanic sciences

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-certificates>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## **Biochemistry, MS (LABIOCHMS)**

**Online Degree Search Title:** Biochemistry, MS

**Campus:** Tempe

#### **Program Description:**

Students earning an MS degree in biochemistry in the School of Molecular Sciences are trained in the fundamental aspects of the discipline, but most also choose to learn by joining transdisciplinary teams that work on larger, mission-based contemporary problems in areas such as:

- biogeochemistry
- energy and sustainability
- fundamental chemical biology
- materials and nanoscience
- medicine and health
- structure function and dynamics

The master's degree program in biochemistry in the School of Molecular Sciences provides students with the training they need to solve biological problems at the molecular scale and to contribute to research in current challenging societal issues.

#### **Degree Requirements:**

30 credit hours and a thesis.

500-level or above courses as approved by the school (12)

BCH 501 or CHM 501 Seminar or other seminar course as approved by the school (4)

BCH 592 Research courses (8)

BCH 599 Thesis (6)

Additional Curricular Information

The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. A written thesis is required and must be successfully defended during a public final oral defense. Students must maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

A program fee in the amount of \$300 per semester is required in addition to the normal tuition costs.



**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry have opportunities in five general areas: industry (R&D, quality control, etc.), academia (high school and higher education), government (research, policy, etc.), nonprofit (policy, public education, etc.), and entrepreneurship (consulting, start-ups, etc.). In addition to specialized technical skills, graduates possess high-demand skills, like critical thinking, teamwork and collaboration, time management and many others.

Some career examples include:

- research and development scientist
- drug discovery scientist
- pharmacology scientist
- chemistry lecturer
- high school teacher
- government scientist
- science consultant

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers at

<https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html> (<https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html>).

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Molecular Sciences

<https://sms.asu.edu/degree/graduate/ms-biochemistry-ms>

PSD 102

[smsgard@asu.edu](mailto:smsgard@asu.edu)

480-965-4664

## Biochemistry, PHD (LABIOCHPHD)

**Online Degree Search Title:** Biochemistry, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in biochemistry through the School of Molecular Sciences provides students with the training they need to solve biological problems at the molecular scale and to be successful, independent scientists who can contribute to current challenging societal issues. Students earning a doctoral degree in biochemistry are fully trained in all fundamental aspects of the discipline. Most also choose to join transdisciplinary teams that work on larger, mission-based contemporary problems in areas such as:

- biogeochemistry
- energy and sustainability
- fundamental chemical biology
- materials and nanoscience
- medicine and health

- structure function and dynamics

Students should visit the prospective student site (<https://sms.asu.edu/graduate-study> (<https://sms.asu.edu/graduate-study>)) to learn more about this doctoral program and the graduate research page (<https://sms.asu.edu/graduate-study/research> (<https://sms.asu.edu/graduate-study/research>)) to learn more about the cutting-edge, transdisciplinary research being conducted in the School of Molecular Sciences.

The doctoral program in biochemistry prepares students for professional careers in industry, government and academia.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

six graduate-level courses (12-18)

enrollment in a BCH 501/CHM 501 seminar each semester (8)

BCH 792 Research (46-52)

BCH 799 Dissertation (12)

#### **Additional Curriculum Information**

The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense. Students must also maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

In addition to the admission application, applicants must complete an online supplemental application to the School of Molecular Sciences. The supplemental application is available 24 to 48 hours after submission of the admission application. The personal statement and contact information for the letters of recommendation are submitted as part of the supplemental application. Information about the supplemental application can be found on the department's website. Applications lacking a supplemental application are not reviewed.

#### **Career Opportunities:**

Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry have opportunities in five general areas: industry (R&D, quality control, etc.), academia (high school and higher education), government (research, policy, etc.), nonprofit (policy, public education, etc.), and entrepreneurship (consulting, start-ups, etc.). In addition to specialized technical skills, graduates possess high-demand skills like critical thinking, teamwork and collaboration, time management and many others.

Some career examples include:

- research and development scientist
- drug discovery scientist
- pharmacology scientist
- chemistry lecturer
- university professor
- government scientist
- research group leader
- science consultant

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers at <https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html> (<https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html>).

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu/degree/graduate/phd-biochemistry-phd>  
PSD 102  
smsgrad@asu.edu  
480-965-4664

## Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)

**Online Degree Search Title:** Biochemistry (Medicinal Chemistry), MS

**Campus:** Tempe

**Program Description:**

The faculty in the School of Molecular Sciences offer a program leading to the MS in biochemistry with a concentration in medicinal chemistry. This program is intended for students who plan to continue their educational training in pharmacy or medical school or in a related field and want to expand their background knowledge in biochemistry before beginning their professional education.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biochemistry, BS
- Biochemistry (Medicinal Chemistry), BS
- Chemistry, BS
- Molecular Biosciences and Biotechnology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project (research paper) course (CHM 593 or BCH 593).

A minimum of 30 credit hours are required, including coursework, seminars, research and an applied project consisting of a written research paper. Courses are selected by students in consultation with their supervisory committee based on the research area.

The Master of Science in biochemistry is awarded when the student has obtained a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in coursework, demonstrated quality performance in the laboratory and completion of the research project, completed and presented an approved research paper at an oral defense to the student's supervisory committee, and met all deadline dates and requirements set by the Graduate College.

A program fee in the amount of \$300 per semester is required in addition to the normal tuition.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants interested in pursuing the accelerated degree program should review the requirements and submit a pre-application found on the School of Molecular Sciences website prior to submitting a formal Graduate Admission Services application to the degree program.

### **Career Opportunities:**

Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry will have opportunities in five general areas: industry (R&D, quality control, etc.), academia (high school and higher education), government (research, policy, etc.), non-profit (policy, public education, etc.), and entrepreneurship (consulting, start-ups, etc.). In addition to specialized technical skills, graduates will possess high-demand skills like critical thinking, teamwork and collaboration, time management and many other vital skills.

Some career examples include:

- research and development scientist
- drug discovery scientist
- pharmacology scientist
- chemistry lecturer
- high school teacher
- pharmacist
- medical doctor (MD)
- veterinarian
- medical lab technician

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers at <https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html> (<https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html>).

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu/Graduate-Study/MedChem>  
PSD 102  
[smsggrad@asu.edu](mailto:smsggrad@asu.edu)  
480-965-4664

## **Biology, MS (LABIOMS)**

**Online Degree Search Title:** Biology, MS

**Campus:** Tempe

### **Program Description:**

This MS in biology is a flexible program based around a student's individual research interests, allowing students to explore areas of biology that thrive outside of traditional boundaries. This master's program is designed to prepare students for careers in teaching and research in educational, medical, industrial and governmental institutions.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Biomedical Sciences), BS
- Biological Sciences (Conservation Biology and Ecology), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Microbiology, BS
- Microbiology (Medical Microbiology), BS
- Molecular Biosciences and Biotechnology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours and a thesis.

Required Core (3 credit hours)

BIO 541 SOLS Seminar Series (1)

BIO 542 SOLS Current Topics in the Life Sciences (1)

BIO 610 Introduction to Responsible Conduct of Research (RCR) in Life Sciences (1) or BIO 611 Current Topics in Responsible Conduct of Research (RCR) in the Life Sciences (1)

Electives (21-27 credit hours)

Culminating Experience (0-6 credit hours)

BIO 593 Applied Project (3)

BIO 597 Capstone (3)

BIO 599 Thesis (6)

portfolio (0)

written comprehensive exam (0)

Additional Curriculum Information

Students choose one of five culminating experience options listed above. The credit hours required for the electives depends on the culminating experience chosen as all students must complete 30 credit hours for this degree program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology or a related discipline, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

It is desired that applicants have research experience.

#### **Career Opportunities:**

A Master of Science in biology provides strong preparation for academic careers, from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies responsible for wildlife management and conservation, and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- instructors at community colleges
- researchers and technicians in government labs and nonprofit organizations
- science teachers in elementary and high schools
- wildlife, animal and conservation scientists

#### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Life Sciences  
<https://sols.asu.edu/degrees/grad/biology-ms>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

## Biology, PHD (LABIOPHD)

**Online Degree Search Title:** Biology, PhD

**Campus:** Tempe

### Program Description:

The PhD program in biology offers individualized courses of study tailored to students interests that include laboratory, field and theoretical work. Flexibility in the program is achieved by requiring only one core class, which is a choice between two topics that cover the breadth of the research directions in this program.

Electives are also as flexible as possible and include areas outside of biology. The major goal is to provide students opportunities to create an adaptable and general degree program that allows both traditional and interdisciplinary approaches in any area of biology.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3-4 credit hours)

BIO 514 Statistical Models for Biology (4) or

BIO 620 Research Prospectus Writing (3)

Electives (67-68 credit hours)

Other Requirements (1 credit hour)

BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)

Culminating Experience (12 credit hours)

BIO 799 Dissertation (12)

Additional Curriculum Information

The program is tailored to the needs of the individual student. The plan of study is developed by the student and a supervisory committee consisting of a major professor and three additional faculty members. The electives credit hours are comprised of coursework showing breadth in biology subdisciplines, seminars and research.

An oral comprehensive examination is required in order to advance to candidacy and a formal defense of the final written dissertation is required prior to graduation.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Research experience is desired for entry into this program.

**Career Opportunities:**

A doctorate in biology provides strong preparation for academic careers at every level, from community colleges to research universities. The skills and knowledge obtained in this program are also valuable in government careers with federal and state agencies responsible for wildlife management and conservation and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- principal investigators in government labs and nonprofit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools
- wildlife, animal, and conservation scientists

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/biology-phd>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

## Biology (Biology and Society), MS (LABIOSMS)

**Online Degree Search Title:** Biology (Biology and Society), MS

**Campus:** Tempe

**Program Description:**

In the biology and society concentration of the MS program in biology, students examine topics where biology intersects with society.

The concentration tailors individual plans of study to individual needs and interests, with a solid grounding in the life and related sciences and with a rigorous analytical and interdisciplinary education. The program offers suggested courses for those wishing to focus on these areas: bioethics, policy and law; biology education research; ecology, economics and ethics of the environment; and history and philosophy of science.

Bioethics, policy and law --- Students are trained in the pressing moral, policy and legal issues raised by the biosciences and biomedicine and in the disciplinary methods necessary to address these issues.

Biology education research --- This focuses on using education research to identify ways to improve undergraduate biology education broadly.

Ecology, economics and ethics of the environment --- This area trains students in the theory and empirical methods for understanding, analyzing and shaping policy for coupled human-natural systems.

History and philosophy of science --- Students are trained in the conceptual foundations of science, especially the epistemological and methodological assumptions that shape science and its progress.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Conservation Biology and Ecology), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

An individual student plan is developed in consultation with the student's advisor and committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline (typically evolution, genetics and other courses appropriate to the student's particular interests). Students without an undergraduate-level competency in the sciences may be considered for conditional admission to the biology and society concentration.

**Career Opportunities:**

A Master of Science in biology and society provides strong preparation for academic careers, from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies responsible for management and conservation and for careers in industry and nongovernmental organizations.

Career examples include:

- instructors at community colleges
- science teachers in elementary and high schools
- wildlife, animal, and conservation scientists
- researchers and policy developers in government labs and non-profit organizations
- food, agriculture and health care scientists in academic, private and industrial labs

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences

<https://sols.asu.edu/degrees/grad/biology-biology-society-ms>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

**Biology (Biology and Society), PHD (LABIOSPHD)**

**Online Degree Search Title:** Biology (Biology and Society), PhD

**Campus:** Tempe

**Program Description:**

In the biology and society concentration of the PhD program in biology, students examine topics with biological and social dimensions that are best understood together rather than in isolation. The concentration provides plans of study tailored to individual needs and interests. It encompasses a solid foundation in life sciences and related sciences and provides a rigorous analytical and interdisciplinary education. Students may further specialize in one of four tracks:

Bioethics, policy and law --- This track focuses on pressing moral, policy and legal issues raised by biosciences and biomedicine and on the methods needed to address them.

History and philosophy of science --- This track focuses on the conceptual foundations of science, especially the epistemological and methodological assumptions that shape science and its progress.



Ecology, economics and ethics of the environment --- This track focuses on the theory and empirical methods for understanding, analyzing and shaping policy that steer society toward a more productive, equitable and sustainable ecological future.

Biology education research --- This track focuses on using education research to identify ways to broadly improve undergraduate biology education.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3-4 credit hours)

BIO 514 Statistical Models for Biology (4) or

BIO 620 Research Prospectus Writing (3)

Electives (68-69 credit hours)

Culminating Experience (12 credit hours)

BIO 799 Dissertation (12)

Additional Curriculum Information

An individual student program is developed in consultation with the student's advisor and committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline (typically evolution, genetics and other courses appropriate to the student's particular interests). Students without an undergraduate-level competency in the sciences may be considered for conditional admission to the biology and society concentration.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

A doctorate in biology and society provides strong preparation for academic careers at every level, from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies responsible for management and conservation, and for careers in industry and nongovernmental organizations. Graduates often choose careers in higher education, research, administration, policy and science communication.

Career examples include:

- professors or instructors in universities and colleges
- science teachers in elementary and high schools
- wildlife, animal, and conservation scientists
- principal investigators and policy-makers in government labs and non-profit organizations
- food, agriculture and health care scientists in academic, private and industrial labs

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/biology-biology-society-phd>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

## Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)

**Online Degree Search Title:** Biology (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

### Program Description:

The PhD program in biology with a concentration in complex adaptive systems science trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences.

The program is tightly integrated with diverse, ongoing university-wide research at Arizona State University on complex adaptive system science and emphasizes the value of a complex adaptive perspective to give students better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and candidates typically have a member of the complex adaptive systems science graduate faculty as a member of the doctoral supervisory committee.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Only students admitted to participating doctoral programs may apply for a complex adaptive systems concentration. A letter of application from the student must be sent to the chair of the complex adaptive systems science graduate faculty. The application is reviewed by members of the graduate faculty who make final admission recommendations to the Graduate College.

### Career Opportunities:

A doctorate in biology with a concentration in complex adaptive systems science provides strong preparation for academic careers at every level, from community colleges to research universities. The skills and knowledge graduates obtained in this program are also valuable in government careers with federal and state agencies responsible for wildlife management and conservation and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- principal investigators in government labs and non-profit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools
- wildlife, animal, and conservation scientists

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu>  
LSA 181  
[sols.grad@asu.edu](mailto:sols.grad@asu.edu)  
480-965-1768

**Chemistry, MS (LACHEMMS)**

**Online Degree Search Title:** Chemistry, MS

**Campus:** Tempe

**Program Description:**

Students earning an MS degree in chemistry in the School of Molecular Sciences are trained in the foundation disciplines of analytical, organic, physical, inorganic and environmental chemistry and geochemistry. Most also choose to learn by joining transdisciplinary research teams that work on larger, mission-based contemporary problems in areas such as:

- energy and sustainability
- frontiers of chemical measurement
- fundamental molecular science
- geologic and biospheric science
- materials and nanoscience
- medicine and health
- structure function and dynamics

The master's degree program in chemistry provides students with the training they need to solve molecular scale problems and to contribute to research in current challenging societal issues.

**Degree Requirements:**

30 credit hours and a thesis.

500-level or above courses as approved by the school (12)

BCH 501 or CHM 501 Seminar or other seminar course as approved by the school (4)

CHM 592 Research (8)

CHM 599 Thesis (6)

**Additional Curriculum Information**

The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. A written thesis is required and must be successfully defended during a public final oral defense. Students must maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry have opportunities in five general areas: industry

(R&D, quality control, etc.), academia (high school and higher education), government (research, policy, etc.), nonprofit (policy, public education, etc.) and entrepreneurship (consulting, start-ups, etc.). In addition to specialized technical skills, graduates possess high-demand skills like critical thinking, teamwork and collaboration, time management and many others.

Some career examples include:

- chemical technician
- chemistry lecturer
- environmental science specialist
- government scientist
- high school teacher
- military scientist
- materials scientist
- science consultant

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers at <https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html> (<https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html>).

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu/degree/graduate/ms-chemistry--ms>  
PSD 102  
smsgrad@asu.edu  
480-965-4664

## **Chemistry, PHD (LACHEMPHD)**

**Online Degree Search Title:** Chemistry, PhD

**Campus:** Tempe

#### **Program Description:**

The PhD program in chemistry in the School of Molecular Sciences provides students with the training they need to solve molecular scale problems and to be successful independent scientists who can contribute to current challenging societal issues.

Students earning a doctorate in chemistry from the School of Molecular Sciences are trained in the foundation disciplines of analytical, organic, physical, inorganic, environmental or geological chemistry, and most also choose to join transdisciplinary research teams that work on larger, mission-based contemporary problems in areas such as:

- energy and sustainability
- frontiers of chemical measurement
- fundamental molecular science
- geologic and biospheric science
- materials and nanoscience
- medicine and health
- structure function and dynamics

Students should visit the prospective student page (<https://sms.asu.edu/graduate-study> (<https://sms.asu.edu/graduate-study>)) to learn more about this doctoral program and the graduate research page (<https://sms.asu.edu/graduate-study/research> (<https://sms.asu.edu/graduate-study/research>)) to learn about the cutting-edge, transdisciplinary research being conducted in the school.

The doctoral program in chemistry prepares students for professional careers in industry, government and academia.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

six graduate-level courses (12-18)

enrollment in a BCH 501 or CHM 501 seminar each semester (8)

CHM 792 Research (46-52)

CHM 799 Dissertation (12)

Additional Curriculum Information

The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research.

Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense.

Students must also maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

In addition to the admission application, applicants must complete an online supplemental application to the School of Molecular Sciences. The supplemental application is available 24 to 48 hours after submission of the admission application. The personal statement and contact information for the letters of recommendation are submitted as part of the supplemental application. Information about the supplemental application can be found on the School of Molecular Sciences website. Applications lacking a supplemental application are not reviewed.

#### **Career Opportunities:**

Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry will have opportunities in five general areas: industry (R&D, quality control, etc.), academia (high school and higher education), government (research, policy, etc.), nonprofit (policy, public education, etc.) and entrepreneurship (consulting, start-ups, etc.). In addition to specialized technical skills, graduates possess high-demand skills like critical thinking, teamwork and collaboration, time management and many other vital skills.

Some career examples include:

- chemistry lecturer
- environmental science specialist
- government scientist
- materials scientist
- military scientist
- research and development scientist
- research group leader
- science consultant
- university professor

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers at <https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html> (<https://www.acs.org/content/acs/en/careers/college-to-career/chemistry-careers.html>).

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Molecular Sciences

<https://sms.asu.edu/degree/graduate/phd-chemistry--phd>

PSD 102

[smsgard@asu.edu](mailto:smsgard@asu.edu)

480-965-4664

# Classical Liberal Education and Leadership, MA (LACLEDLMA)

**Online Degree Search Title:** Classical Liberal Education and Leadership, MA

**Campus:** Tempe

## Program Description:

The MA program in classical liberal education and leadership is an integrated, interdisciplinary course of study that is student-learning centered, employing the Socratic method of classroom dialogue. This Master of Arts degree program fosters a learning community of students and faculty oriented to the classical, holistic pursuit of knowledge.

The curriculum focuses on philosophy, politics, literature, ethics, economics and history. It combines theory and practice with ideas and application, incorporating inquiry about the good life with the practical challenge of leading others --- nations, societies and individuals --- in the pursuit of a way of life that accords with the precepts of justice and the ethos of humanity.

Intellectual, moral and civic education are understood to be component parts of a genuine liberal education; all are necessary for the flourishing of the individual and society. As Aristotle taught, there is no substitute for doing the right thing in the right way. This is true in how children are educated, neighbors are lived with, and nations are governed. The classical liberal education and leadership program aims to prepare the next generation's teachers, scholars, civic leaders and statesmen to meet the challenges ahead with foresight, integrity, prudence and imagination.

## Degree Requirements:

36 credit hours including a thesis.

Required Core (9 credit hours)

CEL 501 Literary Leaders (3)

CEL 503 Classic Texts in Political Philosophy and Justice (3)

CEL 513 Classic Texts in Leadership and Statesmanship (3)

Restricted Elective (3 credit hours)

Open Electives or Research (18 credit hours)

Culminating Experience (6 credit hours)

CEL 599 Thesis (6)

Additional Curriculum Information

For the restricted elective, students select one course from an approved list. Students should see the School of Civic and Economic Thought and Leadership for the most current list. Other courses may be substituted with approval of the academic unit.

Open electives and research are selected in consultation with the academic advisor.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in liberal arts, political science, history, philosophy, theology, the natural sciences or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation from people in education or leadership positions
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

## Career Opportunities:

A master's degree allows students to upgrade their bachelor's degree. Students gain specialized knowledge to advance in a chosen field. As the workforce evolves, a graduate degree shows employees are dedicated to enhancing their industry expertise and credibility. Students can focus on a

particular field of study, which helps them become more competitive in their area of employment.

A master's degree can open many career doors, including certain career fields, advancement opportunities and higher salaries in the following areas:

- civic leadership and engagement
- education, at all levels
- government
- nonprofit work
- politics

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Civic & Economic Thought and Leadership  
<https://scetl.asu.edu>  
COOR 6611  
[scetlgraduate@asu.edu](mailto:scetlgraduate@asu.edu)  
480-965-0155

## Communication, MA (LACOMMOMA)

**Online Degree Search Title:** Communication, MA

**Campus:** Online

**Program Description:**

The MA program in communication is designed to provide professionals with advanced training in the theory and practice of communication, preparing them for success in their careers and for a dynamic job market.

The flexible delivery offers easy access to a rigorous education that delivers instruction in social influence, global communication, best workplaces practices and more. The program includes a culminating experience that allows students to work with an organization and produce a communication training program.

**Degree Requirements:**

30 credit hours including the required capstone course (COM 550).

Required Core (12 credit hours)

COM 501 Research Methods in Communication (3)

COM 504 Theories and Models in Communication (3)

COM 530 Training and Development (3)

COM 540 Conducting Communication Research (3)

Other Requirements (15 credit hours)

COM 598 Topic: Communication and Conflict Transformation (3)

COM 598 Topic: Communication and Gender (3)

COM 598 Topic: Communication in Global Contexts (3)

COM 598 Topic: Communication in the Workplace (3)

COM 598 Topic: Crisis Management and Communication (3)

COM 598 Topic: Negotiation Theory and Practice (3)

COM 598 Topic: Social Influence and Persuasion (3)

Culminating Experience (3 credit hours)

COM 550 Capstone (3)

Additional Curriculum Information

For the Other Requirements, students must choose 18 credit hours of COM 598 topics.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in communication or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/communication-ma/>)

**Career Opportunities:**

This program is designed for individuals looking to change career trajectories or get ahead in their current professions. Graduates with a master's degree in communication can expect to find work in the following:

- fundraising
- government
- health care
- human resources
- management
- marketing
- nonprofits
- public relations
- sales
- teaching

**Contact Information:**

Liberal Arts and Sciences, The College of  
Hugh Downs School of Human Communication  
<https://humancommunication.asu.edu/>  
STAUF A412  
MACOMAPP@asu.edu  
480-799-5000

## Communication, PHD (LACOMMOPHD)

**Online Degree Search Title:** Communication, PhD

**Campus:** Tempe

**Program Description:**

The Hugh Downs School of Human Communication offers a transdisciplinary graduate program leading to the PhD in communication.

This program provides coursework and resources in interpersonal communication, intercultural communication, organizational communication, health communication, rhetoric and performance studies. Students receive training in communication theory, research methodology and multiple areas of emphasis, and they actively participate in one or more of the School's collaborative research initiatives.

The program is designed to meet the needs of students whose interests transcend traditional disciplinary boundaries and to prepare scholars for research-oriented careers in universities and in the public or private sectors.

**Degree Requirements:**

96 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

COM 604 Theory Construction in Communication (3)

Choose two:

COM 607 Contemporary Rhetorical Methods (3)

COM 608 Multivariate Statistical Analysis of Data in Communication (3)

COM 609 Advanced Qualitative Research Methods in Communication (3)



Electives (45 credit hours)

Other Requirements (24 credit hours)

COM 691 Seminar (24)

Research (6 credit hours)

COM 792 Research (6)

Culminating Experience (12 credit hours)

COM 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree; 66 credit hours are required beyond an appropriate master's degree.

At least six elective credit hours must be coursework outside of the communication field.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- statement of goals
- three letters of recommendation
- writing sample
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Most commonly, students enter with a researched-based MA in which they have completed a master's thesis.

Applicants should visit the Hugh Downs School of Human Communication website for further details.

**Career Opportunities:**

Earning a PhD in communication opens doors to a variety of careers in research, teaching, training and consulting. Graduates of our program typically obtain jobs in research and teaching institutions that range from large research universities to four-year teaching schools and community colleges. A number of career opportunities appear in government agencies and organizations, both for-profit and nonprofit.

Career examples include:

- academic advisors
- campaign managers
- consultants
- policy advocates
- professors
- program directors
- researchers
- trainers

**Contact Information:**

Liberal Arts and Sciences, The College of  
Hugh Downs School of Human Communication

<https://humancommunication.asu.edu/degrees/communication-phd>

STAUF A412

PHDCOM@asu.edu

480-965-5096

## Comparative Culture and Language, PHD (LAILCPHD)

**Online Degree Search Title:** Comparative Culture and Language, PhD

**Campus:** Tempe

### Program Description:

The PhD program in comparative culture and language offers professional training that is linguistically well-grounded, historically and culturally informed, and methodologically transdisciplinary through courses and supervision of research. Central to the program is the critical inquiry of primary texts, media and cultural expressions, aiming at an original understanding of cultures and social groups in their formations, interactions and transformations throughout history.

This degree program is attentive to the various roles of language in societies and in the different perspectives through which language can be studied --- among other aspects, its variations, transformations, hybridizations and processes of acquisition. The doctorate in comparative culture and language focuses particularly on research questions and themes that cannot be fully explored within the traditional disciplinary boundaries; instead, it fosters dynamic collaboration across disciplines in order to engage in the production of knowledge that is crucial to understanding transnational and transcultural interactions across time and space.

The program provides an innovative intellectual platform that advances transdisciplinary research and teaching. In consultation with their advisor, students arrange their coursework in a primary and a secondary area of emphasis. Both areas are organized around interdisciplinary study and research in more than one language. Advanced language requirements vary depending on chosen areas of research. Sample programs of study might include a primary emphasis area in medieval theater and a secondary emphasis area in medieval book culture, with a focus on France and Italy, or students might study multilingualism from a comparative sociolinguistic perspective, comparing trilingual communities like the Yaquis in Arizona and the Uros in Bolivia. Faculty members are drawn from various departments and programs in the humanities and social sciences.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

SLC 602 Comparative Cultural Theory (3)

Restricted Electives (36 credit hours)

primary field of study (18)

secondary field of study (18)

Elective and Research (21 credit hours)

Foreign Language (12 credit hours)

Culminating Experience (12 credit hours)

SLC 799 Dissertation (12)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved courses.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative of GPA 3.30 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae

- writing sample
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement should describe the questions, issues or challenges the student plans to explore through the doctoral program in comparative culture and language and explain how previous studies, training or professional experiences prepare the student for this research. It should include a proposed plan of study based on the current graduate-level offerings at ASU. In a brief statement, the student should indicate how those courses will be preparation for the dissertation, how the plan fits with the description and goals of this doctoral program, and why the proposed program does not fit some other degree program.

Applicants must provide a 15- to 20-page writing sample in English; a writing sample in the primary language of interest may also be requested at the discretion of the admissions committee. The writing sample should reflect the student's analytical and critical skills.

#### Career Opportunities:

Professionals with this doctoral degree can confidently move into academic and international fields as an expert on concentration topics. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- education administrators
- foreign language and literature teachers and professors
- interpreters and translators
- philosophy and religion teachers and professors
- reporters and correspondents

#### Contact Information:

Liberal Arts and Sciences, The College of  
 School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/international-letters-and-cultures-phd>  
 EDB L1-13  
 silc@asu.edu  
 480-965-6281

## Computational Life Sciences (Certificate), Certificate (LACMLSGRCT)

**Online Degree Search Title:** Computational Life Sciences (Graduate Certificate)

**Campus:** Tempe, Online

#### Program Description:

Students in the computational life sciences graduate certificate program develop expertise in the understanding, interpretation and analysis of diverse data types generated from a variety of life sciences disciplines, including ecology, botany, evolutionary biology, neuroscience, molecular and cellular biology and animal behavior.

#### Degree Requirements:

16 credit hours including a portfolio.

Required Core (1 credit hour)

BIO 611 Current Topics in Responsible Conduct of Research (RCR) in Life Sciences (1)

Electives (15 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

#### Additional Curriculum Information

Elective coursework is selected from a restricted list in consultation with the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in life sciences or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- written statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement should discuss the applicant's future career goals, to better assist the student with selecting the most applicable set of courses in computational life sciences.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/computational-life-science-graduate-certificate/>)

**Career Opportunities:**

Professionals with expertise in computational life sciences are in high demand in biotech and biomedical industries. Skills in data science are critical for the analysis and interpretation of life sciences data. These skills are valuable to businesses and institutions relying on data-driven life sciences research including hospitals, biotechnology companies and for-profit and nonprofit research institutions.

Career examples include:

- bioinformatics scientist
- computational lab technician
- core facilities researcher
- ecologist
- educator
- microbiologist
- natural sciences manager
- software developer

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu>  
LSA 181  
[sols.grad@asu.edu](mailto:sols.grad@asu.edu)  
480-965-7490

## Computer-Assisted Language Learning (Certificate), Certificate (LACALLGRCT)

**Online Degree Search Title:** Computer-Assisted Language Learning (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate program in computer-assisted language learning focuses on the application of technology in foreign language teaching and research.

The program teaches the practical, hands-on skills needed to create and evaluate learning and teaching materials with new computer-based technologies. Students learn how to use technology effectively to facilitate instructed second language acquisition and how to develop, manage and maintain a cutting-edge language computing facility. The program also provides students with a solid theoretical and pedagogical framework for the integration of technology into the foreign language curriculum and provides them with the tools necessary to teach language courses in either a hybrid or distance learning environment.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

ENG 557 Computer-Assisted Language Learning (3)

SLC 510 Computer-Assisted Language Learning Praxis (3)

Restricted Electives (3 credit hours)

Electives (6 credit hours)

Additional Curriculum Information

For restricted electives, students select a second language acquisition course with department approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned from a regionally accredited institution a bachelor's or master's degree with a major or minor in foreign language study, English or English education.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students may apply for admission to the certificate program once they have been accepted into a graduate degree program in the School of International Letters and Cultures or other school or department at ASU.

Applicants must have an undergraduate major in the language they will teach or be native speakers of the language they will teach, or they must have a minor or ASU minor equivalency as determined by School of International Letters and Cultures policies (18 upper-division credit hours, including at least three credit hours from the 400 level in their undergraduate program). Current graduate student applicants who do not meet the language requirements must be enrolled in a foreign language graduate program, the Teaching English to Speakers of Other Languages program, an applied linguistics graduate program, or a closely related field (determined by the directors). A teaching certification is not required as this certificate program is open to graduate students with an interest in computer-assisted language learning and who meet the admission requirements.

Applicants must have completed an introduction to linguistics or applied linguistics course at the time of application (to be verified by the certificate directors). The course does not count toward the 15 credit hours required for the certificate.

Applicants must complete a language teaching methods course (to be verified by the certificate directors). This course also may be taken at ASU prior to completion of the certificate program. The course does not count toward the 15 credit hours required for the certificate.

**Career Opportunities:**

Professionals with this certificate can confidently move into academic, business and international fields. Skills developed through this program are

valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- communications teachers and professors
- distance learning coordinators
- foreign language and literature teachers and professors
- instructional coordinators
- instructional designers and technologists
- interpreters and translators
- training and development specialists

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## Creative Writing, MFA (LACWRITMFA)

**Online Degree Search Title:** Creative Writing, MFA

**Campus:** Tempe

**Program Description:**

The MFA in creative writing at ASU has always been an unswervingly student-first program. Through small classes, intimate workshops or one-to-one mentoring, the centuries-old apprenticeship model thrives within the New American University. Poets and fiction writers work with outstanding faculty who have published more than 80 books and garnered national and international attention through awards that include:

- Guggenheim, Howard Foundation, and National Endowment for the Arts fellowships
- International Griffin Poetry Prize
- Pulitzer Prize
- two Medals of Achievement from the National Society of Arts and Letters
- Walt Whitman Award from the Academy of American Poets

Additionally, in concert with the Master of Fine Arts program, the Virginia G. Piper Center for Creative Writing offers students a variety of creative and global fellowship opportunities each year, including two teaching fellowships in Singapore; two creative research fellowships to provide support for summer writing projects; and other generous forms of support that include graduate assistantships, travel scholarships, professional development support, and other teaching and leadership opportunities.

Furthermore, students have access to a variety of professional development opportunities, including serving on the editorial board of an international literary journal, Hayden's Ferry Review and internships with Four Way Books.

**Degree Requirements:**

48 credit hours, a written comprehensive exam and an applied project (ENG 593).

Coursework (39 credit hours)

Other Requirement (6 credit hours)

ENG 592 Research (6)

Culminating Experience (3 credit hours)

ENG 593 Applied Project (3)

**Additional Curriculum Information**

The creative writing program requires 48 credit hours of study evenly divided between writing courses and literature courses designed to inform that writing.

While students are expected to satisfy these requirements in the genre in which they were accepted, the program encourages cross-genre study and electives can include courses taken outside of the creative writing program, even outside the English department.

A written comprehensive exam and an applied project are required.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants should have an undergraduate major in English or creative writing; however, exceptional students who do not have either of these undergraduate majors may be admitted on the basis of writing excellence.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- creative manuscript
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students applying for a teaching assistantship must submit a statement of teaching philosophy and an academic writing sample.

The personal statement should include the applicant's writing background, intended area of specialization, a brief self-evaluation of recent work and the applicant's goals. The statement should be single-spaced, up to 1000 words.

The creative manuscript should be up to 20 pages of poetry or up to 30 pages of prose (prose should be double-spaced).

The three letters of recommendation must consist of one copy of each letter from three recommenders.

Applicants should see the Department of English website for details.

**Career Opportunities:**

A Master of Fine Arts in creative writing prepares students primarily for the professional creation of new art, including fiction, poetry and other written forms. In addition to working as novelists, poets and short story writers, students go on to careers in education, arts administration, media and entertainment, and in political and community organizations.

Career examples include:

- book designer or marketer
- book editor
- creative writing professor
- essayist or journalist
- literary events coordinator
- novelist
- poet
- screenwriter
- secondary education teacher

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English

<https://english.asu.edu/degrees/grad/creative-writing-masters-fine-arts>

RBHL 152

enggrad@asu.edu

480-727-9130

## Critical Theory (certificate), Certificate (LACRTGRCT)

**Online Degree Search Title:** Critical Theory (Graduate Certificate)

**Campus:** Tempe, West

### Program Description:

The certificate program in critical theory provides students with opportunity for advanced study in critical and contemporary theory. It promotes the skills required for the use and interpretation of concepts from continental philosophy and from the theoretical trends that have followed over the last two centuries. The program offers tools for creating a critical engagement with society and for the production of new cultural texts and ideas. Myriad developments in theory cut across disciplines in the arts, humanities, social sciences, and the technical and physical sciences. Students find a wide variety of existing and new courses to apply toward the certificate.

### Degree Requirements:

15 credit hours and a portfolio.

Required Core (3 credit hours)

ENG 502 Contemporary Critical Theories (3)

Electives (12 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Specific details about English proficiency requirements are available on the Department of English website.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

The graduate certificate in critical theory is available to all ASU graduate students irrespective of their major, as well as to nondegree graduate students and working professionals provided they meet eligibility criteria. Sample majors include English; women and gender studies; art history; and, arts, media and engineering.

Eligible applicants must have taken two courses in critical theory or a related field at the upper-division undergraduate level (such as ENG 401 Topics in Critical Theory) or at the graduate level (such as ENG 502 Contemporary Critical Theories).

After submitting the online application, applicants must email unofficial transcripts, a brief statement of purpose explaining the student's areas of interest in critical theory, and a resume to the graduate program manager in the Department of English, with this subject line: Critical Theory Certificate Application.

### Career Opportunities:

Writers and other content professionals are in demand today, not only in traditional print media, but on a myriad digital platforms. The modes of logical argumentation and conceptual analysis found in critical theory are valuable skills useful across the media spectrum, from scholarly writing to popular magazines and websites with social, cultural and political themes. Students of critical theory are also increasingly involved in multimedia work and technologies (such as A.I. and other forms of human-to-media interface) that can be used in cutting edge institutional ventures, both



academic and commercial, such as tech start-ups.

Career examples include:

- analyst for cultural tech company
- content provider for social media
- freelance cultural critic (on- and offline)
- grass-roots activist
- instructor in critical theory, cultural studies or media studies
- political strategist or campaign worker
- writer in marketing and advertising

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of English

<https://english.asu.edu/node/249>

RBHL 125

enggrad@asu.edu

480-965-3194

## Digital Humanities (Certificate), Certificate (LACDHGRCT)

**Online Degree Search Title:** Digital Humanities (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate program in digital humanities provides students with methods and skills central to conducting humanities research that employs both qualitative and quantitative approaches.

The program is designed to promote cross-disciplinary study in humanities and social and computational sciences, and is open to students in all disciplines. The program features training in transdisciplinary collaboration, project-based communication skills, critical theory and the simultaneous application of quantitative and qualitative problem-solving skills.

This certificate highlights an area of excellence within ASU that has emerged across its colleges, schools and departments and is integral to the effort of transforming the humanities at ASU into new transdisciplinary configurations.

**Degree Requirements:**

15 credit hours including an applied project course (CDH 593).

Required Core (3 credit hours)

CDH 501 Digital Humanities: Critical Theory and Methods (3)

Electives (6 credit hours)

Other Requirement (3 credit hours)

CDH 580 Practicum (3)

Culminating Experience (3 credit hours)

CDH 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students enrolled in an existing master's or doctoral program and in good standing. Students who are interested in transdisciplinary work are particularly well-suited for this certificate program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The program requires a TOEFL score of at least 600 (PBT) or 100 (iBT).

Students are asked to outline a desired transdisciplinary area of inquiry. For example, a student who works on digital rhetoric and literacy may want to understand how to create and manage social media data sets or how to create a social media application. Alternatively, a student in the School of International Letters and Cultures may want to study digital archives of Slavic literature and may need to understand how digital archives are enmeshed in national and capitalist networks.

#### Career Opportunities:

Professionals with this certificate can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- computer and information research scientist
- cultural designer
- data scientist
- digital curator
- digital humanities instructor
- humanities digital content editor
- information architect
- metadata analyst
- social science research assistant

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad>  
EDB L1-13  
silc@asu.edu  
480-965-6281

## Disability Studies (Certificate), Certificate (LADISGRCT)

**Online Degree Search Title:** Disability Studies (Graduate Certificate)

**Campus:** Tempe

#### Program Description:

The graduate certificate program in disability studies focuses on the creation of new knowledge and consequent practical implications in the area of disability. It coordinates courses into an individualized systemic plan of study that trains students to conduct disability research.

Students examine disability from diverse perspectives, including disability law and justice, cultural politics of disability, family perspectives, as well as research methods in disability studies. The emphasis for students is on examining and creating new theoretical perspectives and methodological approaches at different levels of analysis while analyzing topics of critical importance locally and globally.

#### Degree Requirements:

15 credit hours.

Required Core (3 credit hours)

JUS 530 Social Policy, Critical Advocacy and Disability (3) or

JUS 565 Critical and Comparative Issues in Disability (3)

Electives (12 credit hours)

#### Additional Curriculum Information

Students should see the academic unit for the pre-approved list of elective coursework. Other coursework may be used with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in areas such as social sciences, education, social work, law, health care and health care policy or any related field from a regionally accredited institution

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:**

A disability studies certificate can benefit individuals working within a variety of fields such as health care, human services, education, rehabilitation sciences and social work. Additionally, individuals with a disability certificate can work within a number of diverse settings, including:

- assisted living centers
- community and family support agencies
- gerontology institutes
- independent living centers
- parent education, consulting and information centers
- protection and advocacy, nonprofit agencies
- research centers and institutes
- self-advocacy associations
- state and local disabilities agencies
- university or college offices for students, with disabilities and transition centers

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu>  
WILSN 125  
[sstgraduate@asu.edu](mailto:sstgraduate@asu.edu)  
480-965-7682

## East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)

**Online Degree Search Title:** East Asian Languages and Civilization, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in East Asian languages and civilizations is a research-intensive, transdisciplinary, area-based degree in the study of traditional and modern languages and cultures of China. Students may focus on:

- comparative cultural studies
- cultural history
- linguistics
- literary criticism
- literary thought

In every case, students are expected to acquire a solid grounding in the classical and modern versions of Chinese.

**Degree Requirements:**

84 credit hours, two foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

CHI 501 Proseminar: East Asian Humanities (3)

Concentration (6 credit hours)

CHI 514 Advanced Classical Chinese (6)

Other Requirements (39 credit hours)

CHI 502 Academic Writing (3)

CHI 598 Topic: Proseminar: Chinese Literary History (3)

CHI 598 Topic: History of the Chinese Language (3)

CHI 598 Special Topics (15)

CHI 691 Seminar (15)

Electives (24 credit hours)

Culminating Experience (12 credit hours)

CHI 799 Dissertation (12)

Additional Curriculum Information

15 credit hours of CHI 598 Special Topics must be comprised of five courses, and 15 credit hours of CHI 691 must be comprised of five seminar courses. Other requirements and elective coursework for the degree are to be chosen in consultation with the program chair.

Courses for the other requirements may be substituted with the approval of the academic unit.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants specializing in Chinese should have completed at least three years of modern Chinese and one year of classical Chinese.

Applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- speech sample in Chinese or Japanese
- resume or curriculum vitae
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The writing sample, which should be no more than 15 pages, should represent the applicant's thinking as well as writing skills, and it should be on a topic connected with Chinese, Japanese or East Asian culture.

The speech sample is required if the applicant is applying for teaching assistantship funding. The speech sample should be a recorded message approximately four minutes in length, in Chinese or Japanese, on a topic of the applicant's choosing. (Applicants are asked to not read the message. This is to help the committee evaluate the level of proficiency, and the message should realistically reflect the applicant's spoken Chinese or Japanese). Recordings should be emailed to [SILC@asu.edu](mailto:SILC@asu.edu) (mailto:SILC@asu.edu).

Applicants should see the department website for more information.

#### **Career Opportunities:**

Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career

opportunities.

Career examples include:

- area, ethnic and cultural studies teachers or professors
- foreign language and literature teachers or professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/east-asian-languages-and-civilization-phd>  
EDB L1-13  
silc@asu.edu  
480-965-6281

## English, MA (LAENGLMA)

**Online Degree Search Title:** English, MA

**Campus:** Tempe, Online

**Program Description:**

The MA program in English allows for a variety of transdisciplinary studies within five distinct tracks:

Comparative literature --- Students interpret cultural productions in English and at least one other language, and they explore approaches ranging from textual criticism, critical theory and translation to cultural studies and the social sciences.

Creative writing -- Students in the accelerated BA/MA creative writing track strengthen their artistic practice by participating in intensive creative writing workshops in either fiction or poetry, alongside the study of contemporary literature and innovative creative techniques.

English studies --- Students in this track learn how to interpret and articulate complex cultural, historical, literary and language related ideas into accessible material for general audiences through a series of courses from across disciplinary areas of study.

Literature --- Students develop and hone skills in oral presentation, writing and critical thinking while exploring social, historical and cultural contexts.

Writing, rhetorics and literacies --- This program offers students a wide array of courses encompassing the history, theory and practice of rhetoric and pedagogy of writing.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English (Creative Writing), BA

English (Literature), BA

English (Writing, Rhetorics and Literacies), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (ENG 593 or LIN 593) and a foreign language exam, or 30 credit hours including the required capstone course (ENG 597) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.

Required Core (3 credit hours)

ENG 501 Approaches to Research (3)

A student may pursue a track in comparative literature, English studies, literature, or writing, rhetorics and literacies. The creative writing track is available only for students in the accelerated BA/MA creative writing track program. All tracks have a foreign language requirement.

Comparative Literature Track

one course in concept and methods (course in comparative literature, criticism or translation)  
Academic Catalog Archive 2021-2022

four courses in a language other than English  
electives

#### Creative Writing Track

ENG 594 Conference and Workshop: Fiction (3) or  
ENG 594 Conference and Workshop: Poetry (3)  
ENG 538 Studies in Modern and Contemporary American Literature (3) or  
ENG 539 Studies in Modernist and Postmodernist Literature and Theory (3)  
electives or research courses  
ENG 584 Internship (3)

#### English Studies Track

one course in linguistics  
one course in literature  
one course in writing, rhetorics and literacies  
one course in English education  
electives or research courses

#### Literature Track

one course in literary theory  
a distribution requirement  
electives  
two courses selected must be graduate seminars at the 600 level

#### Writing, Rhetorics and Literacies Track

one course in composition theory  
one course in rhetoric theory  
electives, which must include six credit hours of graduate seminars at the 600 level

#### Culminating Experience (3 or 6 credit hours)

ENG 593 Applied Project (3) or  
ENG 597 Graduate Capstone Seminar (3) or  
ENG 599 Thesis (6)

#### Additional Curriculum Information

Students should see the academic unit for an approved course list.

The capstone culminating experience option is available to students in the English studies track only. Students in this track must take the capstone. Students in one of the other tracks may select an applied project or thesis for the culminating experience.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Department of English website for specific details about English proficiency requirements.

Applicants for the master's degree program in English with a track in comparative literature must prove fluency in a foreign language to a level sufficient for graduate study. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for

wanting to do graduate work in comparative literature, and plans for the future.

Applicants for the master's degree program in English with a track in creative writing must be undergraduate students in the creative writing concentration at ASU and approved to enter the accelerated program. The one- to two-page statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in creative writing, and their plans for the future.

Applicants for the master's degree program in English with a track in English studies (the online program) are required to submit two academic or professional letters of recommendation; a third recommendation is optional. An academic writing sample is not required. The two-page, single-spaced statement of purpose should explain how the applicant's academic and professional interests fit with the English studies track of the Master of Arts in English. Applicants with undergraduate majors in English, foreign language, history, philosophy, liberal studies or other areas in humanities are considered.

Applicants for the master's degree program in English with a track in literature are required to have an undergraduate major in English. Those who do not have a major in English are encouraged to register as nondegree students while they take supplementary courses, as identified by the advisor. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in literature, and plans for the future.

Applicants for the master's degree program in English with a track in writing, rhetorics and literacies may have undergraduate majors in fields such as, but not limited to, anthropology, cognitive science, communication, comparative languages and literatures, education, English literature, history, law, modern languages, philosophy, political science, psychology, religion, rhetoric or composition, sociology, or speech and hearing science. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in writing, rhetorics and literacies, and plans for the future.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-english/>)

#### **Career Opportunities:**

Professionals with expertise in all areas of English studies are able to articulate and translate complex ideas for a general audience and are prepared for career opportunities in public humanities, business, digital media, teaching, museums, nonprofits and arts organizations. In addition, the program nurtures concrete skills in writing, oral presentation and critical thinking that are valuable assets for any career.

Career examples include:

- author
- communications director
- copywriter
- editor
- human resources specialist
- instructor
- market research analyst
- library or museum administrator
- publisher
- social media manager
- technical writer

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/masters-english>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## **English (English Education), PHD (LAENEDPHD)**

**Online Degree Search Title:** English (English Education), PhD

**Campus:** Tempe

#### **Program Description:**

The PhD program in English with a concentration in English education prepares students to examine the writing and reading practices of secondary students as well as the instructional practices of secondary English language arts teachers by emphasizing the relationship between pedagogy and research methodologies used to study the teaching of secondary English.

The curriculum comprises dynamic coursework, mentoring, interdisciplinary learning opportunities and community outreach.

Possible areas for research focus within this program include young adult literature, secondary reading and writing practices, new literacies, English language learning, critical literacy and secondary English language arts curriculum and instruction development. The program encourages students to pursue coursework in other subdisciplines within the Department of English, such as rhetoric and composition, applied linguistics and literature, and coursework in the ASU Mary Lou Fulton Teachers College, such as literacy and educational research methodology.

Students benefit from the program's links to the Central Arizona Writing Project, and this relationship offers opportunities for related coursework, research, community outreach and teacher in-service programs.

The doctorate in English education prepares students to become professors of English education or to pursue other relevant opportunities in research and administration.

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ENG 501 Approaches to Research (3)

Foundational Distribution (12 credit hours)

Advanced Studies Distribution (12 credit hours)

Internships (9 credit hours)

ENG 784 Internship (9)

Specialization (6 credit hours)

Culminating Experience (12 credit hours)

ENG 799 Dissertation (12)

Additional Curriculum Information

Students must take 12 credit hours at the 500 level, selected from a list of approved courses in education, English, linguistics and applied linguistics for the foundational distribution.

Students must take at least two courses in the area of specialization.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If not approved, the 30 credit hours of coursework will be made up of electives and research.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree from a regionally accredited institution.

Applicants with master's degrees in English education and related fields, such as English literature, applied linguistics, education, and rhetoric and composition will be considered. A minimum of three years of full-time teaching or volunteer work in secondary English language arts classrooms or in literate-rich settings is required.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see



the Department of English website for specific details about English proficiency requirements.

The one- to two-page statement should explain the applicant's interest in the program and how the applicant's background and preparation led to the specific career and research goals. The three letters of recommendation should be from individuals familiar with the applicant's promise in English education, including one letter from a school principal and two letters from university professors. Applicants applying for funding must also submit a statement of teaching philosophy.

Applicants should see the Department of English website for specific details.

### **Career Opportunities:**

Careers for English education graduates include professions related to the field of secondary language arts and literacy education in secondary schools.

Career examples include:

- curriculum developer
- dual enrollment teacher
- faculty position (college, university)
- instructional leader
- literacy coach
- middle or high school English teacher
- teacher leadership and research

### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English

<https://english.asu.edu/degrees/grad/doctor-philosophy-english-education>

RBHL 130

enggrad@asu.edu

480-965-3194

## **English (Literature), PHD (LAENLITPHD)**

**Online Degree Search Title:** English (Literature), PhD

**Campus:** Tempe

### **Program Description:**

The PhD program in English with a concentration in literature trains students in the various methodologies, pedagogies and areas of inquiry that constitute literary and cultural studies.

With a diverse and accomplished faculty, the program offers opportunities for specialization in traditional areas of literary criticism, cultural analysis and theory, as well as various fields of interdisciplinary study.

A doctorate in literature equips students with a range of highly sought-after skills and competencies: research and analysis of complex material, communication in written and oral modes, collaboration, independence and self-motivation, creativity and adaptability.

### **Degree Requirements:**

84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

A student with an appropriate master's degree must complete a minimum of 54 credit hours of approved graduate work, which includes 12 credit hours of dissertation, provided the student's master's degree is accepted by the supervisory committee and the academic unit. Research hours may be used toward coursework in consultation with the advisor.

A student without an appropriate master's degree must complete 84 credit hours of work at ASU. At the advisor's discretion, students may include up to 12 credit hours of appropriate, graduate-level coursework undertaken at another university and not previously counted toward any other degree.

Specifically required are six credit hours in theory courses and ENG 501 Approaches to Research. Students must complete eight graduate courses in any of the following categories:

- cultural studies
- ethnic studies

- gender studies
- genre
- history and structure of the English language
- literature 1500-1660
- literature 1660-1900
- literature since 1900
- literature to 1500
- postcolonial or anglophone literatures

Students must take at least five graduate seminars at the 600 level en route to the doctorate, at least three of which must be taken in the doctoral program. Up to 12 credit hours taken outside the department may be counted toward the degree. Students should consult with their supervisory committees when choosing electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency

#### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Department of English website for specific details about English proficiency requirements. <https://english.clas.asu.edu/admission/graduate-admission/how-to-apply/information-international-students> (<https://english.clas.asu.edu/admission/graduate-admission/how-to-apply/information-international-students>)

The well-considered, one- to two-page, single-spaced statement of purpose should explain how the applicant's experience and training have prepared him or her for the program as well as the purpose for pursuing the doctorate. Applicants applying for funding must also submit a statement of teaching philosophy. Students should see the Department of English website for specific details.

#### **Career Opportunities:**

Graduates are prepared for careers in higher education and other fields that value this expertise. Sectors employing high numbers of arts and humanities graduates include: information and communication; financial and insurance; public administration and defense; arts and entertainment; and education.

Career examples include:

- archivist
- art director
- copywriter
- criminal investigator or special agent
- editor
- educator
- intelligence analyst
- librarian
- market research analyst
- museum curator, educator or exhibit designer
- political analyst
- public relations specialist or manager
- technical writer

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/doctor-philosophy-english-literature>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

**English (Writing, Rhetorics, and Literacies), PHD (LAENRHTPHD)**

**Online Degree Search Title:** English (Writing, Rhetorics and Literacies), PhD

**Campus:** Tempe

**Program Description:**

The PhD in English with a concentration in writing, rhetorics and literacies promotes the study of rhetorical strategies, production, distribution and interpretation of oral, written, digital, visual, discursive, material and symbolic texts.

Students study the history, theories and methods of inquiry as well as pragmatic and social actions of writing, rhetoric and literacies. With theories and methods from both historical and contemporary contexts, students learn strategies for inquiry; the ways in which communication creates knowledge and action; and how communication is constructed, circulated, reacted to and repurposed over time and across space. Program requirements are designed to encourage a full understanding of theoretical and applied aspects of writing studies, rhetorical studies and literacy studies. Students also are provided many opportunities to explore the intersections and tensions that exist within and between the three different areas of inquiry.

The program encourages transdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for working lives as teachers, scholars and communications professionals.

**Degree Requirements:**

84 credit hours, a foreign language exam, a written comprehensive exam, a prospectus and a dissertation, or 84 credit hours, a foreign language exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ENG 501 Approaches to Research (3)

Concentration (9 credit hours)

ENG 551 Rhetorical Traditions (3)

ENG 552 Composition Studies (3)

ENG 556 Theories of Literacy (3)

Focus Area (9 credit hours)

Electives or Research (18 credit hours)

research methods (3)

electives (15)

Other Requirements (3 credit hours)

writing for publication/scholarly writing coursework (3)

Culminating Experience (12 credit hours)

dissertation (12)

Additional Curriculum Information

Students may be allowed 30 credit hours from a previously awarded master's degree as approved by the academic unit and the Graduate College. Students who do not hold a master's degree are required to take additional elective and research credit hours to reach the 84 credit hours required for this program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants with bachelor's or master's degrees in fields such as anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, English literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religion, rhetoric, composition, sociology, and speech and hearing science will be considered.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should see the Department of English website for specific details about English proficiency requirements.

In the well-considered, one- to two-page, single-spaced statement of purpose, applicants should explain how their experience and training have prepared them for the program. Applicants should indicate their career goals and explain how these goals relate to the program in writing, rhetorics and literacies. Applicants applying for funding must also submit a statement of teaching philosophy. Applicants should see the Department of English website for specific details.

### **Career Opportunities:**

Professionals with expertise in written communication, research and knowledge management are in high demand across sectors and industries, including business, media, law, entertainment, politics, nonprofits and community organizations. Skills in the measurement and analysis of data for the development of multimodal (digital, print, oral, visual) content are valuable to businesses, organizations and institutions relying on data-driven strategies to address and communicate complex, knowledge-rich issues to broad professional audiences.

Career examples include:

- editor and content manager
- English or communications professor
- human resources specialist
- market research analyst
- public relations specialist
- publishing copyeditor or proofreader
- social media manager
- technical writer

### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English

<https://english.asu.edu/degrees/grad/doctor-philosophy-writing-rhetorics-literacies>

RBHL 125

enggrad@asu.edu

480-965-3194

## **English Education, MA (LAENEDMA)**

**Online Degree Search Title:** English Education, MA

**Campus:** Tempe

### **Program Description:**

The MA in English education is a one-year, intensive program designed to prepare practicing and transitioning teachers for careers as exemplary educators, teacher-researchers and leaders in English language arts instruction.

Students in the program develop a deep understanding of the English language arts by learning how to access, analyze and apply research and best practices for teaching secondary students (grades 7-12). This program balances the refining of disciplinary knowledge with pedagogical application of that knowledge in classrooms. Students take a variety of dynamic, cutting-edge methods courses, including advanced methods courses in research in English education, methods of teaching writing and text, teaching postcolonial young adult literature and teaching writing in an era of standardization.

This innovative course of study culminates with an inquiry project related to English language arts instruction in secondary classrooms. The  
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program empowers students to employ teacher research and inquiry to address questions they have about their own students' learning and their own teaching practice.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English (Secondary Education), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours including the required applied project course (ENG 593).

Required Core (12 credit hours)

ENG 501 Approaches to Research (3)

ENG 506 Methods and Issues in Teaching Language (3)

ENG 507 Methods and Issues in Teaching Composition (3)

ENG 606 Advanced Studies in English Education (3)

Electives or Research (12 credit hours)

Other Requirements (3 credit hours)

ENG 594 Conference and Workshop (3)

Culminating Experience (3 credit hours)

ENG 593 Applied Project (3)

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in English, creative writing, English education, secondary education or secondary curriculum and instruction, or a master's degree in education or a closely related field from a regionally accredited institution. Current certification in secondary English language arts (grades 6-12), or equivalent certification, or a minimum of two years teaching English language arts in a school setting is required.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Department of English website for specific details about English proficiency requirements.

The one- to two-page statement of purpose should explain the applicant's background, reasons for wanting to do graduate work in English education, and goals. Three academic or professional letters of recommendation are required, and at least one must be from a faculty member familiar with the applicant's academic work.

### **Career Opportunities:**

Careers for English education graduates include professions related to the field of secondary language arts and literacy education in secondary schools.

Career examples include:

- curriculum development

- dual enrollment teachers
- faculty positions at colleges and universities
- instructional leaders
- literacy coaches
- middle and high school English teachers
- teacher leadership and research

**Contact Information:**

Liberal Arts and Sciences, The College of  
 Department of English  
<https://english.asu.edu/degrees/grad/masters-english-education>  
 RBHL 130  
 enggrad@asu.edu  
 480-965-3224

**Environmental Communication and Leadership (Certificate), Certificate (LAECLGRCT)**

**Online Degree Search Title:** Environmental Communication and Leadership (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:**

Scientists must go beyond publishing in journals if they want their research to be relevant to society. However, academic training rarely covers how to communicate with the press, the public, policymakers and other relevant stakeholders.

This certificate program in environmental communication and leadership gives graduate students in environmental disciplines the important leadership and communication skills needed to increase their influence and reach above and beyond academia.

**Degree Requirements:**

15 credit hours.

Required Core (3)

BIO 578 Environmental Leadership and Communication (3)

Electives (12)

policy and management (3)

communication (3)

leadership (3)

open elective (3)

**Additional Curriculum Information**

Students must choose three credit hours from each of the three categories with approval of the School of Life Sciences. If a student takes a course for fewer than three credit hours, the student must take more than one course in that category to meet the three credit hour requirement. Students should contact the School of Life Sciences for a complete list of courses.

Students choose one three credit hour elective course from any of the three categories above. Students should note that only three credit hours of approved 400-level coursework can appear on the plan of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Sample related fields include business, education, biology, geosciences, political science and English.

Applicants must have completed 12 undergraduate credit hours of natural science or social science coursework related to the environment at the time of application to the graduate certificate program. They must meet all other graduate admissions requirements. Courses are reviewed by the School of Life Sciences graduate committee to ensure that they fulfill this requirement.

#### **Career Opportunities:**

Professionals skilled in communication as well as analytical and critical thinking are highly sought in public and private industry. Experience with conservation science, policy, management and leadership prepare graduates for careers in research, policy development, law and business management, among many others.

Career examples include:

- attorney
- ecologist
- professor
- research scientist
- science journalist or communicator

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu>  
LSA 212  
[sols.grad@asu.edu](mailto:sols.grad@asu.edu)  
480-727-3109

## **Environmental Life Sciences, PHD (LAELSPHD)**

**Online Degree Search Title:** Environmental Life Sciences, PhD

**Campus:** Tempe

#### **Program Description:**

The PhD in environmental life sciences is a novel graduate degree program that provides doctorate-level training in several complementary fields focused on the interactions between organisms (e.g., plant, microbe, people and other animals) and the environment.

This unique program provides opportunities to train across many fields of study, including:

- biology
- biochemistry and chemistry
- conservation science
- ecology
- evolution
- environmental engineering
- geosciences
- mathematics and statistics
- spatial sciences
- social sciences
- sustainability

Graduate students are trained by means of a core class taught by environmental life science faculty members, through hands-on experiences in the lab and field, with guidance from committee members across multiple disciplines, and in research seminars.

The focus is on collaborative, interdisciplinary and integrative study of the causes and consequences of environmental variation across scales ranging from the organism to the globe. The overall goal is to provide a unique, interdisciplinary doctoral program that encourages students to explore and solve complex problems in the context of natural and anthropogenic environmental change.

Administered by ASU's School of Life Sciences, seven additional schools participate in this interdisciplinary program to promote broad, collaborative training.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ELS 501 Environmental Life Sciences: Grand Challenge: Global Climate Change (3)

Electives (69 credit hours)

Culminating Experience (12 credit hours)

ELS 799 Dissertation (12)

Additional Curriculum Information

ELS 501 is required for students to take during their first semester at ASU.

For electives, students should see the academic unit for approved coursework. Students also may take ELS omnibus courses to fulfill some of the elective requirements.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework are made up of electives and research.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

Environmental life sciences addresses ecological, environmental, sociological or governance questions in a changing world. Graduates are prepared for a range of careers related to global environmental change, conservation and resource management, among others.

Career examples include:

- atmospheric and space scientist, professor, consultant or research director
- forestry and conservation science professor, consultant or research director
- climate change analyst, oceans, and climate manager
- environmental compliance inspector, environmental engineer, environmental safety and health coordinator
- public health scientist
- insect ecologist and exhibits specialist
- operations research scientist
- research ecologist
- wildfire biologist



**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/environmental-life-sciences-phd>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

**Environmental Social Science, PHD (LAESSPHD)**

**Online Degree Search Title:** Environmental Social Science, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices is difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry or nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree program. This leaves 30 credit hours of coursework, 12 credit hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate degree program.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants may include in the application materials an optional scholarly writing sample, not to exceed 30 double-spaced pages.

**Career Opportunities:**

The demand in the job market is for people with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in this degree are increasingly sought for their broad, holistic knowledge and perspectives. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- planning communities
- teaching

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/environmental-social-science-phd>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

**Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)**

**Online Degree Search Title:** Environmental Social Science (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

**Program Description:**

The PhD program in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment

- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry and nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

Concentration (12 credit hours)

Electives or Research (21 credit hours)

Culminating Experience (12 credit hours)

**Additional Curriculum Information**

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study and typically have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

Students should see the academic unit for a complete list of approved electives and concentration courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants may submit an optional scholarly writing sample, not to exceed 30 double-spaced pages, to be included in their application materials.

**Career Opportunities:**

The demand in the job market is for people with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in this degree are increasingly sought for their broad, holistic knowledge and perspectives. Some career opportunities include:

- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- planning communities
- teaching

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/environmental-social-science-phd/cass>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

**Environmental Social Science (Urbanism), PHD (LAESSURPHD)**

**Online Degree Search Title:** Environmental Social Science (Urbanism), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The PhD in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability

- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry or in nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students are able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post admission.

Students entering without a master's degree must earn an additional 30 credit hours of graduate coursework, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate degree program.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

All students entering the program complete 18 credit hours of core classes in conceptual domains and topical foci. For the concentration in urbanism, 15 credit hours are to be selected from an approved list of applicable courses related to urbanism. Some of the environmental social science core courses also count toward the concentration in urbanism. These courses include the core urbanism course GCU 516 as well as one course from each of the four urbanism clusters: built form, culture and society, institutions and governance, and natural environment.

Additional credit hours come from courses in research design, technical expertise and electives. Students may select from a substantial range of courses to satisfy noncore requirements.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants may submit with their application materials an optional scholarly writing sample, not to exceed 30 double-spaced pages.

### **Career Opportunities:**

The demand in the job market is for people with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in this degree are increasingly sought for their broad, holistic knowledge and perspectives. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- planning communities
- teaching

### **Contact Information:**

Liberal Arts and Sciences, The College of  
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[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)  
480-965-6215

## **Evolutionary Biology, PHD (LAEVOPHD)**

**Online Degree Search Title:** Evolutionary Biology, PhD

**Campus:** Tempe

### **Program Description:**

The evolutionary biology PhD is a transdisciplinary graduate degree program that provides doctorate-level training in the historical, conceptual, empirical and quantitative aspects of biological evolution.

Evolution is a fundamental scientific concept underlying all aspects of modern biological, environmental and health-related research. It cuts across biological sciences in ways that few other foci do and informs the theoretical foundations of subfields like population genetics and ecosystem ecology. It allows integration of information and patterns across levels of organization, informs the theoretical foundations of subfields ranging from population genetics to systematics to ecosystem ecology, and provides bridges between temporal and spatial scales.

Forgoing emphases on particular taxa or methods, the program focuses on understanding the patterns and processes that have shaped life on Earth and continue to do so, training the next generation of scientists to use this knowledge to meet present and future challenges to the biosphere and human health in the face of increasing environmental perturbation.

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

BIO 514 Statistical Models for Biology (4)

EVO 601 Principles of Evolution (3)

EVO 610 Research Areas of Evolution (2)

Electives (9 credit hours)

The program advisor as well as the student's advisor will determine these courses in conjunction with the student.

Other Requirements (54 credit hours)

research, coursework or 30 credit hours from a previously awarded master's degree

Dissertation (12 credit hours)

EVO 799 Dissertation (12)

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

### **Career Opportunities:**

A PhD in evolutionary biology provides strong preparation for academic careers at every level from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies, and for careers in industry and nongovernmental organizations.

Career examples include:

- health care scientists in academic, private, and industrial labs
- principal investigators in government labs and nonprofit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools
- wildlife, animal, and conservation scientists

### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/degrees/grad/evolutionary-biology-phd>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## **Evolutionary Medicine (Certificate), Certificate (LAEVMDGRCT)**

**Online Degree Search Title:** Evolutionary Medicine (Graduate Certificate)

**Campus:** Tempe

### **Program Description:**

With rising need for health science-related skills and an aging population in the United States, innovations in health and medicine are in demand.

Evolutionary medicine is a new and burgeoning field situated between the life and social sciences that integrates the fields of genetics, medicine, global health, evolutionary biology and public health to transform understanding of disease and improve human health. Students that complete this certificate program learn how to integrate perspectives from across fields to answer questions about health and disease in the context of human life history.

Students are introduced to integrated approaches within the biological and social sciences that are capable of addressing an emerging, anticipated public need such as reemerging infectious disease, challenges with vaccines, the expansion of chronic disease and other growing public health crises.

**Degree Requirements:**

15 credit hours including the required capstone course (BIO 571).

Required Core (3 credit hours)

ASB 507/BIO 507 Advanced Evolutionary Medicine (3) or

ASM 503/BIO 510 Evolutionary Medicine and Global Health (3)

Restricted Electives in Anthropology (3 credit hours)

ASB 503 Medical Anthropology (3)

ASB 510 Health: Social and Biocultural Theories (3)

Restricted Electives in Biology (3 credit hours)

ASM 546/BIO 546 Principles of Human Genetics (3)

BIO 545 Populations: Evolutionary Genetics (3)

EVO 601 Principles of Evolution (3)

Electives or Research (3 credit hours)

Culminating Experience (3 credit hours)

BIO 571 Evolutionary Medicine Capstone (3)

Additional Curriculum Information

Students choose one course from an approved list of electives or research courses and cannot choose courses already taken for required core or restricted electives in anthropology and biology. For restricted electives in anthropology and biology, students must choose one course from the list indicated for each subject.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the life or social sciences or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The professional resume should demonstrate the applicant's skills and previous training.

The written statement asks about future career goals to better assist the student with selection of the most applicable set of courses in evolutionary medicine.

International students who need an F1 or 1 J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and



procedures regarding admission be considered for admission to this certificate program.

### **Career Opportunities:**

According to the Bureau of Labor Statistics, demand for health science-related careers is expected to grow 18% between 2016 and 2022. With an aging population in the United States and a pivot toward global health concerns, there is an increase in demand for health care services.

Health care professional programs have competitive admissions processes and students with a certificate in evolutionary medicine are able to set themselves apart from their peers with their skills in problem-solving that address the integration of basic medical and public health science and practice. They also have a working knowledge of how evolutionary thinking influences medical and public health intervention and have the ability to apply an integrated conceptual framework to the problems of public health and medicine in order to produce more holistic outcomes for the improvement of human health.

Career examples include:

- anthropologists and sociologists
- biologists
- educators
- physicians, nurses, psychologists and psychiatrists
- public health professionals

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu>  
LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
480-727-6277

## **Exploration Systems Design, MS (LAESDMS)**

**Online Degree Search Title:** Exploration Systems Design, MS

**Campus:** Tempe

### **Program Description:**

The MS program in exploration systems design promotes the development and growth of engineering-literate scientists and science-literate engineers. Its unique curriculum combines science applications with engineering knowledge and skills through engineering and science courses focused on Earth science, space science and astrophysics.

Three concentrations are also offered for those who wish more specific training in instrumentation, systems engineering and sensor networks.

### **Degree Requirements:**

Required Core (5 credit hours)

SES 501 SESE Colloquium (1)

SES 502 Exploring SESE Research (1)

SES 510 Graduate Exploration Project I (3)

Electives or Research (22 credit hours)

Culminating Experience (3 credit hours)

SES 511 Graduate Exploration Project II (3)

Additional Curriculum Information

For elective coursework, students select from the AST, GLG, SES or engineering courses in consultation with their faculty advisor. Six credit hours must be science coursework approved by the faculty advisor. Other courses can be used with academic unit approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, physical science or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate>  
ISTB4 795  
seseinfo@asu.edu  
480-965-5081

## Exploration Systems Design, PHD (LAESDPHD)

**Online Degree Search Title:** Exploration Systems Design, PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The PhD program in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide variety of demanding environments on the earth, planets, moons and in space.

This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering and sensor networks.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (70 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

#### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students take two science courses selected from the SESE graduate catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students should see the program website for application deadlines.

#### Instrumentation concentration:

An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

#### Systems engineering concentration:

Successful completion of a senior capstone or design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Exploration Systems Engineering as a deficiency course.

#### Sensor networks concentration:

An undergraduate degree in electrical engineering or computer science is preferred.

#### Career Opportunities:

Professionals with expertise in exploration systems design are in high demand across sectors and industries, including remote sensing, systems engineering, data science, environmental consulting, Earth and planetary science, and engineering. Coding and numerical modeling skills translate across many domains, even beyond exploration systems design. Skills in the design, manufacture and deployment of engineered solutions to science problems are valuable to businesses and institutions relying on data-driven strategies to manage large teams and complex problems. The doctoral degree in exploration systems design is generally required for careers in post-secondary education and research.

Career examples include:

- data scientist
- engineering professor
- project manager
- research engineer

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu>  
ISTB4 795  
[sese-prospectivegrads@asu.edu](mailto:sese-prospectivegrads@asu.edu)  
480-965-5081

## Exploration Systems Design (Instrumentation), MS (LAESDIMS)

**Online Degree Search Title:** Exploration Systems Design (Instrumentation), MS

**Campus:** Tempe

### Program Description:

The MS program in exploration systems design with a concentration in instrumentation promotes the development and growth of engineering-literate scientists and science-literate engineers who are interested in the design, construction and implementation of scientific instrumentation. Its unique curriculum combines science applications with engineering knowledge and skills through engineering and science courses focused on Earth science, space science and astrophysics. The concentration trains students to design the next generation of in-situ or remote sensing instrumentation for exploration of the Earth, space and the universe.

### Degree Requirements:

Required Core (5 credit hours)

SES 501 SESE Colloquium (1)

SES 502 Exploring SESE Research (1)

SES 510 Graduate Exploration Project I (3)

Concentration (9 credit hours)

AST 540 Astronomical Instrumentation and Data Analysis (3)

EEE 543 Antenna Analysis and Design (3)

EEE 545 Microwave Circuit Design (3)

EEE 548 Coherent Optics (3)

EGR 608 Advanced Simulation (3)

MAE 503 Finite Elements in Engineering (3)

MAE 557 Mechanics of Composite Materials (3)

Electives or Research (13 credit hours)

Culminating Experience (3 credit hours)

SES 511 Graduate Exploration Project II (3)

Additional Curriculum Information

Students select three courses from the available concentration coursework.

For elective coursework, students select from the AST, GLG, SES or engineering courses in consultation with their faculty advisor. Six credit hours must be science coursework approved by the faculty advisor. Other courses can be used with academic unit approval.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, physical science or a related field

from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate>  
ISTB4 795  
seseinfo@asu.edu  
480-965-5081

## Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)

**Online Degree Search Title:** Exploration Systems Design (Instrumentation), PhD

**Campus:** Tempe

**Program Description:**

The exploration systems design PhD program offers an advanced systems approach for developing scientific exploration technologies in a range of demanding environments on Earth and in space.

This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This is a collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering that allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. The instrumentation concentration prepares students in the development of state of the art sensors and systems for remote and in-situ sensing related to planetary science, earth science and astronomy.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Concentration (9 credit hours)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students take two science courses selected from the SESE graduate catalog (GLG, SES or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students should see the program website for application deadlines.

#### **Career Opportunities:**

Professionals with expertise in exploration systems design are in high demand across sectors and industries, including remote sensing, systems engineering, data science, consulting, Earth and planetary science, and engineering. Coding and numerical modeling skills translate across many domains, even beyond exploration systems design. Skills in the design, manufacture and deployment of engineered solutions to science problems are valuable to businesses and institutions relying on data-driven strategies to manage large teams and complex problems. The doctoral degree in exploration systems design is generally required for careers in post-secondary education and research.

Career examples include:

- data scientist
- engineering professor
- instrument builder
- machining specialist
- project manager
- research engineer

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration

<https://sese.asu.edu/degrees/graduate/exploration-systems-design-instrumentation-phd>  
ISTB4 795

sese-prospectivegrads@asu.edu  
480-965-5081

## **Exploration Systems Design (Sensor Networks), MS (LAESDSNMS)**

**Online Degree Search Title:** Exploration Systems Design (Sensor Networks), MS

**Campus:** Tempe

#### **Program Description:**

The MS program in exploration systems design with a concentration in sensor networks promotes the development and growth of engineering-literate scientists and science-literate engineers interested in the use of robotics, data science and other computational tools applied to science

problems in Earth and space sciences. Its unique curriculum combines science applications with engineering knowledge and skills through engineering and science courses focused on Earth science, space science and astrophysics. The concentration trains students to solve the some of the most complex science problems humanity faces using modern computational tools.

**Degree Requirements:**

Required Core (5 credit hours)

SES 501 SESE Colloquium (1)

SES 502 Exploring SESE Research (1)

SES 510 Graduate Exploration Project I (3)

Concentration (9 credit hours)

CEN 571 Hardware Acceleration and FPGA Computing (3)

EEE 507 Multidimensional Signal Processing (3)

EEE 511 Artificial Neural Computation (3)

EEE 515 Machine Vision and Pattern Recognition (3)

EEE 551 Information Theory (3)

MAE 547 Modeling and Control of Robots (3)

Electives or Research (13 credit hours)

Culminating Experience (3 credit hours)

SES 511 Graduate Exploration Project II (3)

Additional Curriculum Information

Students select three courses from the available concentration coursework.

For elective coursework, students select from the AST, GLG, SES or engineering courses in consultation with their faculty advisor. Six credit hours must be science coursework approved by the faculty advisor. Other courses can be used with academic unit approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, physical science or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation
- proof of English proficiency

## Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

### Contact Information:

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate>  
ISTB4 795  
seseinfo@asu.edu  
480-965-5081

## Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)

**Online Degree Search Title:** Exploration Systems Design (Sensor Networks), PhD

**Campus:** Tempe

### Program Description:

The exploration systems design PhD program offers an advanced systems approach for developing scientific exploration technologies in a range of demanding environments on Earth and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. The sensor networks concentration prepares students in the development of networked software and hardware systems related to earth and space exploration, including robotics, data science and high-performance computing.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Concentration (9 credit hours)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students take two science courses selected from the SESE graduate catalog (GLG, SES or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.



Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students should see the program website for application deadlines.

Sensor networks concentration: An undergraduate degree in electrical engineering or computer science is preferred.

### **Career Opportunities:**

Professionals with expertise in exploration systems design are in high demand across sectors and industries, including remote sensing, systems engineering, data science, environmental consulting, Earth and planetary science, and engineering. Coding and numerical modeling skills translate across many domains, even beyond exploration systems design. Skills in the design, manufacture and deployment of engineered solutions to science problems are valuable to businesses and institutions relying on data-driven strategies to manage large teams and complex problems. The doctoral degree in exploration systems design is generally required for careers in post-secondary education and research.

Career examples include:

- data scientist
- engineering professor
- instrument builder
- project manager
- research engineer
- sensor technologist

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration

<https://sese.asu.edu/degrees/graduate/exploration-systems-design-sensor-networks-phd>

ISTB4 795

sese-prospectivegrads@asu.edu

480-965-5081

## **Exploration Systems Design (Systems Engineering), MS (LAESDSEMS)**

**Online Degree Search Title:** Exploration Systems Design (Systems Engineering), MS

**Campus:** Tempe

### **Program Description:**

The MS program in exploration systems design with a concentration in systems engineering promotes the development and growth of engineering-literate scientists and science-literate engineers interested in the design, construction and implementation of next generation space missions and large projects. Its unique curriculum combines science applications with engineering knowledge and skills through engineering and science courses focused on Earth science, space science and astrophysics. The concentration trains students to design the next generation of large projects and space missions for exploration of the Earth, space and the universe.

### **Degree Requirements:**

Required Core (5 credit hours)

SES 501 SESE Colloquium (1)

SES 502 Exploring SESE Research (1)

SES 510 Graduate Exploration Project I (3)

Concentration (9 credit hours)

EGR 530 Principles of Systems Engineering (3)

EGR 608 Advanced Simulation (3)

EGR 611 Complex Engineering Systems (3)

IEE 573 Reliability Engineering (3)

MAE 547 Modeling and Control of Robots (3)

MAE 557 Mechanics of Composite Materials (3)

MAE 565 Rocket Propulsion (3)

MAE 587 Radiation Heat Transfer (3)

Electives or Research (13 credit hours)

Culminating Experience (3 credit hours)

SES 511 Graduate Exploration Project II (3)

Additional Curriculum Information

Students select three courses from the available concentration coursework.

For elective coursework, students select from the AST, GLG, SES or engineering courses in consultation with their faculty advisor. Six credit hours must be science coursework approved by the faculty advisor. Other courses can be used with academic unit approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, physical science or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration

<https://sese.asu.edu/degrees/graduate>

ISTB4 795

seseinfo@asu.edu

480-965-5081

## Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)

**Online Degree Search Title:** Exploration Systems Design (Systems Engineering), PhD

**Campus:** Tempe

### Program Description:

The exploration systems design PhD program offers an advanced systems approach for developing scientific exploration technologies in a range of demanding environments on Earth and in space.

This transdisciplinary degree program provides a unique platform for training systems engineers who are interested in developing technologies for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. The systems engineering concentration prepares students in the design, planning, creation and operation of complex exploration systems, including spaceflight and missions and large, multidisciplinary experiments.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Concentration (9 credit hours)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students take two science courses selected from the SESE graduate course catalog (GLG, SES or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Systems engineering concentration: Successful completion of a senior capstone or design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Exploration Systems Engineering as a deficiency course.

#### Career Opportunities:

Professionals with expertise in exploration systems design are in high demand across sectors and industries, including remote sensing, systems engineering, data science, consulting, Earth and planetary science, and engineering. Coding and numerical modeling skills translate across many domains, even beyond exploration systems design. Skills in the design, manufacture and deployment of engineered solutions to science problems are valuable to businesses and institutions relying on data-driven strategies to manage large teams and complex problems. The doctoral degree in exploration systems design is generally required for careers in post-secondary education and research.

Career examples include:

- data scientist
- engineering professor
- instrument builder
- project manager
- research engineer
- systems engineer

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration

<https://sese.asu.edu/degrees/graduate/exploration-systems-design-systems-engineering-phd>

ISTB4 795

sese-prospectivegrads@asu.edu

480-965-5081

## Family and Human Development, MS (LAFAMHDMS)

**Online Degree Search Title:** Family and Human Development, MS

**Campus:** Online

#### Program Description:

The MS program in family and human development provides practitioner-oriented professionals with an understanding of relationships and developmental dynamics.

Students learn how to effectively evaluate and consume research, translate research into best practices, and apply these principles at work. They gain knowledge and skills necessary for promoting healthy individual and family development as they study the factors that promote successful relationships and positive outcomes for individuals, families and communities across the lifespan.

The online format provides easy access to rigorous and valuable information that informs best practices in improving the lives of families and family members. The program also includes a customizable culminating experience that allows students to focus their training in their areas of interest and work.

#### Degree Requirements:

30 credit hours including the required capstone course (FAS 588).

Required Core (9 credit hours)

CDE 531 Theoretical Issues in Child Development (3)

FAS 586 or SOC 586 Capstone I (3)

FAS 587 or SOC 587 Capstone II (3)

Electives or Research (18 credit hours)

FAS 500 Research Methods (3)

CDE 501 Social Statistics (3)

diversity course (3)

other elective coursework (9)

Culminating Experience (3 credit hours)  
FAS 588 Capstone III (3)

#### Additional Curriculum Information

Students complete the coursework and culminating experience courses in consultation with the assigned faculty advisor. The plan of study should be completed and approved by the faculty advisor once completing 50% of the minimum required credit hours for the degree. Acceptance of the proposed plan of study must be verified by the signature of the chair and faculty advisor. After approval from the program or college, the plan of study is submitted to the Graduate College for final approval.

FAS 500 and CDE 501 may be replaced by equivalent courses with approval by the academic advisor.

The diversity course and other elective coursework are chosen with approval by the academic advisor. The remaining elective credits must be from the FAS, CDE or SOC prefixes.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- current resume or curriculum vitae
- personal statement of goals relevant to the master's degree program
- two letters of recommendation from professional or academic backgrounds
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement must be four to five pages, double-spaced, and must address the applicant's professional goals, the applicant's strengths that will enable the applicant to succeed in the program, and relevant professional experience or responsibilities to the program.

Letters of recommendation must be from at least two academic or professional sources. Family members or friends do not meet this criterion. Applicants should see the program website for full application deadlines and admission terms and details.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-family-and-human-development/>)

#### Career Opportunities:

Graduates often pursue careers in human, social and government agencies working with children, youth and adults in positions such as:

- caseworker
- children, youth and family services worker
- community engagement specialist
- community support program official
- family support specialist
- human service specialist
- manager
- nonprofit organization administrator
- outreach coordinator

While the information students learn in this program could be beneficial to therapists and counselors, this degree does not enable students to seek licensure as a professional counselor or marriage and family therapist. The completion of an additional program or degree is required to do so.

#### Contact Information:

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu/degree-programs/graduate-programs/family-and-human-development-ms>  
SS 144  
graduatesanford@asu.edu  
480-965-6978

## Family and Human Development, PHD (LAFAMSCPHD)

**Online Degree Search Title:** Family and Human Development, PhD

**Campus:** Tempe

### Program Description:

The PhD program in family and human development is devoted to the study of families, children and youth. The program's research, teaching and service have direct meaning in the lives of children and adults, and for the families and communities in which they live.

The faculty share a common commitment to high-quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

### Degree Requirements:

85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

FAS 503 Academic Professional Development (1)

Electives (40 credit hours)

Other Requirements (26 credit hours)

CDE 531 Theoretical Issues in Child Development (3)

FAS 500 Research Methods (3)

FAS 531 Theoretical Issues in Family Sciences (3)

FAS or CDE 598 Topic: Quantitative Methods in the Social Sciences I (3)

FAS or CDE 598 Topic: Quantitative Methods in the Social Sciences II (3)

FAS or CDE 598 Topic: Quantitative Methods I Lab (1)

FAS or CDE 598 Topic: Quantitative Methods II Lab (1)

two graduate level courses in advanced methods or statistics (6)

one graduate level diversity course (3)

Research (6 credit hours)

FAS or CDE 592 Research (6)

Culminating Experience (12 credit hours)

FAS or CDE 799 Dissertation (12)

Additional Curriculum Information

Postbaccalaureate (for students entering after the bachelor's degree): Of the 85 credit hours for a postbaccalaureate program, six credit hours are dedicated to an empirical project and 12 credit hours are for the dissertation.

Post-master's (for students entering after the master's degree): When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. Of the 55 credit hours of the post-master's degree program, 12 credit hours are for the dissertation.

Electives should be chosen in consultation with and approval of the advisor. Electives may be selected within or outside of the Sanford School. All elective courses must be 500 level or higher.

Substitutions for all courses listed under other requirements may be made per department approval.

For the diversity course requirement, students should refer to the department for a list of approved courses.

For the advanced methods or statistics requirement, students take two courses with content that advances beyond Quantitative Methods I and II.

### Admission Requirements:

Applicants must fulfill the requirements of both the the Graduate College and The College of Liberal Arts and Sciences.  
Academic Catalog Archive 2021-2022

Applicants are eligible to apply to the program if they have a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a resume or curriculum vitae
- statement of goals relevant to the doctoral program
- three letters of recommendation
- verbal, quantitative and analytical GRE scores
- proof of English proficiency

Additional Application Information:

An applicant whose native language is not English must provide proof of English proficiency via a TOEFL score of at least 600 regardless of current residency.

The personal statement must be four to six pages, double-spaced, and address the applicant's professional goals, the applicant's strengths that will enable the applicant to succeed in the program, a detailed description of past research experience, relevant professional experiences or responsibilities, and specific personal research interests. The applicant also must identify two or three faculty members whose research interests match their own and explain why they are good matches.

Three letters of recommendation are required. These must include at least one from an instructor at the applicant's institution where undergraduate or graduate work was completed. The letters should be from people who know the applicant in a professional or academic capacity. Letters from family members or friends do not meet this criterion.

Students should see the program website for full application deadlines.

#### **Career Opportunities:**

Students in this program gain knowledge and skills necessary for promoting healthy individual and family development as they study the factors that promote successful relationships and positive outcomes for individuals, families and communities across the lifespan. Graduates often pursue careers working with children, youth and adults in human, social and government agencies.

Career examples include:

- community support program officials
- government agency administrators and professionals
- instructors
- nonprofit organization administrators
- research professionals

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics

<https://thesanforsschool.asu.edu/degree-programs/graduate-programs/family-and-human-development-phd>

SS 144

graduatesanford@asu.edu

480-965-6978

## **Film and Media Studies, MAS (LAAMPCMAS)**

**Online Degree Search Title:** Film and Media Studies, MAS

**Campus:** Online

#### **Program Description:**

Providing a comprehensive overview of film, television, videogames and other digital media across a range of texts and platforms, the MAS program in film and media studies develops students into more critically informed writers, teachers, storytellers and consumers of popular culture and media. Delivered exclusively online, the program explores the aesthetic, industrial, social and cultural dimensions of U.S. media production within a dynamic, interactive and flexible learning environment.

Graduates of this program are able to analyze current and historic issues in connection with media texts, examine the cultural contexts of media

production, and identify the economic, political, technological and social factors that influence media production and analysis.

**Degree Requirements:**

30 credit hours and a written comprehensive exam.

Required Core (9 credit hours)

FMS 504 Film Analysis (3)

FMS 510 Digital Media Studies (3)

FMS 520 Cultural History of US Television: Theory and Method (3)

Electives (21 credit hours)

Culminating Experience (0 credit hours)

written comprehensive exam (0)

Additional Curriculum Information

The program consists of nine credit hours of core courses, 21 credit hours of electives and a written comprehensive exam. Students should review the webpage and then consult the director.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- letters of recommendation (optional)
- application essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Department of English website for specific details about English proficiency requirements.

The two-page statement of purpose should describe past academic work, reasons for pursuing the Master of Advanced Study, and the skills that prepare the applicant for this degree.

Applicants are asked to write and submit a three-page essay that assesses their knowledge of media theory and critical analysis skills. The subject of the essay is given in the online application. Applicants should demonstrate the ability to write well and construct a persuasive critical argument. Appropriate secondary sources should be used in this essay.

While letters of recommendation are optional, applicants may include two or three letters in their application. Recommenders should be former teachers or supervisors, addressing the applicant's academic performance, motivation and character.

An interview via Skype may be requested before final admission decisions are made.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-american-media-and-popular-culture/>)

**Career Opportunities:**

Media industries are the site of ever-increasing opportunities for graduates. The Master of Advanced Study in film and media studies provides students with a set of valuable skills that lead to numerous employment opportunities in fields including education, academia, journalism, communications, research and media consulting. There is also more need for media studies experts in every major industry, with media presence being a requirement in today's society. Every industry and company has media departments with specialists in media policy, strategy, research,



marketing, social media and branding.

Career examples include:

- archivist
- branding strategist
- educator
- media buyer
- media critic
- media industry journalist
- media researcher
- political media strategist
- producer
- public relations expert
- social media strategist
- teacher

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/masters-film-media>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## French (Comparative Literature), MA (LAFRECLMA)

**Online Degree Search Title:** French Comparative Literature, MA

**Campus:**

This program is not currently accepting applications.

**Program Description:**

The MA in French comparative literature provides students with an opportunity to develop an advanced knowledge of French and of Francophone and other world literatures, histories and major works. Students also develop a sound knowledge of the traditions, aims and methods of scholarly research in the field.

**Degree Requirements:**

30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

Graduate students may take only 500-level courses for graduate credit. At least nine credit hours must be selected from those courses listed exclusively for graduate students. The program must include:

- FRE 500 Research Methods (3)
- two courses in linguistics, civilization or translation, of which one course must be in linguistics
- one course in critical or cultural theory

It is recommended that the candidate enroll in FRE 500 as early as possible.

A minimum of four core courses offered by the French section must be selected from any combination of the following categories:

- Francophone studies courses
- genre courses
- period courses

When approved by the graduate committee, up to six credit hours of related coursework may be taken outside of French.

A student must achieve a grade of "B" (scale is 4.00 = "A") or higher in all work specifically included in the plan of study. Grades below a "C" (2.00) cannot be used to meet the requirements of a graduate degree. No student may accumulate more than one incomplete at any one time.

Independent study courses are given only under exceptional circumstances and do not duplicate courses which are available. The French graduate committee is responsible for authorizing such work in cooperation with the individual professor. No more than three credit hours of independent study is permitted.

Students must complete an applied project.

The written examination for the concentration in comparative literature is administered by the interdepartmental committee for comparative literature and consists of two essay-based components: general concepts of comparative literature and problems of comparative literature.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The writing sample should represent the applicant's thinking as well as writing skills, and it should be written in French on a topic connected with the language or French culture. The writing sample should be approximately five to 10 pages in length.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

**Career Opportunities:**

Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- editors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/french-comparative-literature-ma>  
EDB L1-13  
silc@asu.edu  
480-965-6281

**French (Linguistics), MA (LAFRELINMA)**

**Online Degree Search Title:** French Linguistics, MA

**Campus:**

This program is not currently accepting applications.

**Program Description:**

The MA in French linguistics provides students with the opportunity to develop an advanced knowledge of current linguistic theory as it applies to French as well as a sound grounding in the tools necessary to carry out linguistic research.

**Degree Requirements:**

30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

The plan of study for the master's degree includes:

- an applied project
- a minimum of 30 credit hours of graduate-level work as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department
- in some programs, six credit hours in another language or in closely related courses (when approved by the candidate's supervisory committee)

All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list as agreed upon serves as a guide to prepare for this examination.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in French on a topic connected with the language or French culture; it should be approximately five to 10 pages in length.

**Career Opportunities:**

Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- editors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**

Liberal Arts and Sciences, The College of

School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/french-linguistics-ma>  
LL 440  
silc@asu.edu  
480-965-6281

## French (Literature), MA (LAFRELITMA)

**Online Degree Search Title:** French Literature, MA

**Campus:**

This program is not currently accepting applications.

### Program Description:

The MA program in French literature provides students with an opportunity to develop an advanced knowledge of French and Francophone literature, its history and major works, as well as a sound knowledge of the traditions, aims and methods of scholarly research in the field.

### Degree Requirements:

30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

The plan of study for the master's degree includes:

- an applied project
- a minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department

When approved by the candidate's supervisory committee, six credit hours in another language or in closely related courses may be included in the program.

All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking and writing skills, and it should be written in French on a topic connected with the language or French culture; it should be approximately five to 10 pages in length.

### Career Opportunities:

Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- editors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/french-literature-ma>  
LL 440  
silc@asu.edu  
480-965-6281

## Gender Studies, PHD (LAGSTPHD)

**Online Degree Search Title:** Gender Studies, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in gender studies is part of the nation's first School of Social Transformation. The inclusive gender studies doctoral program empowers tomorrow's community leaders by immersing them in:

- ASU's on-campus Digital Humanities research lab
- creative and critical knowledge production
- deep fluency in feminist theory and practical applications
- publicly engaged academic research
- socially embedded community partnerships

The connections between social locations, community and lived experience are the foundation of the research, teaching and community engagement. Faculty and students explore these intersections from a holistic perspective that goes beyond the classroom.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

WST 601 Critical Concepts of Gender (3)

WST 602 Mapping the Intersections of Gender (3)

WST 603 Engendering Methodology (3)

WST 701 Research Design and Proposal Development in Gender Studies (3)

Elective Coursework in Methodology (6 credit hours)

Elective Coursework in Specialization (12 credit hours)

General Electives (30 credit hours)

Research and Dissertation (24 credit hours)

Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives to reach the required 84 credit hours.

Students should see the academic unit for a complete list of approved electives.

Students must maintain an average GPA of 3.50 (scale is 4.00 = "A") in their courses.

The gender studies doctoral program is designed to provide students with the transdisciplinary training in theory and methods needed to conduct original research and scholarship about gender. Thus, students also take two research methods courses relevant to their dissertation, plus additional courses chosen across faculty's areas of expertise.

Gender, Justice and Social Change --- Courses in this area explore the gender dimension of social structures, institutions and organizations; the processes of social change and community development; and the ways policies and laws can change gender relations. Faculty have expertise in:

- child welfare
- domestic violence
- globalization
- immigration
- labor and employment
- social policy
- sustainability
- transnational feminisms
- women's rights, sexuality and gender equality in the Global South

Health, Science and Technology --- Courses in this area explore the impact of gender on health care, health occupations, science and technology and health, science and technology policy. Faculty have expertise in:

- bioethics
- gender and technology
- health and sexuality
- HIV and AIDS prevention
- adolescent pregnancy and parenting in the Global South

Visual and Narrative Culture --- Courses in this area explore historical and contemporary representations of gender in all genres, including art, literature, popular culture, scientific, medical, historical and legal discourse, and theater and performance. Faculty have expertise in:

- intersections of gender representations with representations of race, sexuality, disability and class
- literature, theatre and performance, film, music and media
- representation as discourse
- affect theory
- literary theory
- performance theory
- queer of color critique

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

The gender studies program welcomes applications from qualified students without regard to race, creed, color, religion, sex or national origin. Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official copies of all undergraduate and graduate transcripts
- resume or curriculum vitae
- statement of purpose
- three letters of reference, preferably from faculty or other researchers
- writing sample (10 to 15 pages)
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students should see the ASU Graduate Admission Services website for mailing addresses and further admission information.

For additional financial information, students should consult the Financial Aid and Scholarship Services website at <https://students.asu.edu/financial-aid> (<https://students.asu.edu/financial-aid>).

**Career Opportunities:**

Graduates of the program have gone on to careers at universities, research and policy institutes, government organizations and nonprofit organizations.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degrees/grad/gender-studies-phd>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

**Gender Studies (certificate), Certificate (LAWSTGRCT)**

**Online Degree Search Title:** Gender Studies (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The graduate certificate program in gender studies offers graduate students the opportunity to enhance their advanced degrees with demonstrated proficiency and knowledge about gender research and theories that they may apply in their own fields.

The certificate is pursued in tandem with any graduate degree program at ASU.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

WST 601 Critical Concepts of Gender (3)

WST 602 Mapping the Intersections of Gender (3)

Electives (9 credit hours)

Additional Curriculum Information

Elective courses may be chosen from other WST graduate courses or from more than 30 approved courses from other departments throughout the university. Other courses may also be used with the graduate director's approval.

Up to six credit hours not used for another ASU degree or certificate can be transferred from another university, with the graduate director's approval. Courses should be recorded on the transfer section of the student's interactive program of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the United States on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The certificate is not offered as a stand-alone, certificate-only program. It is open only for degree-seeking students. However, up to nine credit hours of ASU nondegree credit can be transferred into the program for those who eventually gain admission into an ASU graduate degree program.

Students should see the program website for more information about the certificate and to design coursework.

**Career Opportunities:**

Graduates of the program have gone on to careers at universities, research and policy institutes, government organizations and nonprofit organizations.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/content/gender-studies-grad-certificate>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## Geographic Education, MAS (LAGEOEDMAS)

**Online Degree Search Title:** Geographic Education, MAS

**Campus:** Tempe, Online

ASU is not currently accepting applications for this program.

**Program Description:**

The MAS program in geographic education provides teachers with the opportunity to obtain specialized experience in geographic pedagogy. The degree program is intended for K-12 teachers and is appropriate for both elementary and secondary school teachers.

**Degree Requirements:**

30 credit hours and an applied project.

Required Core (3 credit hours)

COE 501 Introduction to Research and Evaluation in Education (3)

Geography Coursework (24 credit hours)

Culminating Experience (3 credit hours)

DCI 593 Applied Project (3) or

SED 593 Applied Project (3)

Additional Curriculum Information

Students should see the academic unit for an approved course list.

Students are required to have access to a computer with an Internet connection and the capability to view video and animated files with sound, access to email, and access to a word processing program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in education, geography or related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation



- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. One letter must be from a former instructor.

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Geographic Information Science, PHD (LAGISPHD)

**Online Degree Search Title:** Geographic Information Science, PhD

**Campus:** Tempe

#### Program Description:

The PhD program in geographic information science fosters training of next generation scientists and engineers who will excel at theoretical, computational, analytical and technical knowledge in transdisciplinary geospatial sciences.

Students in this doctoral program have the opportunity to conduct research at the Spatial Analysis Research Center alongside world-renowned faculty specializing in remote sensing and earth observation, GIS, geoinformatics, spatial statistics and spatial-temporal analysis. Researchers are investigating a variety of issues, from bikes and bears to voting habits and health crises --- all in an attempt to better understand the "where" and "why" of this complex and changing world.

The program has sufficient flexibility to allow for individual needs and interests, allowing students to create a plan of study that fits their personal, academic and professional goals.

#### Degree Requirements:

Required Core (12 credit hours)

GIS 520 GIScience Issues and Debates (3)

GIS 521 Geographic Information Science Programming (3)

GIS 571 Spatial Statistics for Geography and Planning (3)

GCU 585 Geographic Research Design and Proposal Writing (3)

Electives or Research (55 credit hours)

Remote Sensing (3 credit hours)

Other Requirements (2 credit hours)

GCU 591 or GPH 591 Seminar: Geography Colloquium (2)

Culminating Experience (12 credit hours)

GIS 799 Dissertation (12)

#### Additional Curriculum Information

Students select electives, remote sensing and other requirements seminar coursework in consultation with their academic advisor.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in geography, geology, earth science, computer programming, GIS, environmental science, geomatics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- written statement
- professional resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation should be from academic professionals or professional colleagues capable of evaluating the applicant's abilities, accomplishments and professional potential.

The written statement must address the following questions:

- What area of specialization within GIS do you wish to pursue, and why?
- Describe the aspects of your education that will enable you to pursue this area of specialization.
- What additional training do you feel you can obtain at Arizona State University to realize your education and career goals?

Also in the written statement, applicants should provide any other information (for example: research experience or information which might be drawn from a resume) that they feel the committee should consider in the application for admission.

The written statement should be no longer than two pages. A generic statement, often sent to multiple universities, does not substitute for a statement that addresses the applicant's reasons for applying to this doctoral program in geographic information science.

**Career Opportunities:**

Professionals with expertise in geospatial information science research, theory and practice are in high demand across sectors and industries, including institutions of higher education, consulting firms and government agencies. Skills in geographical data science, mapping and data analysis are valuable to businesses and institutions relying on data-driven approaches to solve complex real-world problems.

Career examples include:

- computer scientist
- conservation scientist
- geoscientist
- geospatial information scientist or technologist

- geospatial intelligence analyst
- remote sensing scientist or technologist

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/>  
 COOR 5th floor  
 SGSUP.gradprograms@asu.edu  
 480-965-8733

**Geographic Information Science (certificate), Certificate (LAGEOGISCE)**

**Online Degree Search Title:** Geographic Information Science (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

Geographic information scientists have the ability to not only map out information but to provide a deeper understanding of the world and the human interactions in it. By combining the disciplines of computer science, statistics and geography, geographic information sciences, experts can help answer the what, where, why and how questions that span areas of interest in many industries.

The geographic information sciences certificate program teaches students the theoretical aspects of GIS, the technical side of the discipline and applications of the science. Students learn how to analyze policy problems and research questions from a spatial lens, acquire and analyze remotely sensed data, and model spatial phenomenon.

Skills in geographic information science and geospatial data analytics offer students market-ready tools for turning novel sources of spatial data into informed practice and prepare students to address issues such as climate change, population growth and aging and active transportation. The certificate program enables ASU graduate students from all disciplines and GIS professionals to learn how to apply GIS concepts and technology to solve complex problems, a valuable skill across multiple disciplines and sectors.

The certificate is intended as either a specialization within an existing master's degree or a stand-alone nondegree program for practicing professionals with a previously earned graduate degree.

**Degree Requirements:**

15 credit hours

Required Core (3 credit hours)

PAF 571 Geographic Information Systems (GIS) and Analysis (3) or

PAF 576 GIS Workshop (3)

Electives (6 credit hours)

Other Requirements (6 credit hours)

ABS 485 GIS in Natural Resources (3)

GIS 521 Geographic Information Science Programming (3)

GIS 561 Fundamentals of Spatial Optimization (3)

GIS 562 Location Analysis and Modeling (3)

GIS 563 Local Statistical Modeling (3)

GIS 571 Spatial Stats for Geography and Planning (3)

GIS 591 Seminar: Data Mining and Data Driven Geography (3)

Additional Curriculum Information

Students select one of the required core courses for a total of three credit hours.

Two of the other requirement courses are selected from the list above for a total of six credit hours; other courses may be substituted with approval from the program director. The program recognizes that other graduate-level courses on GIS are offered at ASU. Advanced courses are often taught in omnibus courses, courses that have rotating content and whose content is not reflected in their titles. Students may include these courses in their certificate curriculum with approval of the program director.

Students select two three-credit hour elective courses for a total of six credit hours in consultation with the program director.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they are currently pursuing a master's degree at ASU or have earned a master's degree and are currently practicing professionals.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

The personal statement must be a one-page letter describing the applicant's overall objective for the GIS certificate program. It should clearly state the applicant's interest in GIS and provide evidence that the certificate will enhance the applicant's education or current employment.

Currently practicing professionals must submit a final transcript from the master's degree-granting institution.

#### **Career Opportunities:**

Professionals with expertise in geospatial information science are in high demand across sectors and industries, including consulting firms, government agencies and community organizations. Skills in geographical data science, mapping and geospatial analysis are valuable to businesses and institutions relying on data-driven approaches to solve complex real-world problems.

Career examples include:

- cartographer or photogrammetrist
- geographic information systems technician
- geospatial information scientist or technologist
- geospatial intelligence analyst
- mapping technician
- remote sensing scientist or technologist

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/giscert>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## **Geographic Information Systems, MAS (LAGISMAS)**

**Online Degree Search Title:** Geographic Information Systems, MAS

**Campus:** Tempe

**Program Description:**

The MAS in geographic information systems is a compact, one-year degree program fostering advanced study in the management and use of GIS technology in public and corporate environments. The degree program meets important educational needs of working professionals and recent college graduates seeking to improve their career standing. The program provides a comprehensive professional program that balances work in the theoretical and technical aspects of GIS with the applications domain. Students are exposed to innovative technology with a focus on building invaluable problem-solving skills, and the opportunity to work on real-world GIS projects.

The program places the focus on location --- the heart of geography and GIS. From that foundation, students learn advanced modeling solutions in GIS and Earth-observing as well as how to integrate computer science, statistics and geography to address a multitude of questions.

Small class sizes ensure quality attention from the faculty, and classes are held in the evening during the week, allowing flexibility for the working professional. The degree is achievable in a one-year time period. A new cohort begins the program each August, with students attending evening classes during the fall and spring semesters. Upon completion of the spring semester, students select a project to complete during a summer eight-week session. Final presentations take place in mid-July, and in fewer than 11 months the degree program is complete.

**Degree Requirements:**

30 credit hours including the required applied project course (GPH 693 or GIS 693).

Required Core (24 credit hours)

GIS 601 Introduction to Geographic Information Systems (2)

GIS 602 Intermediate GIS (2)

GIS 603 Spatial Statistics and Modeling (2)

GIS 604 Implementation in the Corporate and Public Sectors (2)

GIS 605 GIS Project Planning and Implementation (2)

GIS 606 GIS Project Presentation (2)

GIS 610 Programming the GIS Environment (3)

GIS 630 GIS Technologies (3)

GIS 640 GIS for Business (3)

GIS 650 GIS for the Internet (3)

Other Requirement (3 credit hours)

GIS 684 Internship (3)

Culminating Experience (3 credit hours)

GIS 693 Applied Project (3) or

GPH 693 Applied Project (3)

Additional Curriculum Information

Other requirement coursework may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field from a regionally accredited institution or if they demonstrate a minimum of three years related professional experience with a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must prepare a formal, written personal statement regarding relevant academic experience, professional experience and overall interest

in GIS.

Letters of recommendation must be from two people who can attest to the applicant's academic and professional achievements. Letters can be from any combination of current or former instructors, supervisors or professionals currently employed within the GIS or related discipline.

#### **Career Opportunities:**

Professionals with expertise in geospatial information science are in high demand across sectors and industries, including consulting firms, government agencies and community organizations. Skills in geographical data science, mapping and data analysis are valuable to businesses and institutions relying on data-driven approaches to solve complex real-world problems.

Students prepare for careers in private and public industry in which employees with these skill sets are needed for a wide range of positions, such as software developers, GIS analysts, mapping engineers, real estate researchers and more. Additional career examples include:

- cartographer or photogrammetrist
- geospatial information scientist or technologist
- geospatial intelligence analyst
- mapping technician
- software developer
- remote sensing scientist or technologist

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees/master-gis>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## **Geography, MA (LAGEOGMA)**

**Online Degree Search Title:** Geography, MA

**Campus:** Tempe

#### **Program Description:**

The MA in geography program is designed to offer specialized academic and professional training in geography so students may secure a sound graduate background for further specialization or for immediate employment. The program has sufficient flexibility to allow for individual needs and interests, allowing students to create a plan of study that fits their personal and professional goals.

In addition to innovative coursework, the state-of-the-art research centers Spatial Analysis Research Center and Urban Climate Research Center offer students the opportunity to work with exceptional faculty on diverse research projects. Students have the opportunity to work alongside some of the brightest minds in geography, including four members of the National Academy of Sciences and rising talent in the fields of urban heat island research, GIS and more.

Students earning the Master of Arts in geography have the ability to build a path of knowledge that reflects their personal interests within the realms of geography. Students benefit from a wide variety of coursework and research opportunities in four broad interdisciplinary themes that span the expertise of the faculty within the School of Geographical Sciences and Urban Planning:

- computational spatial science
- earth systems and climate science
- place, identities and culture
- sustainability science and studies

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Geography, BA

Geography, BS

Geography (Meteorology-Climatology), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a thesis.

Required Core (6 credit hours)

GCU 529 Contemporary Geographic Thought (3)

GCU 585 Geographic Research Design and Proposal Writing (3)

Other Requirement (2 credit hours)

GCU 591 Seminar: Geography Colloquium (1) or

GPH 591 Seminar: Geography Colloquium (1)

Electives (16 credit hours)

Culminating Experience (6 credit hours)

GCU 599 Thesis (6) or

GPH 599 Thesis (6)

Additional Curriculum Information

Students take the other requirement seminar course twice. Once in each of the first two semesters of the program for one credit hour each. Other coursework may be used with approval of the academic unit

Students select additional elective coursework in consultation with their advisory committee.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement must address three items:\*

- What specialty in geography does the applicant wish to pursue, and why?
- What aspects of the applicant's education (a description is needed) will enable the student to pursue this specialty?
- What additional training does the applicant believe can be obtained at Arizona State University to realize the applicant's educational and career goals?

\*Applicants also should provide any other information they feel should be considered in their application for admission (e.g., research experience or information which might be drawn from the applicant's resume).

Letters of recommendation must be from three faculty members who can attest to the applicant's academic achievements.

**Career Opportunities:**

Professionals with expertise in geographical sciences research, theory and practice are in high demand across sectors and industries, including consulting firms, government agencies, community organizations and public and private research facilities. Skills in geographical data analysis, mapping and climate science are valuable to businesses and institutions relying on research-based approaches to solve complex real-world problems.

Some graduates of the program continue on to pursue doctoral degrees.

Career examples include:

- environmental scientist or specialist
- geographic information systems technician
- geological materials technician
- geophysical data technician
- geoscientist
- geospatial information scientist or technologist

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees/master-geography>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Geography, PHD (LAGEOPHD)

**Online Degree Search Title:** Geography, PhD

**Campus:** Tempe

**Program Description:**

The specialized academic and professional training students receive in the PhD program in geography is sound graduate background for further specialization or for immediate employment. The program has sufficient flexibility to allow for individual needs and interests, allowing students to create a plan of study that fits their personal and professional goals.

In addition to innovative coursework, the state-of-the-art Spatial Analysis Research Center and Urban Climate Research Center offer students the opportunity to work with exceptional faculty on diverse research projects. Students have the opportunity to work alongside some of the brightest minds in geography, including four members of the National Academy of Sciences and rising talent in the fields of climate science, sustainability and environmental science, urban heat island research, GIS and more.

Students in the program have the ability to build a path of knowledge that reflects their personal interests within the realms of geography. Students benefit from a wide variety of coursework and research opportunities in four broad interdisciplinary themes that span the expertise of the faculty within the School of Geographical Sciences and Urban Planning:

- computational spatial science
- earth systems and climate science
- place, identities and culture
- sustainability science and studies

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

GCU 585 Geographic Research Design and Proposal Writing (3)

Electives or Research (58 credit hours)

Other Requirement (11 credit hours)

GCU 529 Contemporary Geographic Thought (3)

GCU 591 Seminar (3)

GPH 591 Seminar (3)



GCU 591 Seminar: Geography Colloquium (1) or  
GPH 591 Seminar: Geography Colloquium (1)

Culminating Experience (12 credit hours)  
GCU 799 Dissertation (12), or  
GPH 799 Dissertation (12)

#### Additional Curriculum Information

Doctoral students entering with a bachelor's degree must complete 84 credit hours. These hours include 72 credit hours of coursework and research at ASU and 12 dissertation credit hours.

Doctoral students entering with a master's degree must complete 54 credit hours. These include 42 credit hours of combined coursework and research hours at ASU and 12 dissertation credit hours.

Coursework and research hours are selected by the student in consultation with an advisory committee.

Students take the other requirement seminar course twice, once in each of the first two semesters of the program for one credit hour each. Other courses may be used with approval of academic unit

Up to six credit hours of 400-level coursework may be applied toward the plan of study.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Incoming students must demonstrate or attain competence in cartography and quantitative methods and complete other basic coursework that will enable them to pursue graduate studies in their area of specialization.

The personal statement must address four items:

- What specialty in geography does the applicant wish to pursue, and why?
- What aspects of the applicant's education (a description is needed) will enable the student to pursue this specialty?
- What additional training does the applicant believe can be obtained at Arizona State University to realize the applicant's educational and career goals?
- Applicants should provide any other information they feel should be considered in their application for admission (e.g., research experience or information which might be drawn from the applicant's resume).

Letters of recommendation must be from three faculty members who can attest to the applicant's academic achievements.

**Career Opportunities:**

Professionals with expertise in geographical sciences research, theory and practice are in high demand across sectors and industries, including institutions of higher education, consulting firms, government agencies, research facilities and community organizations. Skills in geographical data analysis, mapping and climate science are valuable to businesses and institutions relying on research-based approaches to solve complex real-world problems.

Career examples include:

- environmental scientist or specialist
- geographic information systems technician
- geophysical data technician
- geoscientist
- geospatial information scientist or technologist
- postsecondary atmospheric, earth, marine or space sciences teacher

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees/phd-geography>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Geological Sciences, MS (LAGEOSCMS)

**Online Degree Search Title:** Geological Sciences, MS

**Campus:** Tempe

**Program Description:**

The MS program in geological sciences is designed to provide fundamental graduate training in geology. Students are encouraged to cross subject boundaries and pursue new understandings of Earth and the solar system.

Graduates of the program are prepared for further graduate study or for careers in geochemistry, field geology, geomorphology, structure and tectonics, mineralogy and petrology, geophysics, planetary geology, hydrology, volcanology, Earth observation and remote sensing, and related areas, including geoscience education.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (22 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Culminating Experience (6 credit hours)

SES 599 Thesis (6)

Additional Curriculum Information

Substitutions for Other Requirements may be made per department approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants should see the program website for application deadlines.

### **Career Opportunities:**

Professionals with expertise in geological sciences are in high demand across sectors and industries, including remote sensing, natural resource management, data science, economic geology (oil and mining industries), environmental consulting, hazard and risk assessment, geophysics, and planetary science. Coding and numerical modeling skills translate across many domains, even beyond geosciences. Skills in the measurement and analysis of data related to the physics, chemistry and structures of the Earth and of planetary systems are valuable to businesses and institutions relying on data-driven strategies to interact with the planet and explore beyond the Earth.

Career examples include:

- data scientist
- environmental consultant
- GIS or mapping specialist
- materials analyst
- planetary scientist
- research geologist

Some students go onto doctoral programs in the field of geological sciences.

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate/geological-sciences-ms>  
ISTB4 795  
sese-prospectivegrads@asu.edu  
480-965-5081

## **Geological Sciences, PHD (LAGEOSCPHD)**

**Online Degree Search Title:** Geological Sciences, PhD

**Campus:** Tempe

### **Program Description:**

The PhD program in geological sciences is designed to develop creative scholarship in the terrestrial and planetary geosciences. Students are encouraged to cross subject boundaries and pursue new understandings of Earth and the solar system.

The geological sciences doctoral program prepares students for academic and professional careers in geological science fields such as geochemistry, field geology, geomorphology, structure and tectonics, mineralogy and petrology, geophysics, planetary geology, hydrology, volcanology, Earth observation and remote sensing, and related areas, including geoscience education.

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Electives or Research (70 credit hours)

Other Requirements (1 credit hour)

SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)

SES 799 Dissertation (12)

#### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Substitutions for Other Requirements may be made per department approval.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### Career Opportunities:

Professionals with expertise in geological sciences are in high demand across sectors and industries, including remote sensing, natural resource management, data science, environmental consulting, economic geology (oil and mining industries), hazard and risk assessment, geophysics and planetary science. Coding and numerical modeling skills translate across many domains, even beyond geosciences. Skills in the measurement and analysis of data related to the physics, chemistry and structures of earthly and planetary systems are valuable to businesses and institutions that rely on data-driven strategies to interact with the planet and explore beyond the Earth. The doctoral degree in geological sciences is required for careers in post-secondary education and research.

Career examples include:

- data scientist
- environmental consultant
- geologist
- geosciences professor
- instrument builder
- planetary scientist
- program manager
- research scientist

#### Contact Information:

Liberal Arts and Sciences, The College of

School of Earth and Space Exploration

<https://sese.asu.edu/degrees/graduate/geological-sciences-phd>

ISTB4 795

sese-prospectivegrads@asu.edu

480-965-5081

## German, MA (LAGERMMA)

**Online Degree Search Title:** German, MA

**Campus:** Tempe

#### Program Description:

The faculty in the School of International Letters and Cultures offer graduate programs leading to the MA degree with a major in German. Students

admitted to the master's degree program with a major in secondary education may select German as their subject matter field.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (GER 593).

The plan of study for the master's degree includes a minimum of 30 credit hours of graduate-level work and a thesis or an applied project, as approved by the candidate's supervisory committee. The program must include a 500-level bibliography and research methods course offered by the school. When approved by the candidate's supervisory committee, nine credit hours in another language or in closely related courses may be included in the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in German, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Those who lack this background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in German on a topic pertaining to the German language or culture.

**Career Opportunities:**

Professionals with the valued skills developed through this degree can confidently move into academic, business, diplomatic, government, and international fields.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/german-ma>  
EDB L1-13  
silc@asu.edu  
480-965-6281

## Global Health, MA (LASSHMA)

**Online Degree Search Title:** Global Health, MA

**Campus:** Tempe

### **Program Description:**

In this MA program, global health is considered to be much more than and very different from international public health. It emphasizes that major health challenges stem from many factors well beyond disease itself --- factors that are cultural, ecological, evolutionary, historical, institutional, social and technological.

Any effective, sustainable solutions to the most pressing global health challenges need to take all of these factors into account, including the complex ways in which they relate to each other. In this manner, this degree program teaches students to understand health as not simply a product of disease, but rather emerging in the contexts of complex and interrelated ecology, politics, history, culture, social institutions and evolutionary biology. It also places primacy on how to address the broader (i.e., structural, cultural) bases of ill health in complicated, ever-changing health challenges in low-resource community settings and a globalizing world. To do this, the program combines both social and life science theories with on-the-ground research and its application. There is a strong emphasis on collaborative action as key to identifying and addressing global health problems in a sustainable and meaningful way.

Students accepted into the program are tied to ongoing transdisciplinary global health projects that address complicated, multifaceted health challenges that defy easy fixes, such as climate change-related diseases, emerging infectious diseases, and obesity.

By applying a collaborative, problem-solving format, the master's degree program in global health is intended to provide those planning to enter health or related fields (i.e., environmental, social) with the transdisciplinary orientation, team skills and social and cultural acuity that the Pew Health Professions Commission *inter alia* has identified as critical but lacking in current health workforce training. The program also emphasizes experiential learning as a way to gain mastery and requires participation in a global internship program based in one of the international partnering communities.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Health, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours including the required applied project course (SSH 593).

Required Core (3 credit hours)

ASB 510 Health: Social and Biocultural Theories (3)

Open Electives (6 credit hours)

Restricted Electives (6 credit hours)

ASB 580 Practicum (1-6)

ASB 583 Fieldwork (1-6)

ASB 584 Internship (1-6)

Other Requirements (9 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 503 Medical Anthropology (3)

SSH 591 Seminar: Principles of Epidemiology for Global Health (3)

Culminating Experience (6 credit hours)

SSH 593 Applied Project (6)

Additional Curriculum Information

For restricted electives, students complete at least six credit hours from the list above.

Substitutes may be permitted by the graduate director for other requirement and restricted elective coursework. Additional methods-focused courses or graduate-level epidemiology courses can count toward these requirements.

Applied projects are completed in consultation with a faculty advisor. Students may use the fieldwork, internship or practicum experience as part of the research for the applied project.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the social or life sciences (i.e., anthropology, sociology, gender studies, geography, political science), public health or related fields (i.e., nutrition, human biology) from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants may submit with their application materials an optional scholarly writing sample not to exceed 30 double-spaced pages.

Admission is competitive and based on student academic excellence, additional relevant experience, and fit with available faculty. Value is placed on foreign language skills; practical, cross-cultural and international experiences; and prior social science and life science research.

**Career Opportunities:**

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations such as migrants, minorities and those living in poverty, and many of these jobs are directly or indirectly related to health.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/global-health-ma>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

**Global Health, MS (LASSHMS)**

**Online Degree Search Title:** Global Health, MS

**Campus:** Online

**Program Description:**

The MS program in global health in the School of Human Evolution and Social Change exposes students to a comprehensive understanding of the factors that lead to morbidity around the world, including ecological, political, cultural, institutional, historical, evolutionary, social and technological factors. This program seeks to equip students with the necessary skills to create effective, sustainable and culturally-appropriate approaches to prevent, assess and mitigate disease, as well as to assess critically the work of others in their professional environments.

The program helps learners to cultivate professional practice through focus on application of technical knowledge into professional settings by integrating recognized global health competencies.

**Degree Requirements:**

Required Core (6 credit hours)

ASB 504 Global Health Policy (3)

ASM 503 Evolutionary Medicine and Global Health (3)

Restricted Electives (9 credit hours)

ASB 455 Practicum for Social Sciences (3)

ASB 462 Medical Anthropology: Culture and Health (3)

ASB 526 Survey Topics in Global Nutrition (3)

ASB 598 Topic: Maternal and Child Health (3)

ASB 598 Topic: Reproductive Ecology (3)

Electives or Research (12 credit hours)

Other Requirement (3 credit hours)

ASB 584 Internship (3)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

For restricted electives, students complete at least nine credit hours from the list above.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation



- professional resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students who have graduated from programs in anthropology, biology, public health, applied mathematics, statistics, or in a related social science degree may be particularly well-positioned for this program. Applicants with previous degrees in other fields should address in the written statement how their previous studies have prepared them for this program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-global-health-ms/>)

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[globalhealth@asu.edu](mailto:globalhealth@asu.edu)  
480-965-6215

## Global Health, PHD (LASSHPHD)

**Online Degree Search Title:** Global Health , PhD

**Campus:** Tempe

#### Program Description:

The PhD in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

The program is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as the commercial sector, government agencies or nongovernmental organizations.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU, including the 15 medical anthropologists on campus, it also takes advantage of a much wider set of skills offered by experts in such fields as medical sociology, demography, human geography and epidemiology.

Some particular thematic foci of the program are biocultural approaches to human coping, computer-based complexity modeling, culture and health, health in the Americas, and indigenous and minority health, as well as mathematical epidemiology, nutritional anthropology, social justice and vulnerable populations, social networks, and urban and environmental health.

The program draws some 80 faculty members from throughout the university to consider how cutting-edge social science can be applied to understand and substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities.

Students generally enter the program with a master's degree in a relevant field.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ASB 510 Health: Social and Biocultural Theories (3)

Electives (41 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 591 Topic: Professionalism (1)

ASM 579 Proposal Writing (3)

SSH 591 Topic: Principles of Epidemiology for Global Health (3)

systematic methods courses (6)

Research (12 credit hours)

SSH 792 Research (12)

Culminating Experience (12 credit hours)

ASB 799 Dissertation (12)

Additional Curriculum Information

For electives, students should see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology or biostatistics and ethnography should be selected, such as nutrition, survey, archival analysis, demography or geographic information systems.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is to be made up of electives.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Suitable backgrounds for admission include a master's degree in the social sciences (e.g., anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six credit hours of human biology or equivalent at the senior level and also should have some background in statistics or epidemiology.

Applicants may submit with their application materials an optional scholarly writing sample not to exceed 30 double-spaced pages.

### **Career Opportunities:**

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing

- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations, such as migrants, minorities and those living in poverty, and many of these jobs are directly or indirectly related to health.

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/global-health-phd>  
 SHESC 233  
 shesc.grad@asu.edu  
 480-965-6215

**Global Health (Complex Adaptive Systems Science), PHD (LASSHCPHD)**

**Online Degree Search Title:** Global Health (Complex Adaptive Systems Science), PhD

**Campus:** Tempe

**Program Description:**

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

This transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU, including the 15 medical anthropologists on campus, it also takes advantage of a much wider set of skills offered by faculty from such fields as medical sociology, demography, human geography and epidemiology. The program is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as the commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws together some 80 faculty members from across the university to consider how cutting-edge social science can be applied to understand and substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems perspective at Arizona State University and emphasizes the value of a complex adaptive systems science perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ASB 510 Health: Social and Biocultural Theories (3)

Concentration (15 credit hours)

ASM 570 Fundamentals of CAS Science (3)

complex adaptive systems science application course (3)

complex adaptive systems science mathematics course (3)

complex adaptive systems science modeling course (3)  
complex adaptive systems science related research course (3)

Electives (26 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)  
ASB 591 Topic: Professionalism (1)  
ASM 579 Proposal Writing (3)  
SSH 591 Topic: Principles of Epidemiology for Global Health (3)  
systematic methods courses (6)

Research (12 credit hours)

SSH 792 Research (12)

Culminating Experience (12 credit hours)

ASB 799 Dissertation (12)

Additional Curriculum Information

Students should see the academic unit for approved concentration coursework.

For electives, students should see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology or biostatistics and ethnography, such as nutrition, survey, archival analysis, demography, or geographic information system, should be selected.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework will be made up of electives.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and students typically have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should already have completed at least 15 credit hours of social science and six credit hours of human biology, or equivalent, at the senior level and should also have some background in statistics or epidemiology.

Applicants may submit with their application materials an optional scholarly writing sample not to exceed 30 double-spaced pages.

### **Career Opportunities:**

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates

with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations, such as migrants, minorities and those living in poverty, and many of these jobs are directly or indirectly related to health.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/global-health-phd/cass>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## Global Health (Culture and Health), PHD (LASSHCHPHD)

**Online Degree Search Title:** Global Health (Culture and Health), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU, including the 15 medical anthropologists on campus, it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as the commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws together some 80 faculty members from across the university to consider how cutting-edge social science can be applied not only to understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The concentration in culture and health provides focused, specialized training in theories and methods for researching the relationship between culture and health. This concentration utilizes the perspectives of medical anthropology and sophisticated ethnographic methods to study and interpret the role of cultural and social differences in shaping health. Students investigate these methods in the context of the community-based, participatory approaches that tend to promote the most mutually meaningful and lasting health solutions. Graduates are thus particularly prepared for leadership in addressing health disparities in cross-cultural settings and with the most vulnerable populations. This includes very complex, difficult settings where particularly nuanced and sophisticated (often anthropological) understandings of health-related challenges are needed.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ASB 510 Health: Social and Biocultural Theories (3)

Concentration (12 credit hours)

ASB 503 Advanced Medical Anthropology (3)

ESS 513 Institutions (3) or ESS 514 Urban and Environmental Health (3)

SSH 503 Instructional Internship in Global Health (3)

SSH 511 Ethics in Health Social Science (3) or SSH 512 Social Science Applications in Community Health (3) or ASB 502 Applied Medical Anthropology (3)

Electives (26 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 591 Topic: Professionalism (1)

ASM 579 Proposal Writing (3)

SSH 591 Topic: Principles of Epidemiology for Global Health (3)

systematic methods courses (6)

Research (15 credit hours)

ASB 500 Ethnographic Research Methods (3)

SSH 792 Research (12)

Dissertation (12 credit hours)

ASB 799 Dissertation (12)

Additional Curriculum Information

For the concentration coursework, students select ESS 513 or ESS 514, and they also choose one course from SSH 511, SSH 512 or ASB 502.

For electives, students should see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology or biostatistics and ethnography (such as nutrition, survey, archival analysis, demography, or geographic information system) should be selected.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is made up of electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume

- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Suitable backgrounds for admission include a master's degree in the social sciences (i.e, anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology or equivalent at the senior level and should also have some background in statistics or epidemiology.

Applicants may include with their application materials an optional scholarly writing sample not to exceed 30 double-spaced pages.

#### Career Opportunities:

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations (such as migrants, minorities and those living in poverty), and many of these jobs are directly or indirectly related to health.

#### Contact Information:

Liberal Arts and Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
 SHESC 233  
[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)  
 480-965-6215

## Global Health (Evolutionary Global Health Sciences), PHD (LASSHEPHD)

**Online Degree Search Title:** Global Health (Evolutionary Global Health Sciences), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings such as the commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping

- computer-based complexity modeling
- culture and health
- health in the Americas
- Indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws together some 80 faculty members from throughout the university to consider how cutting-edge social science can be applied not only to understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The concentration in evolutionary global health sciences requires training in universal principles of research design (from experiments to systematic qualitative and quantitative description), data analyses, methods (quantitative and qualitative) and anthropological interpretation (or the identification of determinants of the origins and distribution of health phenotypes in past and present human populations). Students choose from a wide range of data collection and inferential tools in order to address specific questions, through a combination of lecture and guided reading courses designed to master the highly diverse literature in evolutionary global health sciences that best pertains to their career goals.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ASB 510 Health: Social and Biocultural Theories (3)

Concentration (12 credit hours)

ASB 503 Medical Anthropology (3)

ASM 560 Human Growth and Development (3)

ESS 513 Institutions (3)

ASM 456 Infectious Disease and Human Evolution (3), ESS 514 Urban and Environmental Health (3), or SSH 514 Urban and Environmental Health, or SSH 591 Topic Principles of Epidemiology for Global Health (3)

Electives (26 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 591 Topic: Professionalism (1)

ASM 579 Proposal Writing (3)

SSH 591 Topic: Principles of Epidemiology (3)

systematic methods courses (6)

Research (15 credit hours)

ASB 500 Ethnographic Research Methods (3)

SSH 792 Research (12)

Culminating Experience (12 credit hours)

ASB 799 Dissertation (12)

Additional Curriculum Information

For the concentration coursework, students choose one course from ASM 456, ESS 514, SSH 514, or SSH 591 Topic: Principles of Epidemiology for Global Health.

For electives, students should see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology or biostatistics and ethnography (such as nutrition, survey, archival analysis, demography or geographic information system) should be selected.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is made up of electives.



**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six credit hours of human biology (or equivalent) at the senior level, and also should have some background in statistics or epidemiology.

Applicants may submit an optional scholarly writing sample, not to exceed 30 double-spaced pages, to be included in their application materials.

**Career Opportunities:**

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program curriculum also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with the appropriate skills to work in cross-cultural settings or with underserved populations (such as migrants, minorities and those living in poverty), and many of these jobs are directly or indirectly related to health.

**Contact Information:**

Liberal Arts and Sciences, The College of  
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[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)  
480-965-6215

**Global Health (Urbanism), PHD (LASSHURPHD)**

**Online Degree Search Title:** Global Health (Urbanism), PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings such as the commercial sector, government agencies and nongovernmental organizations.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU including the 15 medical anthropologists on campus, it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from all across the university to consider how cutting-edge social science can be applied not only to understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research into societies --- from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism as it pertains to the thematic foci of the program. Working with faculty from across a range of departments and programs at ASU, doctoral students are able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

ASB 510 Health: Social and Biocultural Theories (3)

Concentration (15 credit hours)

GCU 516 Principles of Urbanism (3)

built form course (3)

culture and society course (3)

institutions and governance course (3)

natural environment course (3)

Electives (26 credit hours)

Other Requirements (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASB 591 Topic: Professionalism (1)

ASM 579 Proposal Writing (3)

SSH 591 Topic: Principles of Epidemiology for Global Health (3)

systematic methods courses (6)

Research (12 credit hours)

SSH 792 Research (12)

Culminating Experience (12 credit hours)

#### Additional Curriculum Information

Students should see the academic unit for approved concentration coursework.

For electives, students should see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology or biostatistics and ethnography should be selected, such as nutrition, survey, archival analysis, demography, or geographic information system.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is made up of electives.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Suitable backgrounds for admission include a master's degree in the social sciences (e.g., anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology or equivalent at the senior level, and they also should have some background in statistics or epidemiology.

Applicants may submit with their application materials an optional scholarly writing sample not to exceed 30 double-spaced pages.

#### Career Opportunities:

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations such as migrants, minorities and those living in poverty, and many of these jobs are directly or indirectly related to health.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
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[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)  
480-965-6215

## Global Security, MA (LAGSCMA)

**Online Degree Search Title:** Global Security, MA

**Campus:** Online

**Program Description:**

The MA in global security is an interdisciplinary, fully online program designed to aid professional advancement in government, military, nonprofit and private sector careers. Students are trained to critically engage international security issues in a comprehensive manner.

The program is based on four key pillars: enabling innovative strategic thinking; developing analytic tools; supporting critical interdisciplinary engagement; and encouraging flexible and resilient approaches to the inherently complex challenges of current and future global security.

Students may pursue the master's degree from anywhere in the world, study while working full-time or part-time, and may advance at their own pace. The program assists students in gaining a grounded and relevant understanding of major global trends while developing critical analytic skills to improve their capacity to succeed in multiple career paths related to domestic and international security.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Studies, BA
- Political Science, BS
- Political Science, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required capstone course (GSC 550).

Required Core (3 credit hours)

GSC 501 War, Conflict and Security (3)

Electives or Research (24 credit hours)

Culminating Experience (3 credit hours)

GSC 550 Capstone (3)

**Additional Curriculum Information**

For electives or research, students take eight courses from a restricted list for a total of 24 credit hours. Students should contact the academic unit for the approved course list. Other coursework may be used with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the humanities (English, history, etc.); social sciences (anthropology, sociology, political science, etc.); sciences (biology, chemistry, etc.); policy (public administration, etc.); computer science; engineering (all subfields); or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- letters of recommendation
- resume or curriculum vitae
- personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must submit at least one letter of recommendation for admission. Applicants may submit additional letters.

The application requires a two- to three-page personal statement.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-global-security/>)

#### Career Opportunities:

The Master of Arts program in global security assists students in gaining a grounded and relevant understanding of major global trends while developing critical analytic skills to improve their capacity to succeed in multiple career paths related to domestic and international security.

Career area examples include:

- conflict zone and post-war reconstruction
- consulting
- global security intelligence (public and private sector)
- humanitarian and human rights
- policy analysis
- regional affairs
- risk assessment (public and private sector)
- U.S. military advancement

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/degrees/graduate/ma-global-security>  
COOR 6675  
spgs@asu.edu  
480-965-8563

## Global Security (Cybersecurity), MA (LAGSCSECMA)

**Online Degree Search Title:** Global Security (Cybersecurity), MA

**Campus:** Online

#### Program Description:

The cybersecurity concentration is a unique element within the MA program in global security, engaging cyber issues from an interdisciplinary perspective with a focus on global security.

This nontechnical program provides students with relevant and continually updated understandings of the complex risks, threats and modes of protection and response associated with cybersecurity. It's a program more theoretical in nature and uses real-world examples. Students progress at their own pace; it can be completed in one year or in a six-year period. Students may pursue the degree while working full-time or part-time.

This program is designed to prepare students for a rapidly expanding field with a focus on the complex relationship between cybersecurity and global politics. Students learn from top faculty, including global thought leaders, seasoned scholars, and skilled practitioners. Classes integrate case studies, policy exercises and critical thinking, to prepare students for career advancement.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Studies, BA
- Political Science, BA
- Political Science, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic advisor.

departments to apply.

**Degree Requirements:**

30 credit hours including the required capstone course (GSC 550).

Required Core (3 credit hours)

GSC 501 War, Conflict and Security (3)

Concentration (12 credit hours)

GSC 560 Overview of Cybersecurity (3)

GSC 561 Cybersecurity Threats and Trends (3)

GSC 562 Cybersecurity, Global Politics and Resiliency (3)

GSC 563 Cybersecurity Planning and Strategy (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)

GSC 550 Capstone (3)

Additional Curriculum Information

For electives or research, students take coursework from a restricted list for a total of 12 credit hours. Students should contact the academic unit for the approved course list. Other coursework may be used with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the humanities (English, history, etc.); social sciences (anthropology, sociology, political science, etc.); sciences (biology, chemistry, etc.); policy (public administration, etc.); computer science; engineering (all subfields) or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- curriculum vitae or resume
- one letter of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must submit at least one letter of recommendation for admission but may submit additional letters.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Career Opportunities:**

The Master of Arts program in global security with a concentration in cybersecurity assists students in gaining a grounded and relevant understanding of major global trends while developing critical analytic skills to improve their capacity to succeed in multiple career paths related to domestic and international security.

Example career areas include:

- conflict zone and post-war reconstruction
- consulting
- global security intelligence (public and private sector)
- humanitarian and human rights
- policy analysis
- regional affairs
- risk assessment (public and private sector)
- U.S. military advancement

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/degrees/graduate/ma-global-securitycybersecurity>  
COOR 6801  
spgs@asu.edu  
480-965-8563

## History, MA (LAHISTMA)

**Online Degree Search Title:** History, MA

**Campus:** Tempe, Online

**Program Description:**

ASU's MA program in history offers dynamic content that deepens students' knowledge of history while developing their core skills that are applicable in a variety of settings. Students graduate from the program with an enhanced ability in finding and analyzing information, planning and organizing projects, and writing and speaking effectively.

The master's degree program offers studies in North American, European, public and global-comparative history, and it provides students with opportunities for professional development through colloquia, internship experiences and conference attendance.

Graduates with a Master of Arts degree in history will have acquired advanced historical thinking skills, as well as skills employers consistently identify as highly valuable, including effective oral and written communication, critical thinking and problem-solving.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

History, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (HST 593), or 30 credit hours including the required capstone course (HST 597).

Required Core (9 credit hours)

HST 640 Historical Methods (3)

Pick two from the following:

HST 502 Public History Methodology (3)

HST 641 North American History (3)

HST 643 Global History (3)

HST 644 Area Studies in History (3)

Electives (12 credit hours)

Other Requirements (3 or 6 credit hours)

HST 591 Seminar (3) or (6)

Culminating Experience (3 or 6 credit hours)

HST 593 Applied Project (3) or

HST 597 Capstone (3) or

HST 599 Thesis (6)

**Additional Curriculum Information**

There are two options for the master's degree program in history, the thesis option (for in-person students only) and the nonthesis option. The thesis option requires 30 total credit hours of coursework, including six credit hours of HST 599 Thesis, three credit hours of HST 591 Seminar and 21 credit hours of coursework. The nonthesis option requires 30 total credit hours, including three credit hours of HST 593 Applied Project or HST 597 Capstone, six credit hours of HST 591 Seminar and an additional 21 credit hours of coursework.

For elective coursework, students should refer to the unit for a list of approved courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program. The most competitive applicants have a GPA of 3.30 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The history program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in history.

The statement of purpose should be addressed to the history admission committee and should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, and why the applicant wants to pursue graduate study at ASU (about 500 words in length). It is not necessary to specify a research topic, but if an applicant has one in mind, they should include it in the statement of purpose.

The writing sample may be an article (it may be published or unpublished), a research paper or any other extended sample of expository writing no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-history/>)

**Career Opportunities:**

The Master of Arts program in history provides students the fundamental training needed for careers in research, teaching, public history, government service and a host of other positions in the public, private and nonprofit sectors. Program graduates serve as first-rate historians, highly qualified teachers at the elementary, secondary levels, community colleges, researchers and consultants, archivists, Foreign Service officers, management professionals, community organizers and public servants.

Career examples include:

- archivist
- business executive
- college instructor
- diplomat
- editorial and publishing professional
- K-12 school teacher
- museum director and staff
- nonprofit director
- research professional

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/ma-history-ma>  
COOR 4595



## History, PHD (LAHISTPHD)

**Online Degree Search Title:** History, PhD

**Campus:** Tempe

### Program Description:

The PhD program in history offers outstanding opportunities for graduate study in North American, European, public and global-comparative history. The School of Historical, Philosophical and Religious Studies' world-class faculty members deliver courses and individualized mentoring in a wide range of historical topics. Moreover, doctoral history students are strongly encouraged to take advantage of the numerous collaborative opportunities that exist throughout the university in ASU's many innovative schools and centers.

Students pursuing the doctorate cultivate a strong background in the historical research methodology and scholarly analysis needed to develop expertise in a chosen historical subject area and receive preparation for competitive careers.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

#### Required Core (16 credit hours)

HST 502 Public History Methodology (3)

HST 640 Historical Methods (3)

HST 641 North American History (3)

HST 643 Global History (3)

HST 644 Area Studies in History (3)

HST 682 Advanced Research Skill (1)

#### Electives and Research (44 credit hours)

#### Other Requirement (12 credit hours)

HST 591 Seminar (6)

HST 792 Research (6)

#### Culminating Experience (12 credit hours)

HST 799 Dissertation (12)

#### Additional Curriculum Information

In general, all credit hours must be at the 500 level or above (graduate credit for 400-level courses must be approved in advance and documented in the student's file).

The doctoral program requires a minimum of 84 credit hours and may be completed in four to five years. Students with a master's degree may apply 30 credit hours toward the 84 required credit hours with approval of the academic unit and the Graduate College. If the student does not already have a master's degree in a related field, then the remaining 30 credit hours are made up of electives and research to reach the 84 credit hours required for the doctoral program.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program. The most competitive applicants have a GPA of 3.30 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- statement of purpose
- resume or curriculum vitae
- writing sample

- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The history program requires a TOEFL score of at least 600 (PBT) or 90 (iBT). A student whose native language is not English also must submit a copy of an article or research paper in the student's native or principal research language in addition to the English writing sample required of all students.

Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in history. Letters of reference should be submitted by the recommenders in addition to the electronic reference form they are asked to complete.

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007; the department code may be left blank or entered as 0000.

The statement of purpose is to be addressed to the history admission committee and should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, the proposed research specialization, and why the applicant wants to pursue graduate study at ASU; it should be about 500 words in length.

The writing sample, either published or unpublished, may be an article, a research paper, or any other extended sample of expository skill no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

#### Career Opportunities:

By emphasizing foundational skills in research, writing and communication, the doctoral program in history provides students the fundamental training needed for careers in research, archival work, higher education, teaching, public history, government service and a host of other positions in the public, private and nonprofit sectors. Graduates serve as first-rate historians, highly qualified instructors and professors at two-year schools and universities, researchers and consultants, archivists, foreign service officers, management professionals, community organizers and public servants.

Career examples include:

- archivist
- diplomat
- editorial and publishing professional
- K-12 school teacher
- museum director and staff
- nonprofit director
- research professional
- university professor

#### Contact Information:

Liberal Arts and Sciences, The College of  
 Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/phd-history--phd>  
 COOR 4595  
 SHPRSGradInfo@asu.edu  
 480-965-5778

## History and Philosophy of Science, PHD (LAHPSCIPHD)

**Online Degree Search Title:** History and Philosophy of Science, PhD

**Campus:** Tempe

#### Program Description:

The history and philosophy of science is an interdisciplinary field that traces its origin to foundational works such as Thomas Kuhn's "Structure of Scientific Revolutions." The field is based on the idea that the best way to understand science is to study how it changes over time, along with careful analysis of its concepts and fundamental principles.

The PhD program in history and philosophy of science combines training in the core areas of history and philosophy of science with an emphasis on interdisciplinary studies of the sciences, including:

- computational history and philosophy of science

- foundations of evolutionary theory
- general philosophy of science and epistemology
- history and philosophy of applied ethics and science policy
- history of 19th and 20th century biology

The program is especially appropriate for students with an undergraduate or master' degree in philosophy, history or the sciences, and for those who seek to broaden their disciplinary studies. Science students who have not taken relevant undergraduate humanistic core courses can make these up during their first years in the program.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

HPS 615 Biology and Society Lab (3)

HPS 620 Research Prospectus Writing (3)

Restricted Program Electives (30 credit hours)

Program Electives (24 credit hours)

Research (12 credit hours)

HPS 792 Research (12)

Dissertation (12 credit hours)

HPS 799 Dissertation (12)

Additional Curriculum Information

An individual student program is developed in consultation with the student's advisor and committee.

HPS 615 Biology and Society Lab is a one credit hour course focused on student presentations of works-in-progress. Students must register for it three times during their graduate study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution of recognized standing in a related field such as history, philosophy, or history and philosophy of science as well as a demonstrated background and interest in one or more sciences.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

A doctorate in history and philosophy of science provides strong preparation for academic careers at every level from community colleges to research universities, including research, teaching and administration, and science communication. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies responsible for management and conservation, and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- principal investigators and policymakers in government labs and nonprofit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools
- wildlife, animal and conservation scientists

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/history-philosophy-science-phd>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

## Immigration Studies (certificate), Certificate (LAIMMSTUCE)

**Online Degree Search Title:** Immigration Studies (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

The immigration studies graduate certificate program provides students with a holistic understanding of the historical, current and long-term causes and consequences of international migration as well as relevant professional and research training opportunities.

The objective of the certificate program is to offer traditional academic training through coursework, research and the practical experience of working with local immigrant and refugee communities.

The program prepares graduates for future study in graduate and professional schools or for careers as immigration practitioners and advocates in nongovernmental organizations, local and federal government agencies as well as in other private and public institutions serving immigrant and refugee communities.

**Degree Requirements:**

15 credit hours.

All students are required to take one core course, three approved elective courses on immigration, and three credit hours of a culminating experience (either an internship or a research project). Students are to contact the school for a list of approved courses.

Students may do an internship with Phoenix-based, nongovernmental organizations or government agencies that provide services to immigrants and refugees. Such internships give students professional training and actual experience working with immigrant and refugee communities. Students are required to write a report describing the organization and their experience as interns.

Students may enroll in three credit hours of research with a faculty member in order to do an independent research project. They must write a substantial research paper based on field research in a local immigrant community, on library and archival research or on readings on an immigration topic.

Certificate students may choose to specialize in humanities, Mexican and Latino immigrants in the U.S., or social sciences.

Given the nature of the immigration courses offered at ASU and the preponderance of Latino immigrant communities in the Phoenix area, the program emphasizes Latino immigration. However, students have the opportunity to take broader courses focusing on global migration and other immigrant groups as well as work with local Asian or Southeast Asian immigrants and refugee communities.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count toward their master's degree, with the approval and consent of the degree-granting program.

All requirements for the certificate program should be completed within a three year time limit with a minimum cumulative GPA of 3.00 (scale is 4.00 = "A"). Students who require more time to finish the program, because of their part-time status or lack of desirable or available courses, must obtain approval from the executive committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants may submit an optional scholarly writing sample with their application materials; the sample is not to exceed 30 double-spaced pages.

#### Career Opportunities:

The demand in the job market is high for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data on human thought and human behavior.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- directing nonprofit organizations
- directing programs in the private or public sector

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change

<https://shesc.asu.edu>

SHESC 233

[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)

480-965-6215

## Indigenous Education, MA (LAIEDMA)

**Online Degree Search Title:** Indigenous Education, MA

**Campus:** Online

#### Program Description:

The MA program in Indigenous education provides students with advanced training in research, theory and practice related to both Indigenous education, broadly defined, as well as the process of schooling. The main audiences for this degree are those working in Indian education, those working for tribal nations with education programs, and those interested in Indigenous education.

internationally, nationally and across ASU campuses, students have access to a wealth of additional resources at the master's degree level, which allow them to develop a final project that best fits their specific professional aspirations.

**Degree Requirements:**

30 credit hours including the required capstone course (IED 585).

Required Core (9 credit hours)

IED 501 Critical Indigenous Research Methodologies (3)

IED 502 Indigenous Knowledges in Education (3)

IED 503 Current Issues in Indigenous Education (3)

Other Required Courses (15 credit hours)

IED 510 History of Indigenous Education (3)

IED 530 Language/Literacy-Indig People (3)

IED 535 Community-based Participatory Action Research (3)

SST 520 Learning Technologies in Native Education (3)

SST 530 Culture and Education (3)

Research (3 credit hours)

IED 592 Research (3)

Culminating Experience (3 credit hours)

IED 585 Capstone (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as history, education, anthropology, sociology, ethnic studies, justice studies or political science, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- example of writing
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A selection committee, comprised of faculty members, selects candidates based on application materials and the applicant's ability to succeed.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/indigenous-education-ma/>)

**Career Opportunities:**

Graduates of the master's program can pursue careers in education, government or nonprofit organizations. Graduates can also work as researchers or policy analysts at educational policy centers, K-12 schools and universities, and within community-based organizations.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation

<https://sst.asu.edu/degree/graduate/ma-indigenous-education>

EDB 302

[sstgraduate@asu.edu](mailto:sstgraduate@asu.edu)

## Infant Family Practice, MAS (LACDEMAS)

**Online Degree Search Title:** Infant - Family Practice, MAS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### Program Description:

This self-contained, accelerated MAS program in infant-family practice provides high-quality coursework and supervised internship experiences designed to train professionals to work in prevention and intervention programs serving families with infants, toddlers and preschool-age children.

Coursework prepares students for professional endorsement of the Infant-Toddler Mental Health Coalition of Arizona's endorsement for culturally sensitive, relationship-based practice promoting infant mental health.

### Degree Requirements:

30 credit hours and a portfolio.

Required Core (12 credit hours)

Practicum (9 credit hours)

Other Requirements (6 credit hours)

Research (3 credit hours)

### Additional Curriculum Information

The Master of Applied Science in infant-family practice requires successful completion of a minimum of 30 credit hours and an applied project, including required coursework and an internship in a community placement approved by the faculty of the master's degree program in infant-family practice. Internships are expected to last approximately 12 months.

Students must meet the expectations of the agency supervising their internship.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field such as counseling, psychology, and family and human development.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a personal statement
- three letters of recommendation
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals familiar with the applicant's academic background.

GRE scores are not required for this program.

### Career Opportunities:

There are many career paths available to graduates with this degree. A few examples are:

- child abuse prevention
- child welfare

- early childhood education and child care administration
- early intervention
- family support
- home visiting
- infant and early childhood mental health

**Contact Information:**

Liberal Arts and Sciences, The College of  
 Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu/>  
 SS 144  
 graduatesanford@asu.edu  
 480-965-6978

**International Affairs and Leadership, MA (LAIALMA)**

**Online Degree Search Title:** International Affairs and Leadership, MA

**Campus:** Online

**Program Description:**

The MA program in international affairs and leadership prepares students for international leadership roles in a dynamic learning environment led by senior international affairs professionals from the public and private sectors.

The program offers a unique blend of leadership capacity development --- both theory and practice --- as well as substantive training focused on U.S. foreign policy decision-making, national security, international trade, human rights issues, and other key global issues. Courses are taught by experts with real-world experience, from former U.S. ambassadors to three-star generals, with the goal of readying students to become leaders in the international affairs realm.

**Degree Requirements:**

30 credit hours including the required applied project course (IAL 560).

Required Core (9 credit hours)

- IAL 501 Principles of Character-driven Leadership (3)
- IAL 502 The Making of U.S. National Security Policy (3)
- IAL 503 Applied International Leadership: Case Studies (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

- IAL 560 Capstone (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of intent
- professional resume
- writing sample
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

GRE or GMAT results are not required but can be submitted as an additional application material.



Applicants should have a deep-rooted interest in international issues of the future and a desire to influence them through character-driven leadership within the context of an increasingly complicated, globalized world. Ideal candidates are those who have previous leadership experience and who plan to devote their careers to working with other cultures and nations across a variety of sectors. While an ideal candidate has previous experience traveling or living overseas and has previously studied a language other than English, also welcome are candidates with no prior experience in these areas. Both international and domestic students are encouraged to apply.

Using the letter of intent, applicants should narrate their own leadership journeys as well as their motivations for further studies in the areas of international affairs and leadership. The letter of intent should describe applicants' academic and professional interests to date, their definitions of character-driven leadership, their reasons for pursuing a master's degree in international affairs and leadership, and how this advanced degree relates to their specific future goals.

The application review panel also reviews the applicant's writing skills. Successful applicants must be able to tell a concise, coherent story about their past experiences and future goals.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/international-affairs-master-degree/>)

#### **Career Opportunities:**

This program prepares students to succeed in a wide variety of international affairs professions, including:

- business operations specialist
- career civil servant or contractor at the U.S. State Department, U.S. Department of Commerce or U.S. Treasury or Defense Department
- foreign service officer
- international political economist
- military officer or noncommissioned officer in strategic, special or tactical operations
- nonprofit or NGO analyst or program coordinator
- permanent staff for a member of Congress or Congressional committee
- public policy analyst
- U.S. government intelligence community policy analyst or program manager

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies

<https://spgs.clas.asu.edu/degrees/graduate/ma-intl-affairs-leadership>

COOR 6801

[spgs@asu.edu](mailto:spgs@asu.edu)

480-965-8563

## **Justice Studies, MS (LAJUSSTMS)**

**Online Degree Search Title:** Justice Studies, MS

**Campus:** Tempe

#### **Program Description:**

The MS program in justice studies is an innovative, interdisciplinary program that prepares students to work, research, and advocate on behalf of social justice. Students study a wide range of topics at the local, national and international levels, gaining the training needed to analyze social, economic, cultural, political and legal inequalities and promote pathways to more just societies.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Justice Studies, BS

Justice Studies, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (JUS 593).

Required Core (12 credit hours)

JUS 500 Justice Research Methods (3)  
JUS 501 Justice Theory (3)  
JUS 509 Statistical Problems in Justice Research (3)  
JUS 521 Qualitative Data Analysis and Evaluation (3)

Electives (12 credit hours)

Research (0-3 credit hours)  
JUS 592 Research (3)

Culminating Experience (3-6 credit hours)  
JUS 593 Applied Project (3) or  
JUS 599 Thesis (6)

#### Additional Curriculum Information

Each student's program is developed in concert with the advisory committee. The required foundation courses provide students with a fundamental understanding of the theories, methods and analytic techniques associated with the study of justice.

To satisfy the thesis requirement for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's advisory committee. Students in this option are not required to take JUS 592 Research.

Students who elect to complete the applied project option will have to enroll in three credit hours of JUS 592 Research prior to enrolling in JUS 593 Applied Project. Candidates pursuing the applied project option must present their applied project and defend it in an oral examination conducted by the faculty member who supervises the project and the graduate programs director or designated representative. The applied project typically includes a brief literature review to identify the nature of the issue or problem and a description of the methodology used and, if relevant, of the program studied, followed by an analysis.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Information regarding acceptable proof of English proficiency can be found via the Graduate Admission Services webpage:

<https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Applicants should visit the School of Social Transformation's Master of Science in justice studies webpage for further details on the listed application requirements and application deadlines.

GRE testing is not required for admission.

Mailing addresses and further admission information are available on the ASU Graduate Admission Services website.

Application requirements vary for the accelerated justice studies 4+1 program. Undergraduate students majoring in justice studies who are interested and eligible for this accelerated graduate program should contact the academic unit, to schedule an appointment with a graduate advisor prior to submitting an application. Further details about the accelerated justice studies 4+1 program can be found on the School of Social Transformation webpage.

**Career Opportunities:**

Graduates of the Master of Science program in justice studies are prepared to work in justice-related organizations, teach in community colleges, pursue doctoral programs, and research in the justice field.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/graduate/ms-justice-studies--ms>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

**Justice Studies, PHD (LAJUSSTPHD)**

**Online Degree Search Title:** Justice Studies, PhD

**Campus:** Tempe

**Program Description:**

The PhD in justice studies at the nation's first School of Social Transformation invites all qualified applicants.

The diverse community of scholars unites students and faculty across academic boundaries to strategically create social change that is democratic, inclusive and just. The interdisciplinary doctoral program in justice studies prepares future scholars and change agents to address complex social problems and become tomorrow's leaders.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Juris Doctor, JD

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

JUS 620 Justice Research Methodology (3)

JUS 640 Theoretical Perspectives on Justice (3)

Other Requirement (3 credit hours)

JUS 630 Data Analysis for Justice Research (3) or

JUS 650 Advanced Qualitative Data Analysis (3) or

SST 691 Topic: Qualitative Methods for Qualitative Researchers (3)

Culminating Experience (12 credit hours)

JUS 799 Dissertation (12)

Additional Curriculum Information

For the other requirement course, students may take JUS 630, JUS 650, SST 691 or other methods course at ASU approved by the JSI graduate director.

Students entering the doctoral program with a master's or JD degree may complete a minimum of 54 credit hours for the program. In addition to the requirements listed above, coursework will include 15 credit hours of elective classroom hours (nine of which must have a JUS prefix) and 18 credit hours comprised of any combination of additional elective courses, reading and conference or research.

Students entering the doctoral program without a master's or Juris Doctor degree are required to complete 84 credit hours. In addition to the requirements listed above, the coursework will include 12 credit hours of 500-level foundation courses, 24 credit hours of elective classroom hours (15 of which must have a JUS prefix) and 27 credit hours comprised of any combination of additional electives courses, reading and conference or research.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation (academic references are preferred)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement should be one-and-a-half to two pages, double-spaced, outlining areas of interest, educational and career goals, and the writing sample should be 10 to 15 pages and should discuss the research that best represents the applicant's academic thinking and writing skills.

The PhD/JD option allows qualified students to earn a Juris Doctor from ASU's Sandra Day O'Connor College of Law while simultaneously earning a transdisciplinary doctoral degree in justice studies. Students must apply separately to both programs. Applicants should contact the Sandra Day O'Connor College of Law for their requirements.

#### **Career Opportunities:**

Graduates of the doctoral program in justice studies are prepared to work in justice-related organizations, teach in community colleges and universities, and research in the justice field.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/graduate/phd-justice-studies--phd>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## **Language Teaching, MA (LALANTCHMA)**

**Online Degree Search Title:** Language Teaching, MA

**Campus:** Tempe

#### **Program Description:**

The MA program in language teaching prepares both current and aspiring language teachers with the tools they need to effectively teach languages in the secondary schools and in higher education. This new program helps ASU meet local, regional and national needs, and it provide professional development to practicing language teachers in K-12, community colleges or at the university level.

Teachers in Arizona who are interested in continuing their professional development in both language pedagogy and language proficiency can pursue this degree. Teachers receive training in teaching methodologies, second language acquisition, heritage language pedagogy, computer-assisted language teaching, applied linguistics, and the teaching of literature and culture. In addition, this program may also interest other individuals who wish to become highly proficient bilinguals.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- French, BA
- German, BA
- Spanish, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours including an applied project (SLC 593).

Required Core (3 credit hours)

SLC 596 Second Language Methodologies (3)

Track (9 credit hours)

Other Requirements (12 credit hours)

Electives (3 credit hours)

Culminating Experience (3 credit hours)

SLC 593 Applied Project (3)

Additional Curriculum Information

Tracks available for students to select from are French, German or Spanish. Students should see their academic unit for approved track coursework. Students select coursework in consultation with their committee chair.

Other requirement coursework may be substituted with approval of the academic unit.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a foreign language, applied linguistics, linguistics, literature, education or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- two letters of recommendation
- proof of target language proficiency
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement should be no more than two pages, single-spaced, and should discuss how the educational background and experiences have prepared the applicant for this graduate program. The applicant should also describe why they are interested in pursuing this master's degree and how it fits their career goals.

Proof of target language proficiency is accepted by an audio or video submission of a two-minute self-introduction.

### **Career Opportunities:**

Professionals with this degree can confidently move into academic and business fields. Language skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as business, government and public administration careers.

Career examples include:

- adult basic and secondary education and literacy teachers and instructors
- foreign language and literature teachers and professors
- high school teachers
- instructional coordinators
- instructional designers and technologists
- interpreters and translators
- middle school teachers
- reporters and correspondents

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu>  
EDB L1-13  
silc@asu.edu  
480-965-6281

## Linguistics (certificate), Certificate (LALINGUICE)

**Online Degree Search Title:** Linguistics (Graduate Certificate)

**Campus:** Tempe

### Program Description:

This transdisciplinary graduate certificate program in linguistics offers students in several fields the opportunity to gain an understanding of the ways that languages are structured, how they are acquired and how they vary over time, space, social distance and situational contexts.

The skills acquired through the completion of the core courses for this certificate include analytical abilities, critical thinking, effective communication and problem-solving. In addition, the knowledge acquired in the areas of discourse analysis and pragmatics makes students aware of the necessity to use appropriate registers and styles when creating written documents or oral presentations to different audiences.

### Degree Requirements:

18 credit hours.

Required Core Areas (9 credit hours)

discourse analysis and pragmatics (3)

phonology (3)

syntax (3)

Electives (9 credit hours)

Additional Curriculum Information

The electives may be chosen from fields such as applied linguistics, educational linguistics, natural language processing, second language acquisition and sociolinguistics. The electives are determined by the student in consultation with a faculty advisor.

Prerequisite: Students must have completed an introductory course in linguistics taken at the upper-division or graduate level. They should consult the certificate program director for advice.

All certificate coursework must be completed with an average grade of "B" or higher (3.00 on a 4.00 scale).

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should visit the Department of English website for specific details about English proficiency requirements.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Once the online application has been submitted, the applicant should send a copy of unofficial transcripts, a one- to two-page, well-considered

statement of purpose detailing the student's background and reasons for wanting to do the linguistics certificate, and a resume to the department email address with the subject line: Linguistics Certificate Application.

To be considered for admission, an applicant must have taken an introductory course in linguistics at the upper-division or graduate level. Applicants must also show proof of a formal knowledge of a foreign language, equivalent to two years of study at the university level or plans to fulfill the language requirement concurrently with certificate courses. The language requirement may be met by completion of courses through the second-year level (four semesters) at ASU or elsewhere, or by completion of an upper-division language course with an average of "B" or better (3.00 on a 4.00 scale) for all such coursework (200 or 300 level), or through an examination that indicates placement above the 200 level. Language placement tests are available online at the Language Placement Policies and Tests webpage on the School of International Letters and Cultures website. If this requirement is not already fulfilled at the time of application, candidates must demonstrate completion of this requirement at the end of their certificate coursework in order for their certificate to be granted.

#### **Career Opportunities:**

A graduate certificate in linguistics can serve as an important stepping stone for individuals interested in gaining a better understanding of linguistics, perhaps as a way to have an edge in their careers or to explore the field before applying to a master's or doctoral degree program.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/node/239>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## **Linguistics and Applied Linguistics, MA (LALINMA)**

**Online Degree Search Title:** Linguistics and Applied Linguistics, MA

**Campus:** Tempe

#### **Program Description:**

The MA program in linguistics and applied linguistics focuses on the study of human language and the application of that study to the human condition.

At the master's degree level, the program provides foundational training in several interdisciplinary areas, including discourse analysis, Indigenous American linguistics, language and cognition, language contact and change, language revitalization, language planning, phonetics, phonology, pragmatics, second language acquisition, second-language teaching and learning, semantics, sociolinguistics, syntax, teaching English to speakers of other languages, World Englishes, and professional practices.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English (Linguistics), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

30 credit hours including a foreign language exam and a thesis, or 30 credit hours including a foreign language exam and the required applied project course (LIN 593 or APL 593).

Required Core (3 credit hours)

LIN 515 American English (3) or

LIN 516 Pragmatics and Discourse Analysis (3)

General Linguistics Track (6 credit hours)

LIN 511 Phonetics and Phonology (3)

LIN 514 Syntax (3)

Applied Linguistics Track (6 credit hours)

LIN 511 Phonetics and Phonology (3) or LIN 514 Syntax (3)

LIN 520 Second-Language Acquisition Theories (3) or APL 601 Introduction to Applied Linguistics (3)

Electives (12-15 credit hours)

Research (3 credit hours)

LIN 501 Approaches to Research (3)

Culminating Experience (3-6 credit hours)

LIN 599 or APL 599 Thesis (6)

LIN 593 or APL 593 Applied Project (3)

Additional Curriculum Information

Students choose one of the two tracks in either general linguistics or applied linguistics.

Electives are restricted based on the student's chosen track. For the general linguistics track, one of the electives must be a 600-level course from the approved course list.

Students who select the thesis option take 12 credit hours of electives. Applied project students select 15 credit hours of electives.

Students must demonstrate evidence of a competent knowledge of a natural language other than modern English, to be selected by the student, subject to the approval of the chair of the thesis committee or the director of the applied project. This requirement may be met by:

- earning a "B" or better (3.00 on a 4.00 scale) in a 400- or 500-level course in an appropriate (approved) language course
- demonstrating comparable proficiency by taking a language examination, administered by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- demonstrating native-speaker proficiency, as determined by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- earning a "B" or better (3.00 on a 4.00 scale) in both ENG 530 Old English and ENG 531 Old English Literature or their equivalent
- holding a bachelor's degree in an approved foreign language
- two years (four semesters) of successfully completed college-level coursework (completed no more than six years prior to admission to the degree program) at least at the 100 and 200 levels with a "C" or better (scale is 4.00 = "A") for languages which the School of International Letters and Cultures does not offer or does not offer above the 200 level

Any course in which all class meetings are conducted in the approved language satisfies the requirement for a "B" or better in a 400- or 500-level course in an appropriate language; courses conducted in English do not satisfy the requirement. Also satisfying the requirement are GER 550 German for Reading Knowledge, FRE 550 French for Reading Knowledge, SPA 550 Spanish for Reading Knowledge, and ITA 550 Italian for Reading Knowledge. The Department of English does not require its graduate students to write papers in the approved language.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in such related fields as anthropology, applied linguistics, communication, cognitive science, comparative languages and literatures, literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religious studies, rhetoric, composition, sociology, or speech and hearing science from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Department of English website for specific details about English proficiency requirements.

Successful completion of at least one upper-division course in linguistics, language study or a related topic is required.

The one-page, single-spaced statement of purpose should explain the applicant's background in language study, reasons for wanting to do graduate work in linguistics, and plans for the future.



**Career Opportunities:**

Graduates with research expertise in linguistics and applied linguistics work in a variety of professional contexts around the globe, including academia, government, business, health care, legal settings, the private sector, nongovernmental organizations, advertising, marketing and publishing. Many graduates also go on to pursue PhD degrees in linguistics, applied linguistics and many other fields and disciplines such as education, speech and hearing sciences, law, information technology, computer science, communication and anthropology.

Career examples include:

- accent coach
- computer programmer
- data analyst
- foreign service worker
- language consultant or language documentation expert
- language program director or coordinator
- language teacher
- lexicographer
- materials designer and developer
- program and curriculum developer
- teacher trainer
- writer or editor

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/degrees/grad/masters-applied-linguistics>  
RBHL 125  
enggrad@asu.edu  
480-965-3194

## Linguistics and Applied Linguistics, PHD (LALINPHD)

**Online Degree Search Title:** Linguistics and Applied Linguistics, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in linguistics and applied linguistics focuses on the study of human language and the application of that study to the human condition.

Students in this program select a research specialization in formal linguistics, applied linguistics or some combination of these areas. The curriculum provides professional training in linguistics and applied linguistics with focused research in several areas, including discourse analysis, Indigenous American linguistics, language and cognition, language contact and change, language planning, language revitalization, phonetics, phonology, pragmatics, second language acquisition, second language teaching and learning, semantics, sociolinguistics, syntax, teaching English to speakers of other languages, World Englishes and professional practices.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a foreign language exam, a prospectus and a dissertation.

Required Core (18 credit hours)

APL 555 Disciplinary Discourses (3)

APL 601 Introduction to Applied Linguistics (3)

LIN 511 Phonetics and Phonology (3)

LIN 514 Syntax (3)

LIN 515 American English (3) or LIN 516 Pragmatics and Discourse Analysis (3)

LIN 655 Advanced Disciplinary Discourses in Linguistics and Applied Linguistics (3)

Electives and Research (24 credit hours)

LIN 501 Approaches to Research (3)

specialization (21)

Culminating Experience (12 credit hours)

LIN 799 or APL 799 Dissertation (12)

#### Other Requirements (30 credit hours)

If students do not have a previously awarded master's degree, then 30 credit hours is made up of additional elective coursework which must include LIN 510, if they have not previously taken it or its equivalent. The electives must be approved by their supervisory committee.

#### Additional Curriculum Information

Students must demonstrate evidence of a competent knowledge of a natural language other than modern English, to be selected by the student and subject to the approval of the chair of the dissertation committee. The language requirement must be completed before the student is eligible to take the doctoral examinations. This requirement may be met by any of the following:

- earning a "B" or higher (3.00 on a 4.00 scale) in a 400- or 500-level course in an appropriate (approved) language
- demonstrating comparable proficiency by taking a language examination, administered by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- demonstrating native-speaker proficiency, as determined by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- earning a "B" or higher (3.00 on a 4.00 scale) in both ENG 530 Old English and ENG 531 Old English Literature or the equivalent of each
- holding a bachelor's degree in an approved foreign language
- having fulfilled a foreign language requirement toward a previously awarded master's degree that was completed within five years of the semester for which the student was admitted to the doctoral program
- two years (four semesters) of successfully completed college level coursework (no more than six years prior to admission to the degree program) at least at the 100 and 200 levels with a "C" or better, for languages which the School of International Letters and Cultures does not offer or does not offer above the 200 level

The foreign language requirement must be in a language approved by the student's doctoral supervisory committee.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Department of English website for specific details about English proficiency requirements.

Undergraduate degrees in such related fields as anthropology, applied linguistics, communication, cognitive science, comparative languages and literatures, literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religious studies, rhetoric, composition, sociology, or speech and hearing science will be considered.

The one- to two-page, single-spaced statement of purpose should explain how the applicant's experience and training have prepared them for the program. It should also indicate career goals and explain how these goals relate to the graduate program in linguistics and applied linguistics. Applicants applying for funding must also submit a statement of teaching philosophy. Students should see the Department of English website for specific details.

#### Career Opportunities:

Graduates with research expertise in linguistics and applied linguistics work in a variety of professional contexts, such as academia, government, business, health care, legal settings, publishing, the private sector and nongovernmental organizations.

Career examples include:

- computer-assisted language learning aka CALL expert
- data analyst

- forensic linguist
- language documentation expert
- language-learning app developer
- language policy expert
- language program director or coordinator
- language researcher
- linguistic consultant
- program and curriculum developer or consultant
- publisher
- teacher trainer
- university professor

**Contact Information:**

Liberal Arts and Sciences, The College of  
 Department of English  
<https://english.asu.edu/degrees/grad/doctor-philosophy-linguistics-applied-linguistics>  
 RBHL 125  
 enggrad@asu.edu  
 480-965-3194

## Marriage and Family Therapy, MAS (LAMFTMAS)

**Online Degree Search Title:** Marriage and Family Therapy, MAS

**Campus:** Tempe

**Program Description:**

This self-contained, accelerated MAS program in marriage and family therapy provides high-quality coursework and supervised internship experiences that meet the degree requirements for licensure in the State of Arizona for the practice of marriage and family therapy as determined and laid out by the Arizona Board of Behavioral Health Examiners. The degree requirements are specified by the board and the program is designed to train practitioners who wish to practice marriage and family therapy.

**Degree Requirements:**

39 credit hours and a master's research paper.

The master's degree program in marriage and family therapy requires the successful completion of a minimum of 39 credit hours and a project, including required coursework and completion of 300 client-contact hours in a community internship placement approved by the master's degree in marriage and family therapy faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 (scale is 4.00 = "A") in all coursework and satisfactorily meet the expectations of the agency supervising their internship.

Students are required to have a vehicle and a valid Arizona driver's license for internship placement.

An internship entrance examination is held at the end of the first 7.5-week semester to determine student readiness for internship placement.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field, such as counseling, psychology, and family and human development, among others.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a personal statement
- resume
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Letters of recommendation must be from three people who know the applicant in a professional or academic capacity. Family members and friends do not meet this criterion.

Students should refer to the program's website for detailed information on admission requirements.

**Career Opportunities:**

There are many career paths available to students pursuing this degree. A few examples are:

- genetic counselor
- psychologist
- rehabilitation counselor
- school and career counselor
- social and community service manager
- social and human service assistant
- social worker
- substance abuse, behavioral disorder, and mental health counselor

**Contact Information:**

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanforsschool.asu.edu/degree-programs/graduate-programs/marriage-and-family-therapy-mas>  
SS 144  
graduatesanford@asu.edu  
480-965-6978

## Mathematics, MA (LAMATHMA)

**Online Degree Search Title:** Mathematics, MA

**Campus:** Tempe

**Program Description:**

The MA program in mathematics is designed to increase mathematical knowledge beyond the traditional level of a bachelor's degree in order to prepare students for careers requiring sophisticated mathematical skills. Students may choose to specialize in applied mathematics, core mathematics, mathematics education or statistics through their course selections.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computational Mathematical Sciences, BS

Mathematics, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and 2 written comprehensive exams, or 30 credit hours and a portfolio, or 30 credit hours, a thesis and a written comprehensive exam.

Required Core (3 credit hours)

APM 505 Applied Linear Algebra (3) or APM 506 Computational Methods (3) or MAT 543 Abstract Algebra I (3) or MAT 570 Real Analysis I (3)

Electives (21-27 credit hours)

Culminating Experience (0-6 credit hours)

MAT 599 Thesis (6)

portfolio (0)

two written comprehensive exams

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics or a closely related field from a regionally accredited institution as well as completed coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

### **Career Opportunities:**

The Master of Arts program in mathematics is designed to prepare students for careers requiring sophisticated mathematical skills that may be applied to many different sectors, including education, industry and government.

Potential career opportunities include:

- finance and investment analyst
- mathematician
- mathematics professor or instructor
- operations research analyst
- statistician

Students also may pursue graduate study in mathematics or statistics in preparation for an academic career.

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/degrees/graduate/mathematics-ma>  
WXLR A216  
grad.math@asu.edu  
480-965-3951

## **Mathematics, PHD (LAMATHPHD)**

**Online Degree Search Title:** Mathematics, PhD

**Campus:** Tempe

### **Program Description:**

The PhD program in mathematics is intended for students with superior mathematical ability. The program emphasizes a solid mathematical foundation and promotes creative scholarship in mathematics and its many related disciplines. The School of Mathematical and Statistical Sciences has very active research groups in analysis, number theory, geometry and discrete mathematics.

### **Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

MAT 501 Geometry and Topology of Manifolds I (3) or

MAT 516 Graph Theory I (3) or

MAT 543 Abstract Algebra I (3) or

MAT 570 Real Analysis I (3)

Other Requirements (3 credit hours)

MAT 591 Seminar (3)

Electives (24-39 credit hours)

Research (27-42 credit hours)

MAT 792 Research

Culminating Experience (12 credit hours)

MAT 799 Dissertation (12)

Additional Curriculum Information

Electives are to be chosen from math or related area courses approved by the student's supervisory committee.

Students must pass:

- two qualifying examinations
- a written comprehensive examination
- an oral dissertation prospectus defense

Students should see the department website for examination information.

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Additional eligibility requirements include competitiveness in an applicant pool as evidenced by coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371), and it is desirable that applicants have scientific programming skills.

### **Career Opportunities:**

The doctoral program in mathematics is designed to prepare students for careers requiring sophisticated mathematical skills that may be applied to many different sectors, including education, industry and government. Potential career opportunities include:

- faculty-track academic
- finance and investment analyst
- mathematician
- mathematics professor, instructor or researcher
- operations research analyst
- statistician

### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Mathematical and Statistical Sciences

<https://math.asu.edu/degrees/graduate/mathematics-phd>

WXLR A216

## Mathematics Education, PHD (LAMTEPHD)

**Online Degree Search Title:** Mathematics Education (Mathematics and Statistics Dept - Grades 9-20), PhD

**Campus:** Tempe

### Program Description:

This transdisciplinary PhD program in mathematics education accommodates students from a variety of academic backgrounds. It provides students with a solid foundation in graduate-level mathematics as well as research skills and perspectives that allow them to deal broadly with mathematics problems of:

- curriculum
- learning
- teaching
- technology

Conducting individual and collaborative research in the learning and teaching of mathematics is an integral part of the program.

### Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)

MTE 501 Research in Undergraduate Mathematics Education I (3)

MTE 502 Research in Undergraduate Mathematics Education II (3)

MTE 503 Research in Undergraduate Mathematics Education III (3)

MTE 504 Research in Undergraduate Mathematics Education IV (3)

Electives (42 credit hours)

Area Courses (12 credit hours)

Research (6 credit hours)

MTE 792 Research (6)

Culminating Experience (12 credit hours)

MTE 799 Dissertation (12)

Additional Curriculum Information

Four to five graduate-level (500 and above) elective courses from mathematics, cognitive science, psychology, educational technology, philosophy or research should be taken as approved by the advisor.

For the area courses, students are required to take four graduate-level courses from the following areas of interest: mathematics, applied mathematics, or statistics. Students should see the academic unit for the approved course list.

Students should see the school's website for information about qualifier and comprehensive examinations based on math coursework.

The doctoral dissertation culminating experience consists of a dissertation prospectus, oral dissertation defense and the submission of a final revised, formatted dissertation document to the Graduate College. Dissertations are composed under chair and committee supervised research including literature review, research, data collection and analysis, and writing.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is made up of electives and research.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics or a closely related area, with exceptionally high grades in advanced coursework in mathematics, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- writing sample
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Additional eligibility requirements include competitiveness in an applicant pool as evidenced by the required GRE scores.

At least two of the letters of recommendation must be from faculty.

#### **Career Opportunities:**

Graduates of the doctoral program in mathematics education have opportunities in Arizona, the US and internationally, typically at research universities and liberal arts colleges, community colleges, and education consulting firms and in positions such as:

- faculty-track academic
- education consultant or analyst
- mathematics professor, instructor or researcher

#### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Mathematical and Statistical Sciences

<https://math.asu.edu/degrees/graduate/mathematics-education-phd>

WXLR A216

grad.math@asu.edu

480-965-3951

## **Medieval Studies (certificate), Certificate (LAMEDSTCE)**

**Online Degree Search Title:** Medieval Studies (Graduate Certificate)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

#### **Program Description:**

The certificate program in medieval studies prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them better equipped to meet the demands of their fields.

#### **Degree Requirements:**

18 credit hours, or 27 credit hours.

Medieval Latin:

one semester (three or four credit hours) for students at the master's degree level, two semesters (six to eight credit hours) for doctoral students

proficiency attested either by achieving a grade of "B" (3.00 on a 4.00 scale) or better in the Medieval Latin courses or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies at the University of Toronto (the requirement presupposing two years or 12 to 16 credit hours or equivalent of undergraduate training in Latin)

Medieval vernacular language (e.g., Old English, Old Norse, Old French):

two semesters (six credit hours) for students at the master's degree level, three semesters (nine credit hours) for doctoral students

Paleography:

one semester (three credit hours)

Medieval coursework outside the major discipline:



two semesters (six credit hours) for students at the master's degree level, three semesters (nine credit hours) for doctoral students

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students in good standing who are enrolled in an existing master's or doctoral degree program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The Graduate College requires a TOEFL score of at least 550 (PBT) or 80 (iBT).

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://www.acmrs.org/>  
COOR 4432  
acmrs@asu.edu  
480-965-8097

## Microbiology, MS (LAMICROMS)

**Online Degree Search Title:** Microbiology, MS

**Campus:** Tempe

**Program Description:**

The MS program in microbiology is designed to prepare students for careers in bacteriology, virology, mycology, immunology and oncology in academic institutions, government agencies or commercial entities.

Students receive advanced training in the study of microbes and their impact on humankind, disease and the environment. They use tools ranging from nanotechnologies and genomics to mathematical models and satellite-based imaging. Students receive training in both teaching and basic, translational and use-inspired research with world-class faculty and collaborative research partners. Faculty members are associated with the School of Life Sciences, The Biodesign Institute, The Translational Genomics Institute, Barrow Neurological Institute, and other area hospitals and research centers.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Biomedical Sciences), BS
- Biological Sciences (Conservation Biology and Ecology), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Microbiology, BS
- Microbiology (Medical Microbiology), BS
- Molecular Biosciences and Biotechnology, BS
- Neuroscience, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core (3 credit hours)

MIC 501 Foundations in Microbiology (3)

Electives and Research (21 credit hours)

Culminating Experience (6 credit hours)

MIC 599 Thesis (6)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Prior research experience is a desired qualification for admission.

**Career Opportunities:**

Professionals with tailored research training in specific directions, including microbial physiology, environmental microbiology, evolution and ecology, immunology, virology, and various aspects of modern molecular genetics are in demand for diverse sectors.

Career examples include:

- environmental scientists and specialists (including health)
- lab managers in academic and industrial labs
- medical and clinical laboratory technologists
- microbiologists in diverse sectors including food service and health care industry
- natural sciences managers
- research technicians in academic and industrial labs

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences

<https://sols.asu.edu/degrees/grad/microbiology-ms>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

**Microbiology, PHD (LAMICROPHD)**

**Online Degree Search Title:** Microbiology, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in microbiology offers a dynamic research environment; a broad range of basic, translational and use-inspired research areas; cutting-edge transdisciplinary training; and opportunities to work with world-class faculty and collaborative research partners committed to training scientific leaders with skills necessary for addressing significant global microbiological problems and challenges.

Faculty members are associated with the School of Life Sciences, The Biodesign Institute, The Translational Genomics Institute, Barrow Neurological Institute, and other area hospitals and research centers.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (4 credit hours)

BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)

MIC 501 Foundations in Microbiology (3)

Electives or Research (68 credit hours)

Culminating Experience (12 credit hours)

MIC 799 Dissertation (12)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Prior research experience is a desired qualification for admission.

**Career Opportunities:**

This program provides intense and interactive educational and research training that prepares students for advanced careers in research and education, specifically in bacteriology, virology, mycology, immunology and oncology at universities and colleges, government agencies and industry.

Career possibilities are diverse with opportunities in academic organizations, research and development industries, government service, and other professional organizations.

Career examples include:

- instructors in universities and colleges
- principal investigators in government labs and nonprofit organizations
- professors in universities and colleges
- research associates in universities
- research scientists in industry

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degrees/grad/microbiology-phd>  
LSA 181  
sols.grad@asu.edu  
480-965-1768

## Molecular and Cellular Biology, MS (LACELLMS)

**Online Degree Search Title:** Molecular and Cellular Biology, MS

**Campus:** Tempe

**Program Description:**

The MS program in molecular and cellular biology focuses on the fundamental molecular events at the core of all life. It encourages interdisciplinary, innovative, world-class research, allowing students to choose from a diverse range of research and training opportunities that extend beyond the traditional boundaries of biological research.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Biomedical Sciences), BS
- Biological Sciences (Conservation Biology and Ecology), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Microbiology, BS
- Molecular Biosciences and Biotechnology, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core (9 credit hours)

MCB 555 Advanced Molecular and Cellular Sciences (6)

MCB 556 Advanced Molecular and Cellular Biology II (3)

Electives or Research (7 credit hours)

Other Requirements (8 credit hours)

MCB 501 Seminar: Molecular and Cellular Biology Colloquium (4)

BIO 543 Molecular Genetics and Genomics (3)

BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)

Culminating Experience (6 credit hours)

MCB 599 Thesis (6)

Additional Curriculum Information

Students are required to take MCB 501 each semester they are registered. If a student is registered for more or fewer than four semesters, the research hours and MCB 501 hours may be adjusted accordingly to reach 30 credit hours.

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Research experience is a desired qualification.

### **Career Opportunities:**

A master's degree in molecular and cellular biology provides strong preparation for academic careers from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies, and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- instructors at community colleges
- researchers and technicians in government labs and non-profit organizations
- science teachers in elementary and high schools

### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/degrees/grad/molecular-cellular-biology-ms>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## **Molecular and Cellular Biology, PHD (LACELLPHD)**

**Online Degree Search Title:** Molecular/Cellular Biology, PhD

**Campus:** Tempe

### **Program Description:**

The PhD program in molecular and cellular biology prepares students for careers that cross traditional disciplinary boundaries.

It provides a diverse range of research and training opportunities for doctoral students interested in pursuing a transdisciplinary approach to their studies that extends beyond the traditional boundaries of biological research. Participating faculty members and researchers are drawn from multiple departments, colleges, centers and institutes across the university, including:

- Department of Chemistry and Biochemistry
- Department of Psychology
- New College of Interdisciplinary Arts and Sciences
- School of Biological and Health Systems Engineering
- School for Engineering of Matter, Transport and Energy
- School of Human Evolution and Social Change
- School of Life Sciences
- School of Mathematical and Statistical Sciences

Participating faculty members are also based at partner institutions in the greater Phoenix area, including:

- Barrow Neurological Institute
- Carl T. Hayden Veteran's Administration Medical Center
- Mayo Clinic in Arizona
- Translational Genomics Research Institute
- University of Arizona College of Medicine-Phoenix.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

MCB 555 Advanced Molecular and Cellular Sciences (6)

MCB 556 Advanced Molecular and Cellular Biology II (3)

Electives or Research (51 credit hours)

Other Requirements (12 credit hours)

BIO 543 Molecular Genetics and Genomics (3)

BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)

MCB 701 Seminar: Molecular and Cellular Biology Colloquium (8)

Culminating Experience (12 credit hours)

MCB 799 Dissertation (12)

Additional Curriculum Information

Courses listed as other requirements may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Research experience is a desired qualification.

**Career Opportunities:**

A doctoral degree in molecular and cellular biology provides strong preparation for academic careers at every level from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies, and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- principal investigators in government labs and non-profit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences

<https://sols.asu.edu/degrees/grad/molecularcellular-biology-phd>

LSA 181  
sols.grad@asu.edu  
480-965-1768

## Museum Studies, MA (LAMUSSTMA)

**Online Degree Search Title:** Museum Studies, MA

**Campus:** Tempe

### Program Description:

The MA program in museum studies examines how museums produce and reflect culture and examines the role museums play worldwide.

Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They also gain practical experience while being encouraged to challenge preconceived notions about museums and the way museums affect and are affected by societies and cultures. Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

### Degree Requirements:

30 credit hours and a portfolio.

Required Core (3 credit hours)

ASB 579 Critical Issues in Museum Studies (3)

Electives and Research (18)

ASB 592 Research (6)

other electives and research (12)

Other Requirements (9)

ASB 500 Research Methods (3) or ASB 572 Museum Collection Management (3)

ASB 584 Internship (6) OR ASB 584 Internship (3) and ASB 580 Practicum (3)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

For a complete list of approved elective and research courses, students should contact the school.

Internship (ASB 584) and Practicum (ASB 580) must be approved by their supervisory committees, usually in a museum setting or museum quality collection or archive related to their chosen area of study: anthropology, art history, theory and criticism or public history.

Other courses may be substituted for ASB 500 as an equivalent course with academic unit approval.

On completion of the internship, students must submit a journal or portfolio about the internship and skills acquired.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

The demand in the job market is for people with the skill set to analyze a broad range of data on human thought and human behavior. There is a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- directing nonprofit organizations
- directing programs in the private or public sector

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/degrees/museum-studies-ma>  
SHESC 233  
shesc.grad@asu.edu  
480-965-6215

## Museum Studies (certificate), Certificate (LAMUSEUMCE)

**Online Degree Search Title:** Museum Studies (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

In the museum studies certificate program, students examine how museums produce and reflect culture and they examine the role museums play worldwide.

Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They gain practical experience while being encouraged to challenge preconceived notions about museums and the way they affect and are affected by societies and cultures. Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

**Degree Requirements:**

18 credit hours.

Required Core (3 credit hours)

ASB 579 Critical Issues in Museum Studies (3)

Electives (9 credit hours)

Other Requirements (6 credit hours)

ASB 580 Practicum (3) and ASB 584 Internship (3) OR

ASB 584 Internship (6)

Additional Curriculum Information

Certificate students may choose to specialize in areas such as anthropology, art history and public history.

For a complete list of approved elective and research courses, students should contact the school.

Internship (ASB 584) and Practicum (ASB 580) must be approved by their supervisory committees, usually in a museum setting or museum-quality collection or archive related to their chosen area of study: anthropology, art history, theory and criticism or public history.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program, with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count toward their master's degree, with the approval and consent of the degree-granting program.



All requirements for the certificate program should be completed within a three-year time limit with a minimum cumulative GPA of 3.00 (scale is 4.00 = "A"). Students who require more time to finish the program (because of their part-time status or lack of desirable or available courses) must obtain approval from the executive committee.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

For information on spring admission, students should contact the School of Human Evolution and Social Change.

Disclosure information about this U.S. Department of Education Gainful Employment program is available at <https://catalog.asu.edu/files/disclosures/LAMUSEUMCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LAMUSEUMCE/Gedt.pdf>).

**Career Opportunities:**

The demand in the job market is high for people with a skillset to analyze a broad range of data on human thought and human behavior. There is a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- directing nonprofit organizations
- directing programs in the private or public sector

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.grad@asu.edu](mailto:shesc.grad@asu.edu)  
480-965-6215

**Nanoscience, PSM (LANANPSM)**

**Online Degree Search Title:** Nanoscience, PSM

**Campus:** Tempe

This program is not currently accepting applications.

**Program Description:**

The PSM in nanoscience is a cohesive program of transdisciplinary courses that provide the knowledge base required for research and innovation in nanoscience. The program incorporates courses in:

- chemistry and biochemistry
- electrical engineering
- materials science
- physics

Commercial innovation is a particular target goal of the degree, including applications in:

- biochemistry and sensing technology
- biophysics and biomedical technology
- nanomaterials and nanoscale devices

The Professional Science Master's degree program in nanoscience is suitable for working professionals as well as for students who have obtained a traditional bachelor's degree or master's degree in related fields.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biochemistry, BS
- Biochemistry (Medicinal Chemistry), BS
- Chemistry, BS
- Materials Science and Engineering, BSE
- Physics, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

32 credit hours including the required applied project course (NAN 593).

Required Core (5 credit hours)

NAN 505 Nanoscience and Society (2) or NAN 506 Innovation and IP Management (2)

NAN 571 Quantum Physics (3) or NAN 544 Introduction to Nanoscience (3)

Electives or Research (15 credit hours)

Other Requirements (6 credit hours)

NAN 591 Professional Seminar (6)

Culminating Experience (6 credit hours)

NAN 593 Applied Project (6)

Additional Curriculum Information

Students must take either NAN 505 or NAN 506. Students may also take the other course as an elective.

Students with a physical science or engineering background should take NAN 571 Quantum Physics and students with a biochemistry or life sciences background should take NAN 544 Introduction to Nanoscience.

The program includes a two-semester, student-centered professional seminar in which emerges the central role of the program as a vehicle for innovation. During the spring semester and summer session, students conduct an individual applied project in association with a research group. Throughout the program, students interact with research faculty and other students in a variety of disciplines related to nanoscience. Students also meet with visiting speakers and industrialists in the professional seminar as well as in other seminars.

If taken full time, the PSM in nanoscience can be completed in 12 months (fall semester, spring semester and two eight-week summer sessions). Another option is the two-year, part-time program which allows prospective students and their employers flexibility in scheduling the program of study.

Students should see the academic unit for a complete list of approved electives. Many of the requisite elective courses are currently offered within the Department of Physics and the Department of Chemistry and Biochemistry. Most are cross-listed with other units.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics, chemistry or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- two letters of recommendation
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. TOEFL scores or equivalent are required for applicants whose native language is not English.

The personal statement should outline the applicant's research interests and why the applicant wants to apply to the Professional Science Master's degree program.

GRE scores are not required but are taken into consideration if submitted.

Letters of recommendation should be from individuals familiar with the applicant's work or studies relevant to the program.

**Career Opportunities:**

Nanoscale science and engineering are having an increasing impact on many aspects of daily life and the opportunities for careers are rapidly expanding. In areas as diverse as designing medical diagnostic devices to building better batteries, from creating cosmetics to enhancing energy efficient windows, from auto and plane manufacturing to researching the nature of matter itself, knowledge of nanoscale science and engineering will be increasingly important during upcoming years and decades.

The highly technical field of nanotechnology and nanoscience is always looking for scientists, engineers and technicians. Career examples include:

- applications engineer
- biotechnologist
- forensic scientist
- instrument development engineer
- manufacturing engineer
- market development manager
- materials scientist
- mechanical or electrical engineer
- medical engineer
- microscopist
- optical engineer
- research scientist
- technical program manager

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of Physics

<https://physics.asu.edu/degrees/graduate/psm-profesional-masters-degree-nanoscience>

PSF 470

[nanoscience@asu.edu](mailto:nanoscience@asu.edu)

480-965-3561

**Natural Science (Geological Sciences), MNS (LANATSCIMN)**

**Online Degree Search Title:** Geological Sciences, MNS

**Campus:** Tempe

**Program Description:**

The School of Earth and Space Exploration participates in the program leading to the MNS in geological sciences. This transdisciplinary degree program is designed to meet the needs of professionals seeking a graduate-level degree. The program is especially suited for individuals who desire professional training rather than research training.

The program offers the opportunity for transdisciplinary graduate training in the natural sciences (i.e., biological sciences, mathematics and physical sciences) and cognate areas. Because it is flexible by design, the program also offers the opportunity for individualized professional graduate programs depending upon the backgrounds and goals of the students. The program must be transdisciplinary; students are expected to emphasize coursework in two or more areas of specialization.

**Degree Requirements:**

30 credit hours and an applied project (SES 593).

Required Core (1 credit hour)

SES 502 Exploring SESE Research (1)

Other Requirements (19 credit hours)

SES 501 SESE Colloquium (1)

GLG or SES courses (18)

Electives or Research (4 credit hours)

Culminating Experience (6 credit hours)

SES 593 Applied Project (6)

Additional Curriculum Information

Other requirement coursework includes SES 501 and 18 credit hours of GLG or SES graduate-level courses. Exceptions and substitutions may be allowed with approval of the academic unit.

The supervisory committee is chosen by the student in conjunction with the advisor. The composition of the supervisory committee must reflect the transdisciplinary nature of the program. The student develops a suitable applied project with the approval of the supervisory committee.

Students must submit a plan of study after conferring with the supervisory committee. While a minimum of 30 credit hours is required for the degree, more credit hours may be required by the supervisory committee, depending upon the background of the student and the nature of the proposed program.

In some cases, undergraduate courses may be required to remove deficiencies.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:**

Professionals with expertise in geological sciences are in high demand across sectors and industries, including remote sensing, natural resource management, data science, environmental consulting, hazard and risk assessment, geophysics and planetary science. Skills in the measurement and analysis of data related to the physics, chemistry and structures of earthly and planetary systems are valuable to businesses and institutions relying on data-driven strategies to interact with the planet and explore beyond the Earth.

Career examples include:

- geologist
- high school teacher
- science communication expert
- science writer and science journalist

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/degrees/graduate/geological-sciences-mns>  
ISTB4 795  
sese-prospectivegrads@asu.edu  
480-965-5081

## Natural Science (Physics), MNS (LAPHYSMNS)

**Online Degree Search Title:** Physics, MNS

**Campus:** Tempe

**Program Description:**

The MNS program in physics provides transdisciplinary graduate training in physics, physical science or physics education. The program is especially suited for in-service high school science teachers who desire professional training rather than pursuit of a research-based degree.

Designed for flexibility, the curriculum also features individualized professional graduate programs. These programs are well suited to the backgrounds and goals of students. Students are expected to emphasize coursework in two or more areas of concentration. The program must be transdisciplinary.

**Degree Requirements:**

30 credit hours including the required applied project course (PHS 593).

The graduate advisor and the student suggest three faculty members who reflect the transdisciplinary nature of the program to serve on the supervisory committee which, upon the recommendation of the chair of the Department of Physics, is appointed by the vice provost for the Graduate College soon after the student has been admitted to the degree program.

After conferring with the student, the supervisory committee recommends the plan of study. The committee may require additional coursework to ensure proficiency, depending upon the student's background and the nature of the proposed program. In some cases, undergraduate courses may be required to overcome deficiencies.

Teachers may enroll in these courses in order to earn credit toward recertification or to pursue a Master of Natural Science degree. These courses are held during the summer. Depending on teacher interest, they may be offered at other times. For some courses, the prerequisites are two semesters of trigonometry-based college physics and an introductory calculus course.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited institution. The program is open to in-service high school teachers who have completed two semesters of college physics and an introductory calculus course. Under-prepared teachers can make up deficiencies in regularly scheduled courses. Students must be able to attend classes in-person at the Tempe campus.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- two letters of recommendation
- personal statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals familiar with the applicant's work or studies relevant to the natural science program.

Conditions for admission are the availability of resources for the proposed program and a Department of Physics faculty member designated to serve as a graduate advisor.

#### **Career Opportunities:**

The Master of Natural Science program in physics is for high school science teachers who desire to further their professional training rather than research training.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Physics  
<https://physics.asu.edu/degrees/graduate/master-of-natural-science>  
PSF 470  
physics.grad@asu.edu  
480-965-3561

## **Neuroscience, PHD (GCBMENPHD)**

**Online Degree Search Title:** Neuroscience, PhD

**Campus:** Tempe

#### **Program Description:**

Neuroscience involves the study of the nervous system and its relation to an organism's function. It encompasses how gene and nerve networks interact with the environment throughout an organism.

Students integrate several levels of analysis --- molecular, cellular, systems, behavioral and cognitive --- to investigate basic, translational and clinical questions about the relationship between the brain and behavior. The program may be tailored to meet students' specific professional goals.

The PhD program in neuroscience integrates aspects of graduate-level training from many different units on campus as well as from the program's partner institutions distributed across the greater Phoenix area. Partner institutions include Barrow Neurological Institute, Translational Genomics Research Institute, University of Arizona College of Medicine and Sun Health Research Institute.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (11 credit hours)

BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)

NEU 555 Advanced Molecular and Cellular Sciences (6)

NEU 556 Human Systems Neuroscience (4)

Electives or Research (55 credit hours)

Other Requirements (6 credit hours)

NEU 558 Neuroscience Journal Club (3)

NEU 591 Seminar (3)

Culminating Experience (12 credit hours)

NEU 799 Dissertation (12)

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Regular admission may be granted to applicants who have achieved a GPA of 3.00 (scale is 4.00 = "A") or better in the last two years of work leading to a bachelor's degree and who are competitive in the applicant pool as evidenced by letters of recommendation. Particular attention is paid to research experience and overall preparation in problem-solving abilities as evidenced by previous coursework and research experiences.

Because this program draws on an extremely broad range of disciplinary backgrounds in recruiting students, there is no specific set of undergraduate course requirements other than those implied by the degree requirements described above. Most students are expected to have had

coursework in biology, chemistry and math.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Research experience is a desired qualification.

### **Career Opportunities:**

A doctorate in neuroscience provides strong preparation for academic careers at every level from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies and for careers in industry (biotech, medical or pharmaceutical) and well as nongovernmental organizations.

Career examples include:

- health care scientists in academic, private, and industrial labs
- principal investigators in government labs and non-profit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences

<https://sols.asu.edu/degrees/grad/neuroscience-phd>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## **Philosophy, MA (LAPHILMA)**

**Online Degree Search Title:** Philosophy, MA

**Campus:** Tempe

### **Program Description:**

The School of Historical, Philosophical and Religious Studies offers an MA degree program in traditional and contemporary philosophy. General areas of research include ethics, political philosophy, metaphysics, epistemology, philosophy of law, philosophy of science, feminist philosophy, philosophy of language, experimental philosophy and the history of philosophy.

Members of the faculty are involved in interdisciplinary work in a variety of fields and enjoy close ties with the Lincoln Center for Applied Ethics, the Sandra Day O'Connor College of Law, and a number of other graduate programs at ASU. The philosophy program sponsors an active colloquium series and regular philosophical conferences on diverse topics. The Lincoln Center for Applied Ethics also sponsors a wide range of activities, including large-scale conferences, distinguished visitors and support for graduate study.

The program seeks to maintain a balance between course offerings in the traditional areas of philosophy and opportunities for study of current philosophical developments.

### **Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core Areas (9 credit hours)

epistemology (3)

metaphysics (3)  
value theory (3)

Electives and Research (15 or 21 credit hours)

Culminating Experience (0 or 6 credit hours)  
PHI 599 Thesis (6) or  
portfolio (0)

Additional Curriculum Information

There are two culminating experience options for the master's degree program in philosophy: the thesis option and the nonthesis portfolio option.

Thesis students take 15 credit hours of electives. Portfolio students take 21 credit hours of electives, which must include PHI 592 Research for three credit hours.

Students should see the academic unit for the list of courses approved for each core area in epistemology, metaphysics and value theory.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency as well as a copy of an article or research paper in their native or principal research language in addition to the English writing sample required of all students. The philosophy program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

The statement of purpose should explain the applicant's specific intent and be no more than 600 words in length.

The writing sample must be a piece of philosophical writing, preferably a seminar paper or published article of no more than 20 pages and not a thesis or dissertation.

### **Career Opportunities:**

Both the Master of Arts and PhD programs in philosophy help students to develop and hone skills that are both highly marketable and easily transferable. As routine jobs are increasingly being lost to advances in automation and artificial intelligence, philosophy teaches its students to think critically, creatively and imaginatively. These skills are irreplaceable by technology, highly sought-after by employers, and transferrable from one occupation to another. They include the following skills and abilities: to read closely and with a critical eye, to analyze complex problems, to identify all the possible solutions to that problem, including some creative solutions, to assess the merits of each possible solution, and to articulate and argue for or against various possible solutions in clear, precise and unambiguous language.

As philosophy focuses on honing certain skills rather than acquiring a particular body of knowledge, philosophy prepares its students for a wide variety of careers rather than for just one particular occupation. Indeed, philosophy prepares its students for any career requiring problem-solving; clear, critical and creative thinking; and excellent reading, writing and communication skills.

The master's degree program in philosophy is designed to prepare students to enter doctoral programs, teach philosophy at the community college level, or work in any area that requires critical, analytical thinking, such as medicine, law, government or publishing.

Career examples include:



- businessperson
- computer programmer
- counselor
- educator
- journalist
- lawyer
- politician
- public policy analyst
- publisher
- writer

**Contact Information:**

Liberal Arts and Sciences, The College of  
 Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/ma-philosophy--ma>  
 COOR 4595  
 SHPRSGradInfo@asu.edu  
 480-965-5778

**Philosophy, PHD (LAPHILPHD)**

**Online Degree Search Title:** Philosophy, PhD

**Campus:** Tempe

**Program Description:**

The School of Historical, Philosophical and Religious Studies offers a newly redesigned PhD philosophy program. General areas of research include ethics, political philosophy, metaphysics, epistemology, philosophy of law, philosophy of science, philosophy of language, philosophy of religion and the history of philosophy.

The program features a focus on practical and applied philosophy and an interdisciplinary coursework component related to the student's research topic. Practical philosophy includes the fields of ethics, philosophy of law, social and political philosophy, feminist ethics and political philosophy. Applied philosophy includes both the application of theories developed within any of the subdisciplines of philosophy to everyday problems or phenomena (for example, the application of the philosophy of language in relation to hate speech or the philosophy of mind in relation to computing and artificial intelligence). Applied philosophy also includes the application of research produced by methods used in other disciplines in order to understand and address philosophical questions (for example, the application of data-gathering instruments used in psychology to answer questions in experimental philosophy).

Students may design dissertation projects in any of the major subfields of philosophy. For their interdisciplinary coursework supporting the dissertation project, students might, for example, pursue a certificate in social transformation, gender studies, responsible innovation in sciences, or engineering and society, etc.

Members of the faculty are involved in interdisciplinary work in a variety of fields and enjoy close ties with the Lincoln Center for Applied Ethics, the College of Law and a number of other graduate programs at the university. The ASU philosophy faculty group sponsors an active colloquium series and regular philosophical conferences on diverse topics. The Lincoln Center for Applied Ethics also sponsors a wide range of activities, including large-scale conferences, distinguished visitors and support for graduate study.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core Areas (15 credit hours)

- applied philosophy (3)
- epistemology (3)
- formal methods (3)
- metaphysics (3)
- value theory (3)

Electives (45 credit hours)

Research (12 credit hours)

PHI 792 Research (12)

Culminating Experience (12 credit hours)

PHI 799 Dissertation (12)

#### Additional Curriculum Information

Students should see the academic unit for the list of courses approved for each required core area.

In completing the electives requirements, at least nine credit hours and no more than 18 credit hours must be from other disciplines supporting the student's proposed dissertation area; 30 credit hours from a previously awarded master's degree may apply toward this requirement with approval by the student's supervisory committee and the Graduate College.

To ensure breadth in the traditional areas of philosophy, students must pass with a grade of "B" (3.00 on a 4.00 scale) or better.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- statement of purpose
- curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency, a copy of an article or research paper in their native or principal research language, as well as the English writing sample required of all students regardless of current residency. The philosophy program requires a TOEFL score of at least 600 (PBT) or 100 (iBT), or 7.0 on the IELTS.

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007. The department code may be left blank or entered as 0000.

The statement of purpose should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, and the proposed research specialization (no more than 600 words in length).

The writing sample must be a piece of philosophical writing, preferably a seminar paper or published article of no more than 20 pages.

#### Career Opportunities:

Both the MA and doctoral programs in philosophy help students to develop and hone skills that are both highly marketable and easily transferable. As routine jobs are increasingly being lost to advances in automation and artificial intelligence, philosophy teaches its students to think critically, creatively and imaginatively. These skills are irreplaceable by technology, highly sought-after by employers, and transferrable from one occupation to another. They include the following skills and abilities: to read closely and with a critical eye, to analyze complex problems, to identify all the possible solutions to that problem, including some creative solutions, to assess the merits of each possible solution, and to articulate and argue for or against various possible solutions in clear, precise and unambiguous language.

As philosophy focuses on honing certain skills rather than acquiring a particular body of knowledge, philosophy prepares its students for a wide variety of careers rather than for just one particular occupation. Indeed, philosophy prepares its students for any career requiring problem-solving; clear, critical and creative thinking; and excellent reading, writing and communication skills.

The program is designed to prepare students for careers as philosophers, as teachers of philosophy and in areas in which they may benefit from advanced training in philosophy, such as law, civil service and publishing.

Career examples include:

- businessperson
- computer programmer
- counselor

- educator
- journalist
- lawyer
- politician
- public policy analyst
- publisher
- writer

**Contact Information:**

Liberal Arts and Sciences, The College of  
 Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/phd-philosophy--phd>  
 COOR 4595  
 SHPRSGradInfo@asu.edu  
 480-965-5778

**Philosophy (History and Philosophy of Science), MA (LAHPSMA)**

**Online Degree Search Title:** Philosophy (History and Philosophy of Science), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

Nationally, there is great interest in science and in understanding the nature of science and the forces that change scientific research. The job market in philosophy is strong for philosophers of science, and especially in the life sciences, with some positions remaining unfilled even when the market is intensely competitive in other areas. In addition, the history and philosophy of science is becoming a strong disciplinary emphasis within growing professional societies.

Some programs, elsewhere, focus primarily on philosophy or primarily on history, but those that bring the two together are regarded among the strongest in each area. The objective here is to provide a program for students who come to history and philosophy of science from the humanities and who seek a career based in philosophical analysis of the sciences. ASU's MA program in philosophy with a concentration in the history and philosophy of science has the research strength competitive with any international program.

**Degree Requirements:**

30 credit hours including the required capstone course (HPS 551) and a thesis.

Graduate coursework includes:

- history of science (3)
- philosophy of science (3)
- topics in the history of science (3)
- topics in the philosophy of science (3)
- research methods in the history and philosophy of science (3)
- prospectus writing (3)
- research and thesis (12)

**Admission Requirements:**

This program is no longer accepting applications.

**Career Opportunities:**

Both the MA and PhD programs in philosophy focus on helping students develop and hone skills that are highly marketable to a wide variety of careers rather than for just one particular occupation: clear, critical and creative thinking and excellent reading, writing, communication and problem-solving skills.

Philosophy graduates are able to think critically, creatively and imaginatively; read closely and with a critical eye; analyze complex problems; identify all possible solutions to problems, including some creative out-of-the-box solutions; assess the merits of each possible solution; and articulate and argue the pros and cons of various solutions in clear, precise and unambiguous language.

These skills are irreplaceable by technology, highly sought-after by employers, and transferrable from one occupation to another.

Career examples include:

- businessperson
- computer programmer
- counselor
- educator
- journalist
- lawyer
- politician
- public policy analyst
- publisher
- writer

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://sols.asu.edu/degree-programs/graduate>  
LSC 284  
SOLS@asu.edu  
480-965-8927

## Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)

**Online Degree Search Title:** Philosophy (History and Philosophy of Science), PhD

**Campus:** Tempe

ASU is not currently accepting applications to this program.

**Program Description:**

The strength of ASU's PhD program in philosophy with a concentration in the history and philosophy of science is to bring philosophy, history and the study of science together. This degree program combines solid training in the core areas of philosophy with an emphasis on transdisciplinary studies of the sciences and their conceptual structure, epistemology, history and impacts on society.

The program is especially appropriate for students with a background in philosophy who seek to broaden their disciplinary studies with a historical perspective. Applicants typically come from undergraduate programs that have included philosophical, historical or history and philosophy of science training, or with a master's degree in one of those fields. Science students are eligible as well and can make up relevant undergraduate humanistic core courses during their first years.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Concentration (18 credit hours)

history of science (3)

philosophy of science (3)

prospectus writing (3)

research methods in the history and philosophy of science (3)

topics in the history of science (3)

topics in the philosophy of science (3)

Other Requirements (21 credit hours)

advanced logic or approved equivalent (3)

approved philosophy or other relevant courses (9)

a course in history of philosophy (3)

a course in value theory (3)

HPS 615 Biology and Society Lab (3 hours, one credit each)

Electives or Research (33 credit hours)

Culminating Experience (12 credit hours)

HPS 799 Dissertation (12)

**Admission Requirements:**

This program is not currently accepting applications.

**Career Opportunities:**

Both the MA and PhD programs in philosophy help students to develop and hone skills that are both highly marketable and easily transferable. As routine jobs are increasingly being lost to advances in automation and artificial intelligence, philosophy teaches its students to think critically, creatively and imaginatively. These skills are irreplaceable by technology, highly sought-after by employers, and transferrable from one occupation to another. They include the following skills and abilities: to read closely and with a critical eye, to analyze complex problems, to identify all the possible solutions to that problem including some creative solutions, to assess the merits of each possible solution, and to articulate and argue for or against various possible solutions in clear, precise and unambiguous language.

As philosophy focuses on honing certain skills rather than acquiring a particular body of knowledge, philosophy prepares its students for a wide variety of careers rather than for just one particular occupation. Indeed, philosophy prepares its students for any career requiring problem-solving; clear, critical and creative thinking; and excellent reading, writing and communication skills.

Career examples include:

- businessperson
- computer programmer
- counselor
- educator
- journalist
- lawyer
- politician
- public policy analyst
- publisher
- writer

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://sols.asu.edu/degrees/grad/history-philosophy-science-phd>  
LSC 226  
SOLS@asu.edu  
480-965-1768

## Physics, MS (LAPHYSIMS)

**Online Degree Search Title:** Physics, MS

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The MS program in physics provides graduate instruction and research experience appropriate to many physics-related careers. The structure of the program is flexible enough to allow a wide range of programs of study and a wide range of student backgrounds. It is also suitable for part-time study.

Completion of the program requires a minimum of two years, with students typically taking courses for the first three semesters and completing a research project in their final semester. Each student defends a master's degree thesis at the end of the program.

**Degree Requirements:**

30 credit hours and a thesis.

The master's degree in physics can emphasize either physics or physics in combination with other fields.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics or a closely related field from a regionally accredited institution. To be admitted to the master's degree program in physics without deficiencies, applicants should have adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in

analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- test scores for the verbal, quantitative and analytical sections of the GRE
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency in the form of a TOEFL or equivalent score regardless of current residency.

Submission of scores for the physics GRE subject test is recommended, although not mandatory.

Financial support in the form of teaching or research assistantships is contingent upon satisfactory performance in coursework, timely completion of the final examination for the master's degree, and need and availability of such support.

Students on probation are offered financial support only under exceptional circumstances.

### **Career Opportunities:**

As a professional physicist, graduates can advance the frontiers of physics by generating new knowledge in their subfield while working on the most challenging scientific problems at the forefront of human understanding. Physicists are valued for their analytical, technical and mathematical skills and find employment in a vast majority of employment sectors, including:

- academia
- engineering
- finance
- technology

### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Physics  
<https://physics.asu.edu/>  
PSF 470  
physics.grad@asu.edu  
480-965-3561

## **Physics, PHD (LAPHYSIPHD)**

**Online Degree Search Title:** Physics, PhD

**Campus:** Tempe

### **Program Description:**

The PhD program in physics is intended for highly capable students having the interest and ability to follow a career in independent research. The recent advent of the graduate faculty initiative at ASU extends the spectrum of potential physics doctoral topics and advisors to include highly transdisciplinary projects that draw upon:

- biochemistry
- biology
- chemistry
- electrical engineering
- materials science
- other related fields

Consequently, students and doctoral advisors can craft novel doctoral projects that transcend the classical palette of physics subjects. Transdisciplinary expertise of this nature is increasingly vital to modern science and technology.

Current areas of particular emphasis within the department include:

- biological physics
- cosmology

- electron diffraction and imaging
- nanoscale and materials physics
- particle physics and astrophysics

The department has more than 90 doctoral students and more than 40 faculty members.

#### **Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Coursework (18 credit hours)

PHY 500 Research Rotation I (3)

PHY 500 Research Rotation II (3)

PHY 521 Classical and Continuum Mechanics (3)

PHY 531 Electrodynamics (3)

PHY 541 Statistical Physics (3)

PHY 576 Quantum Theory (3)

Electives or Research (54 credit hours)

Culminating Experience (12 credit hours)

PHY 799 Dissertation (12)

Additional Curriculum Information

Of particular note within the core courses are the PHY 500 Research Rotations, which are specifically designed to engage doctoral students in genuine, faculty-guided research starting in their first semester at ASU. Students take PHY 500 in the first and second year of study.

Coursework beyond the core courses is established by the student's doctoral advisor and supervisory committee, working in partnership with the student. The intent is to tailor the doctoral training to the specific research interests and aptitudes of the student while ensuring that each graduating student emerges with the expertise, core knowledge and problem-solving skills that define a successful doctoral degree in physics.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework are made up of electives to reach the required 84 credit hours.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics or a closely related area, from a regionally accredited institution. Applicants must have had adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores (general GRE and physics GRE)
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Scores from the verbal, quantitative and analytical sections of the GRE are required. The subject GRE test scores are also required.

Applicants requesting credit for prior graduate courses, taken either at ASU or elsewhere, must demonstrate mastery of the relevant course material to the graduate-level standards of the Department of Physics.

**Career Opportunities:**

As a professional physicist, graduates can advance the frontiers of physics by generating new knowledge in their subfield while working on the most challenging scientific problems at the forefront of human understanding. Graduates find positions in a variety of settings, such as academic faculty, administration, government labs, industrial labs and management.

Physicists are valued for their analytical, technical and mathematical skills and find employment in a vast array of employment sectors, including:

- academia
- engineering
- finance
- technology

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Physics  
<https://physics.asu.edu/content/physics-phd-0>  
PSF 470  
physics.grad@asu.edu  
480-965-3561

## Plant Biology and Conservation, MS (LAPLBIOMS)

**Online Degree Search Title:** Plant Biology and Conservation, MS

**Campus:** Tempe

**Program Description:**

Conservation demonstrates a growing need for botanists and conservation biologists in academic institutions, government agencies and nongovernmental organizations.

The MS program in plant biology and conservation provides students with advanced training in plant ecology, evolution and floristics as well as in theory and practice of conservation biology. Students have the opportunity to work with faculty and researchers from ASU and the Desert Botanical Garden, located in Phoenix near ASU's Tempe campus.

This master's degree program is offered in collaboration with the Desert Botanical Garden.

**Degree Requirements:**

30 credit hours and a thesis.

Required Core (3 credit hours)

PLB 502 Perspectives in Plant Biology (3)

Research (3 credit hours)

PLB 592 Research (3)

Electives (17 credit hours)

Other Requirements (1 credit hour)

BIO 591 Seminar (1)

Culminating Experience (6 credit hours)

PLB 599 Thesis (6)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology, botany or a closely related field from a regionally accredited institution.



Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

### **Career Opportunities:**

A master's degree in plant biology and conservation provides strong preparation for academic careers from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies responsible for management and conservation, and for careers in industry and nongovernmental organizations.

Career examples include:

- conservation scientists
- food and agriculture scientists in academic, private and industrial labs
- instructors at community colleges
- researchers and technicians in government labs and nonprofit organizations
- science teachers in elementary and high schools

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences

<https://sols.asu.edu/degrees/grad/plant-biology-conservation-ms>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## **Political Psychology, MA (LAPPSMA)**

**Online Degree Search Title:** Political Psychology, MA

**Campus:** Online

### **Program Description:**

Developed as an interdisciplinary program crossing political science and psychology, the MA in political psychology was created to aid in the professional advancement of electoral and issue advocacy campaigns, government and private sector careers, and careers in nonprofit organizations. Students learn skills necessary to mobilize voters and social movements, advance governmental programs, design successful political communication strategies, and effectively market political candidates for local, state and federal offices.

The program's mission is to educate students in the most recent insights from evidence-based research, prepare students with innovative tools and knowledge that gives them an advantage over their peers, and encourage hands-on training that ensures what they learn inside of the classroom applies outside of the classroom.

Students have regular interactions with world-class teachers and researchers who help students learn how to shape the world in a meaningful and positive way. The School of Politics and Global Studies is host to the Center on the Future of War, the Center for Latina/os and American Politics Research, and the SPGS Experimental Laboratory. The Department of Psychology hosts 10 doctoral, master's degree and graduate certificate programs that investigate issues such as social influence and persuasion, prejudices and discrimination, and neuroscience and clinical pathology. Faculty members are active in collaborative interdisciplinary research at ASU and with scholars at other universities and have won many major grants and awards.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Political Science, BS

## Political Science, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours including the required capstone course (PPS 550).

Required Core (3 credit hours)

PPS 501 Fundamentals of Political Psychology (3)

Other Requirement (6 credit hours)

PPS 504 Attitudes and Persuasion (3)

PPS 506 Experimental Design (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

PPS 550 Capstone (3)

Additional Curriculum Information

Students should see the academic unit for a list of approved elective courses.

Other requirement coursework may be substituted with approval from the program director. Substitutions are based on student interest in narrowing their specialization with guidance. This program does not seek to replicate existing communications or marketing degrees, but rather harness the political psychology perspective as applied to a variety of potential student interests and careers.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/political-psychology-ma/>)

### **Career Opportunities:**

The Master of Arts program in political psychology prepares students for a variety of careers in politics and related fields. An understanding of how voters make decisions and behave is crucial for jobs in political campaigns, grassroots organizations and political parties. The communication skills developed in this program could lead to careers in political marketing or advertising. Graduates are also prepared for a variety of jobs in local, state or federal government.

Career examples include:

- campaign manager
- campaign strategist
- community organizer
- fundraising consultant
- issue advocacy consultant
- legislative aide
- lobbyist

- media strategist
- political analyst
- political marketing manager

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Politics and Global Studies  
<https://spgs.clas.asu.edu/degrees/graduate/ma-political-psychology>  
 COOR 6748  
 spgs@asu.edu  
 480-965-8563

**Political Science, MA (LAPOLSCMA)**

**Online Degree Search Title:** Political Science, MA

**Campus:** Tempe

**Program Description:**

The MA program in political science offers a variety of areas of specialization within and between the four main subfields of political science -- American politics, comparative politics, international relations, and political theory -- with particular strengths in ethno-religious dynamics, women and politics, conflict and human rights, and Latino politics.\*

Faculty also conduct research and teach in the areas of political psychology and political economy, and many are active in collaborative interdisciplinary research at ASU and with scholars at other universities; many have won major grants and awards. The school is host to the Center on the Future of War, the Center for Latina/os and American Politics Research and an experimental lab.

This Master of Arts program may be taken as a terminal program or as a step toward eventual fulfillment of the requirements for the doctorate. Students who plan to obtain the doctorate at ASU should apply directly to the doctoral program.

\*Students interested in a political theory specialization should consult with the academic unit prior to application prior to application.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Studies, BA
- Political Science, BS
- Political Science, BA
- Politics and the Economy, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Required Core Course (3 credit hours)  
 POS 503 Empirical Political Inquiry (3)

Other Requirements (6 credit hours)  
 focus area course (3)  
 POS 603 Polimetrics I or second focus area course for political theory (3)

Electives (15 - 21 credit hours)

Culminating Experience (0 - 6 credit hours)  
 POS 599 Thesis (6) or  
 portfolio (0)

**Additional Curriculum Information:**

Students selecting the thesis option must submit a written thesis and hold an oral defense. Students selecting the portfolio option must submit a written paper and hold an oral defense.

The course POS 603 Polimetrics I may be substituted with permission of both the director of Graduate studies and the faculty advisor. Students in the political theory focus area take a second focus area course instead of POS 603.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- GRE scores
- three letters of recommendation
- list of political science courses taken
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

To assist in evaluating all candidates, the applicant should list titles and related information for all previous undergraduate and graduate courses or coursework in political science or related fields. The file must be saved in a .pdf, .doc, .rtf or .txt format and uploaded with the online graduate admission application. The information should be in a table with the following column headings: Course Title, Undergrad Credit Hours, Graduate Credit Hours, Grade, Institution, Year.

Undergraduate coursework in political science is not a prerequisite for admission. However, master's degree students should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of concentration that they wish to study. Students should allow sufficient time to acquire such a background.

**Career Opportunities:**

This program provides advanced education for students preparing for research or applied careers in political science in government, nonprofits and the private sector.

Career examples include:

- campaign consultant
- campaign strategist
- data analyst
- lobbyist
- research specialist

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies

<https://spgs.clas.asu.edu/degrees/graduate/ma-political-science--ma>

COOR 6801

spgs@asu.edu

480-965-8563

**Political Science, PHD (LAPOLSCPHD)**

**Online Degree Search Title:** Political Science, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in political science is intended to develop scholars who demonstrate a high level of excellence in teaching and research as professional political scientists. It offers a variety of areas of specialization within and between the four main subfields of political science: American politics, comparative politics, international relations and political theory. Students interested in a political theory specialization should consult with the academic unit prior to application.

Program faculty have particular strengths in Latino politics, women and politics, ethno-religious dynamics, as well as conflict and human rights. Faculty also conduct research and teach in the areas of political psychology and political economy.

The school is host to the the Center for Latinos and American Politics Research, the Center on the Future of War, and an experimental lab. Faculty are also affiliated with other centers at ASU, such as the Center for the Study of Religion and Conflict; the Melikian Center for Russian, Eurasian and East European Studies; as well as the Center for the Study of Economic Liberty. Many faculty members are active in collaborative interdisciplinary research at ASU and with scholars at other universities, and they have won major grants and awards, as have the school's doctoral students.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

POS 503 Empirical Political Inquiry (3)

Electives and Research (39 credit hours)

Culminating Experience (12 credit hours)

POS 799 Dissertation (12)

Additional Curriculum Information

A maximum of 12 credit hours of approved coursework outside the department but within ASU may count toward the required 84 credit hours.

Coursework beyond the 12 credit hour maximum may be taken outside the department with permission of both the director of Graduate Studies and the faculty advisor.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives to reach the required 84 credit hours.

Also required is a formal oral defense of the dissertation and a written comprehensive examination in the major field.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- GRE scores
- three letters of recommendation
- list of political science courses taken
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

To assist in evaluating all candidates, the applicant should list titles and related information for all previous undergraduate and graduate courses or coursework in political science or related fields. The file must be saved in a .pdf, .doc, .rtf or .txt format and uploaded with the online graduate admission application. The information should be in a table with the following column headings: Course Title, Undergrad Credit Hours, Graduate Credit Hours, Grade, Institution, Year.

Undergraduate coursework in political science is not a prerequisite for admission. However, applicants to the doctoral program should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of specialization that they wish to study.

Students without this background should allow sufficient time to acquire it.

**Career Opportunities:**

Program graduates have a strong track record of obtaining positions in academic, public and private sectors. The program works closely with students so they have the opportunity and tools needed to achieve their career goals. The doctoral program provides advanced education for students preparing for teaching, research or applied careers in political science in government, nonprofits and the private sector.

Career examples include:

- campaign consultant
- campaign strategist
- data analyst
- lobbyist
- research specialist
- tenure-track or instructional faculty in political science

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.clas.asu.edu/degrees/graduate/phd-political-science--phd>  
COOR 6801  
spgs@asu.edu  
480-965-8563

## Psychology, PHD (LAPSYCHPHD)

**Online Degree Search Title:** Psychology, PhD

**Campus:** Tempe

**Program Description:**

The Department of Psychology offers PhD programs designed to provide outstanding training in innovative research, methodology and the application of psychological principles to a wide variety of human conditions. The department is organized into six major areas of interest. The quantitative research methods area is a formalized concentration separate from the other training areas; it requires application directly to that program (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LAPSYQUPHD/graduate/false> (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LAPSYQUPHD/graduate/false>)).

- behavioral neuroscience and comparative psychology
- clinical psychology
- cognitive science
- developmental psychology
- quantitative research methods
- social psychology

Students pursue their graduate studies within one of these six areas, and each area determines the basic curriculum for their graduate program. There is, however, substantial opportunity to integrate courses of study across areas in the department.

Further specialized emphases are available that integrate across programs in the university.

At the core of doctoral training in psychology is an emphasis on the development of skill in research and quantitative methods. Faculty in all six areas are actively engaged in major research programs. These theoretically grounded research programs address the breadth of psychological processes, including evolution and behavior; cognitive processes (e.g., attention, language, memory) as they occur within the context of perception and action, personality and issues of stigma and prejudice; individual resilience; cultural influences on psychological processes; neurobiological and psychosocial processes that underlie behavior and health (e.g., drug abuse, stress, heart disease); prevention of child mental health problems; and lifespan developmental aspects of emotion and cognition.

A unique strength of the Department of Psychology is the wealth of outstanding faculty members whose specialization is quantitative methods. A breadth of courses and experiences in quantitative methods are available that are well integrated into the areas of research that characterize the department and offer students the distinctive opportunity to develop expertise in this critical domain.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 or 4 credit hours)  
PSY 502 Professional Issues in Psychology (3) or  
PSY 531 Multiple Regression in Psychological Research (4)

Electives and Research (68 or 69 credit hours)

Culminating Experience (12 credit hours)  
PSY 799 Dissertation (12)

#### Additional Curriculum Information

In addition to required coursework pertaining to the training area, students take courses related to their area of interest as determined in consultation with their supervisory committees. Requirements vary across training areas.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- SlideRoom application and fee
- statement of purpose form
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

To apply to the doctoral programs, applicants must follow the instructions on the doctoral program admissions instructions and checklist. It is strongly recommended that applicants download and print this form to ensure completion of the application process and include all of the required supplemental forms.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to Department of Psychology doctoral programs is also completed via SlideRoom to process supplemental application materials. The SlideRoom account requires an additional fee.

Applicants must submit three academic letters of recommendation from faculty members who know the student well. Three letters are required but four letters of recommendation may be submitted.

#### Career Opportunities:

Professionals with expertise in research and applications of psychological science are in high demand across multiple career sectors including academia, education, industry, health care, mental health care, government and community organizations. Skills in measurement, research design and analysis of data across areas of psychological science are important in all of these career sectors as are skills in mental health assessment, prevention, treatment and program evaluation.

Career options include:

- clinical professor
- consultant
- data scientist-biostatistician
- evaluation program specialist
- licensed clinical psychologist
- research associate
- research professor
- senior analyst

- staff psychologist
- teaching faculty

**Contact Information:**

Liberal Arts and Sciences, The College of  
 Department of Psychology  
<https://psychology.asu.edu/degrees/doctoral>  
 PSY 203  
 psychgrad@asu.edu  
 480-965-7598

**Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)**

**Online Degree Search Title:** Psychology (Quantitative Research Methods), PhD

**Campus:** Tempe

**Program Description:**

The quantitative research methods concentration of the PhD program in psychology focuses on the broad class of quantitative and methodological issues that arise in the conduct of both basic and applied psychological research.

There are six core faculty members in the quantitative concentration who, in addition to their quantitative research, collaborate with colleagues in substantive research areas. These collaborations help to support the training of students in quantitative methods against a backdrop of methodological issues associated with the substance of psychological science.

The quantitative concentration program is committed to training the next generation of psychological methodologists who make contributions in developing methods in the areas of measurement, study design and analysis, modeling, and evaluating the utility of new and existing methods in psychological research.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 or 4 credit hours)

PSY 502 Professional Issues in Psychology (3) or

PSY 531 Multiple Regression in Psychological Research (4)

Concentration (3 credit hours)

PSY 533 Structural Equation Modeling (3)

Other Requirements (31 credit hours)

PSY 530 Intermediate Statistics (4)

PSY 532 Analysis of Multivariate Data (3)

PSY 534 Psychometric Methods (3)

PSY 536 Statistical Methods in Prevention Research (3)

PSY 537 Longitudinal Growth Modeling (3)

PSY 538 Advanced Structural Equation Modeling (3)

PSY 539 Multilevel Models for Psychological Research (3)

PSY 540 Missing Data Analysis (3)

PSY 543 Statistical Mediation Analysis (3)

PSY 555 Experimental and Quasi-Experimental Designs for Research (3)

Electives (22 or 23 credit hours)

Research (12 credit hours)

Culminating Experience (12 credit hours)

PSY 799 Dissertation (12)

Additional Curriculum Information

Electives are determined in consultation with the student's supervisory committee.

Other requirements courses may be substituted for other courses based on consultation with the student's supervisory committee.



**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- SlideRoom application and fee
- statement of purpose form
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

To apply to the doctoral program, applicants must follow the instructions on the Doctoral Program Admissions Instructions and Checklist. It is strongly recommended that applicants download and print the Doctoral Program Admissions Instructions and Checklist to ensure completion of the application process and include all of the required supplemental forms.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to the Department of Psychology doctoral programs is also completed via SlideRoom to process supplemental application materials. The SlideRoom account requires an additional fee.

Applicants must submit three academic letters of recommendation from faculty members who know the student well. Three letters are required but four letters of recommendation may be submitted.

**Career Opportunities:**

Quantitative psychologists have expertise in both developing and applying sophisticated statistical and methodological solutions to issues that arise in research. Although students' home department is psychology, the skills developed during the doctoral training span an incredible array of applications, including areas like education, health, neuroscience and marketing.

Graduates from the ASU program are especially prized for their ability to work in interdisciplinary teams and to communicate complex concepts clearly.

Career examples include:

- consultant
- data scientist
- policy analyst
- psychology professor
- psychometrician
- research scientist

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/quantitative>  
PSY 203  
psychgrad@asu.edu  
480-965-7606

**Religious Studies, MA (LARELIGMA)**

**Online Degree Search Title:** Religious Studies, MA

**Campus:** Tempe

**Program Description:**

The faculty in religious studies offer a graduate program leading to the MA in religious studies.

Candidates are offered an opportunity to develop knowledge of various religious traditions in their historical and cultural contexts and to learn research methods. Although students often concentrate upon a single religious tradition for their thesis work, the program provides a broadly comparative understanding of religions, not simply a specialist's training in a single tradition.

**Degree Requirements:**

30 credit hours including the required applied project course (REL 593) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.

Required Core (6 credit hours)

REL 501 The Study of Religion I: Genealogies, Disciplines and Power (3)

REL 502 The Study of Religion II: Epistemology, Practice and Mediation(3)

Electives or Research (18-21 credit hours)

Culminating Experience (3-6 credit hours)

REL 599 Thesis (6) or

REL 593 Applied Project (3)

Additional Curriculum Information

There are two options for the culminating experience: a thesis or an applied project. An oral defense of the final written work is required for both options.

The thesis option is recommended for students intending to seek admission to a doctoral program upon completion of the master's degree or for students who plan to teach in the discipline at community colleges. Thesis students must have reading knowledge of all languages relevant to the proposed thesis topic and take 18 credit hours of electives or research coursework.

The applied project option is recommended for students intending to augment their primary area of expertise and professional training in fields such as counseling, journalism, K-12 education, law, social work and the ministry. The applied project requires submission of three publishable papers: one on theory and method, one on the student's minor area of study, and one on the major area of study. The student's chosen areas of study determine the coursework taken as electives, with applied project students taking 21 credit hours of electives coursework, four courses being in a major area of study and two courses being in a minor area. Reading knowledge of a foreign language relevant to the proposed area of study is required.

The student's plan of study may include up to six credit hours of 400-level coursework or one REL 690: Reading and Conference course with department approval.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Transcripts must show evidence of having completed the equivalent of 15 credit hours of undergraduate work in the study of religions, including advanced courses in both western and Asian or other nonwestern religions. Applicants who have not met this requirement may be required to take additional coursework beyond program requirements to remedy this deficiency.

Applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program. The most competitive applicants have a GPA of 3.50 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
  - curriculum vitae
  - writing sample
- contact information for three references
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students are required to submit contact information for three academic references who are qualified to provide detailed, accurate evaluations of the applicant's potential as a graduate student in religious studies. Professors are preferred, particularly faculty advisors. Recommenders are contacted by the Graduate College with a request to complete a reference questionnaire.

The statement of purpose should be approximately 1,000 words and should outline the applicant's academic background, career goals, and specific areas of interest in religious studies.

#### **Career Opportunities:**

The Master of Arts program in religious studies provides students with training and knowledge relevant to careers in government, nongovernmental organizations, nonprofit organizations, global relationships, intercultural understanding, foreign service, researchers, professional writing, community college teaching, journalism and publishing.

Career examples include:

- book editor
- community college instructor
- foreign service employee
- global affairs writer
- nongovernmental organization professional
- nonprofit management

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/ma-religious-studies--ma>  
COOR 4595  
SHPRSGradInfo@asu.edu  
480-965-5778

## **Religious Studies, PHD (LARELIGPHD)**

**Online Degree Search Title:** Religious Studies, PhD

**Campus:** Tempe

#### **Program Description:**

The academic study of religion is a central component of the humanities and has become increasingly recognized as a critical tool in understanding society and politics in a globalized world.

The PhD program in religious studies is designed for graduate students who would benefit from greater expertise regarding the nature and role of religion around the world. The program provides supplementary training that includes history, anthropology, political science, journalism, secondary education and justice studies.

Doctoral tracks in the study of religion approach the study in a variety of contexts. Specifically offered are tracks in:

- anthropology of religion
- global Christianity
- Islam in global contexts
- religion in Asia
- religion in the Americas

#### **Degree Requirements:**

84 credit hours, foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The plan of study must contain a minimum of 84 credit hours, including 12 hours of dissertation. Courses and research hours are approved by the student's supervisory committee.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Transcripts must show evidence of having completed the equivalent of 15 credit hours of undergraduate work in the study of religions,

including advanced courses in both western and Asian or other nonwestern religions. Applicants who have not met this requirement may be required to take additional coursework beyond program requirements to remedy this deficiency.

Applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in an applicable master's degree program. The most competitive applicants have a GPA of 3.50 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- curriculum vitae
- writing sample
- contact information for three references
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The Graduate College requires a minimum TOEFL score of 550 (PBT) or 80 (iBT).

The statement of purpose should be approximately 1,000 words describing the applicant's academic background, the reasons for wishing to pursue a doctorate in religious studies, the proposed area of specialization, and specific research topics the student plans to engage in at Arizona State University.

The writing sample should be a work of original scholarly writing, approximately 15 to 30 pages in length. It should represent the student's best academic writing.

Students are required to submit contact information for three academic references who are qualified to provide detailed, accurate evaluations of the applicant's potential as a graduate student in religious studies. Professors, particularly faculty advisors, are preferred. Recommenders are contacted by the Graduate College with a request to complete a reference questionnaire. Letters of recommendation can be submitted in addition to answering these questions online.

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007. The department code can be left blank or entered as 0000.

### **Career Opportunities:**

The doctoral program in religious studies provides students with training and knowledge relevant to careers in a variety of different roles and in a range of employment sectors. Some typical employers include government agencies, especially the U.S. Department of Health and Human Services; nongovernmental organizations; schools, colleges and universities; charities and nonprofit organizations; social services; and church and other religious organizations.

Career examples include:

- book editor
- church administrator
- case management director
- foreign service employee
- global affairs writer
- nongovernmental organization professional
- nonprofit manager
- professional researcher and writer
- university instructor

### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/phd-religious-studies--phd>  
COOR 4595  
SHPRSGradInfo@asu.edu  
480-965-5778

## Renaissance Studies (certificate), Certificate (LARENAISCE)

**Online Degree Search Title:** Renaissance Studies (Graduate Certificate)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

### Program Description:

In this Renaissance studies certificate program, Renaissance language, early modern language and paleography lay the foundation for the examination of a time that gave the world humanism, the statue of David and more.

### Degree Requirements:

18 credit hours (MA certificate), or 27 credit hours (PhD certificate).

#### Renaissance Language:

Master's degree students are required to take one semester of a Renaissance language (three to four credit hours). Doctoral degree students of Medieval/Renaissance Latin, Spanish literature or Portuguese literature are required to take two semesters (six to eight credit hours). This requirement presupposes two years or 12 to 16 credit hours or the equivalent of undergraduate training in Latin.

Proficiency is proven either by achieving a grade of "B" or better (3.00 on a 4.00 scale) in the medieval Latin courses or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies, University of Toronto.

#### Early modern language at the upper-division level:

Master's degree students are required to take two semesters (six credit hours). Doctoral degree students are required to take three semesters (nine credit hours). Literature or linguistics classes may apply.

#### Paleography:

Students are required to take one semester (three credit hours).

#### Coursework outside the major discipline:

Master's degree students are required to take two semesters (six credit hours). Doctoral degree students are required to take three semesters (nine credit hours).

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students enrolled in an existing master's degree or doctoral program and in good standing.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

#### All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

### Career Opportunities:

Students completing the certificate program are prepared for advanced study or for academic positions.

### Contact Information:

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch

<https://shprs.asu.edu/degree/certificate/certificate-renaissance-studies>

COOR 4432

## Scholarly Publishing (certificate), Certificate (LASCHPUBCE)

**Online Degree Search Title:** Scholarly Publishing (Graduate Certificate)

**Campus:** Tempe

ASU is not currently accepting applications for this program.

### **Program Description:**

The scholarly publishing certificate program offers training in publishing studies to graduate students from any discipline.

The program focuses on publishing wherever it occurs: museums, corporations, cultural institutions, university presses, commercial houses, digital startups, libraries, journal and textbook publishers, and learned societies. Students create the future world of publishing as it is expressed in the digital world of e-books, apps, blogs, websites, interactive media, online scholarship and popular writing.

### **Degree Requirements:**

20 credit hours.

Coursework includes four required core courses and electives from a variety of disciplines. The certificate requirement includes a summer internship. Some courses may be applied to both the certificate and the student's degree program.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- a resume or curriculum vitae
- a letter of intent
- three reference letters
- official transcripts
- writing sample
- proof of English proficiency

### **Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Graduate students in any discipline may pursue a certificate in scholarly publishing in conjunction with their degree programs. The program is also open to students who already hold graduate degrees.

The resume or curriculum vitae is required, and it must be uploaded into the online application.

The letter of intent, about 500 words in length, should be addressed to the history review committee explaining the applicant's scholarly background and training, career goals and why the applicant wants to pursue graduate study at ASU.

Students should contact their references and inform them that they will be contacted by Graduate Admission Services and asked to submit an electronic recommendation. Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in scholarly publishing.

For the writing sample, applicants are to submit a sample of their written work electronically. The writing sample may be an article, either published or unpublished, a research paper or any other extended example of expository skill no longer than 35 double-spaced pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents should not be password protected. Acceptable file

types are .rtf, .pdf and .doc.

Disclosure information for this U.S. Department of Education Gainful Employment program is available at <https://catalog.asu.edu/files/disclosures/LASCHPUBCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LASCHPUBCE/Gedt.pdf>).

### **Career Opportunities:**

The graduate certificate program in scholarly publishing provides students the fundamental training needed for careers in research, public, private and nonprofit sectors. Graduates serve as journal publishers, conference writers, editors, researchers and consultants in publishing houses, museums, corporations, cultural institutions, government agencies and libraries.

Career examples include:

- article or content writer
- copy editor
- journal author
- museum writer
- online academic media writer

### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/>  
COOR 4595  
SHPRSGradInfo@asu.edu  
480-965-5778

## **Scientific Teaching in Higher Education (certificate), Certificate (LASTHEGRCT)**

**Online Degree Search Title:** Scientific Teaching in Higher Education Certificate (Graduate Certificate)

**Campus:** Tempe

### **Program Description:**

The graduate certificate program in scientific teaching in higher education provides graduate students with the skills and knowledge needed to implement and evaluate evidence-based teaching at the college level.

As part of the program, students gain experience teaching science in a higher education setting, take teaching-related coursework, and complete a culminating experience under the guidance of a scientific teaching faculty mentor. This culminating experience can be either a significant teaching experience, including the use of evidence-based teaching, or discipline-based education research focused on undergraduate science education.

### **Degree Requirements:**

15 credit hours including an applied project course (BIO 593).

Required Core (2 credit hours)

BIO 530 Scientific Teaching (2)

Electives (10 credit hours)

Culminating Experience (3 credit hours)

BIO 593 Applied Project (3)

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admissions application and application fee
- official transcripts

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

#### Career Opportunities:

Professionals with expertise in scientific teaching are in high demand in academia and educational institutions from community colleges to research universities. The skills and knowledge obtained in this program are also valuable for careers in federal and state agencies responsible for educational policy, in industry, and in nongovernmental organizations.

Career examples include:

- educators in nonprofit organizations and government agencies
- professors or instructors in universities and colleges
- science teachers in elementary and high schools

#### Contact Information:

Liberal Arts and Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/degree-programs/scientific-teaching-higher-education-certificate-graduate-certificate>

LSA 181

[sols.grad@asu.edu](mailto:sols.grad@asu.edu)

480-965-1768

## Sexuality Studies (Certificate), Certificate (LASXSGRCT)

**Online Degree Search Title:** Sexuality Studies (Graduate Certificate)

**Campus:** Downtown Phoenix, Tempe, West

#### Program Description:

The graduate certificate program in sexuality studies addresses the social construction and political economy of sexualities, sexual identities and cultures. This program interrogates heterosexuality and institutionalized heteronormativity and addresses lesbian, gay, bisexual, transgender, queer and two-spirit identities and expressions as well as nonnormative sexual identities that are not captured by LGBTQ categories.

This program allows students the flexibility to work with courses in sexuality studies offered across disciplines and units at ASU. Students gain theoretical and analytic tools to examine gendered and racialized sexual structural inequities and how social issues, economic inequalities and state institutions impact and are impacted by sexuality as a social norm. In addition, coursework allows students to further investigate sexualities in relation to sexual stratification, reproductive rights and justice, sexual health and justice, carceral genders and sexualities, sex work, the state and legal system, and transnational and diasporic formations. The certificate integrates disciplinary, multidisciplinary and interdisciplinary perspectives.

#### Degree Requirements:

15 credit hours.

Required Core (3 credit hours)

SST 604 Sexuality Studies (3)

Electives (12 credit hours)

#### Additional Curriculum Information

For elective coursework, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.



Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of purpose for pursuing the certificate
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The certificate is only open to current ASU degree-seeking students. However, with academic unit and Graduate College approval, up to nine credit hours of ASU nondegree credit may be transferred into the certificate program for those who eventually gain admission into an ASU graduate degree program. This is administered by the graduate certificate committee. Students should refer to the Graduate College policy on certificate programs.

#### **Career Opportunities:**

Graduates of the program have gone on to careers at universities, research and policy institutes, government organizations and nonprofit organizations.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation

<https://sst.asu.edu/degree/certificate/certificate-sexuality-studies-cert>

WILSN 125

SSTadvising@asu.edu

480-965-7682

## **Social and Cultural Pedagogy, MA (LASCPMA)**

**Online Degree Search Title:** Social and Cultural Pedagogy, MA

**Campus:** Tempe

#### **Program Description:**

The MA in social and cultural pedagogy is a two-year program designed for educators with professional experience who seek to develop real-world skills and practical knowledge to help them accomplish specific career goals.

The first of its kind in North America, the program focuses on the study of learning beyond schooling, delving into research, theory and practice for nonformal education across cultures, ages and education levels. This is an interdisciplinary program in social and cultural pedagogy in which students work with communities to address and solve complex societal problems by analyzing social structures and cultural dynamics and by planning, implementing and evaluating social and educational strategies in a variety of areas, with a focus on nonformal and informal education. Each student creates a highly individualized and transdisciplinary path of study, taking classes tailored to meet their specific goals.

A master's degree in social and cultural pedagogy provides educators with the skills they need to create positive change in nontraditional educational settings, including early childhood education, museums, nongovernmental organizations, and adult and community education, among others.

#### **Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours including the required applied project course (SST 593).

Required Core (9 credit hours)

JUS 500 Research Methods (3)

SST 501 Foundations of Social Transformation (3)

SST 510 Social and Cultural Pedagogy: Theoretical and Practical Issues (3)

Electives (15 or 18 credit hours)

Culminating Experience (3 or 6 credit hours)  
SST 593 Applied Project (3) or  
SST 599 Thesis (6)

#### Additional Curriculum Information

Students who elect to complete the applied project option must take 18 credit hours of elective coursework to reach the required 30 credit hours for the program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution recognized by ASU.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor' degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. TOEFL scores are required for applicants whose native language is not English.

Applicants should supply a two- to three-page application letter (writing sample) in which they explain why they want to study in this program and why they feel well prepared to succeed in this graduate program.

The resume should describe prior educational history, related work or volunteer experiences.

#### Career Opportunities:

Students pursue careers in nonformal education environments, including youth programs, local governments, museums, nonprofits, intercultural programs, co-operatives, citizenship education, human rights programs, anti-poverty programs, community development programs, literacy programs, community centers and social movements.

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/graduate/ma-social-and-cultural-pedagogy>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## Social Science Research Methods (Certificate), Certificate (LASSRMGRCT)

**Online Degree Search Title:** Social Science Research Methods (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

#### Program Description:

Many of the biggest problems today --- from tracking the outbreak of diseases to managing scarce water resources to understanding the impact of new technologies --- require collaboration across the medical sciences, the physical and biological sciences, the social sciences and engineering. ASU's emphasis on collaborative work across disciplines is crucial for understanding these complex problems and to develop solutions.

The interdisciplinary graduate certificate program in social science research methods prepares students to acquire, manage and analyze a broad range of data on human thought and human behavior. Data can be qualitative (e.g., text, images or sound) or quantitative (e.g., direct observation, surveys or geospatial). Data acquisition skills may include the downloading and managing of information from online sources or the primary collection of data in surveys or in direct observation. A key feature of this program is a focus on data analysis, so students and professionals will be able to analyze and interpret any data that they can collect. All students in this program demonstrate skills in statistical analysis as well as a

selection of methods related to their interests.

This program is designed for applicants who hold a minimum of a bachelor's degree from regional, national or internationally accredited institutions, and in any field or discipline (e.g., anthropology, sociology, human development, sustainability, geography, political science or other fields with approval of the academic unit).

**Degree Requirements:**

18 credit hours including an applied project course (GCU 593).

Required Core (3 credit hours)

Choose one from the following:

FAS 508 Structural Equation Analysis for the Social Sciences (3)

PSY 531 Multiple Regression in Psychological Research (4)

SOC 508 Structural Equation Analysis for the Social Sciences (3)

STP 530 Applied Regression Analysis (3)

STP 531 Applied Analysis of Variance (3)

STP 533 Applied Multivariate Analysis (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)

GCU 593 Applied Project (3)

Additional Curriculum Information

Students select one of the multivariate data analysis core courses for a total of three credit hours.

Students select four three-credit hour elective and research methods courses for a total of 12 credit hours in consultation with the program directors. The program recognizes that other graduate-level courses on research methods are offered at ASU. Advanced courses on methods are often taught in omnibus courses, courses that have rotating content and whose content is not reflected in their titles. Students may include these courses in their certificate curriculum with approval of the program directors.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a field such as human development, sustainability, geography or political science. Other subject areas may be accepted with approval from the academic unit.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must have completed an introductory statistics course before admission to the program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of interest
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Examples of introductory statistics courses include:

CRJ 504 Statistical Tools for Criminology and Criminal Justice

NUR 617 Foundational Concepts in Science and Statistics

POS 603 Polometrics I

STP 530 Applied Regression Analysis

or equivalent with approval of the academic unit

A statement of interest should include how the certificate program will enhance the applicant's graduate studies or professional work.

**Career Opportunities:**

Professionals with expertise in social science research are in high demand across sectors and industries, including consulting firms, government agencies and community organizations. Skills in data acquisition, management and analysis are valuable to businesses and institutions relying on data-driven strategies in an interdisciplinary and collaborative marketplace.

Career examples include:

- data analyst
- economist
- field researcher
- human behavior researcher
- social science research assistant
- statistician

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://issr.asu.edu>  
COOR 5544  
[sgsup.gradprograms@asu.edu](mailto:sgsup.gradprograms@asu.edu)  
480-965-5005

## Social Transformation Certificate, Certificate (LASOTGRCT)

**Online Degree Search Title:** Social Transformation (Graduate Certificate)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:**

The graduate certificate program in social transformation is designed for graduate and postbaccalaureate students interested in how change is catalyzed by social movements, protest, law, social entrepreneurship, activism and community organizing. Through the exploration of theories and research related to social change, students are able to augment their disciplinary degrees and are prepared to contribute as leaders and change-makers in their communities.

**Degree Requirements:**

15 credit hours and a practicum.

Required Core (3 credit hours)

SST 501 Foundations of Social Transformation (3)

Electives (12 credit hours)

Additional Curriculum Information

The electives taken are selected with the faculty advisor. The faculty advisor helps to directionalize the electives to ensure they have a common theme. This helps to ensure students' experiences in the courses align with the learning goals outlined for the certificate.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students must submit a statement of purpose to the School of Social Transformation that is no longer than 250 words. The statement should indicate any demonstrated interest in the study of social transformation (e.g., previous coursework, professional experience, internships, career plans).

Applicants must meet the above criteria as judged by the School of Social Transformation graduate committee to have strong academic credentials, undergraduate or graduate GPA, as well as demonstrated interest in the area of social transformation. The committee reviews applications for the certificate program in the fall and spring semesters of each year and makes its admission recommendations to Graduate Admission Services.

#### Career Opportunities:

Certificate graduates may go on to law school, graduate school or other professional degree programs. Potential career options include working as community organizers, youth and community advocates, community-based researchers, and social justice consultants.

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/certificate/certificate-social-transformation>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## Socio-Economic Justice (certificate), Certificate (LAECJUGRCT)

**Online Degree Search Title:** Socio-Economic Justice (Graduate Certificate)

**Campus:** Tempe

#### Program Description:

The graduate certificate in socioeconomic justice addresses the social and political implications of global and local economies for economic inequality and social justice. This transdisciplinary program fuses interests in political economy, socioeconomic inequality and analysis of related policies and their consequences for social welfare in areas of income, housing, employment and education.

This program complements the current graduate curriculum at ASU and is structured to allow students to draw upon a combination of core courses in justice and social inquiry and coursework from units from throughout the university. The approach is transdisciplinary (i.e., inclusive of courses in a variety of disciplines but transcending disciplinary boundaries through an integrative core curriculum), intersectional (i.e., considering gender, race, class, nation and sexual relations) and transnational (courses that examine global and local concerns). It strengthens student understanding of the justice implications of the convergence of social and economic inequalities in the global economy.

#### Degree Requirements:

15 credit hours.

Required Core (6 credit hours)

Students must select one course from each of the following two areas of study:

Economic Justice (3 credit hours)

JUS 550 Gender, Race and Economic Justice (3) or

JUS 660 Globalization and Economic Justice (3) Conducting Research in Communities (3 credit hours)

JHR 525 Action Research in Social Justice and Human Rights (3) or

JUS 633 Community Research (3)

Electives (9 credit hours)

#### Additional Curriculum Information

Students must select three elective courses on socioeconomic justice from a restricted list, and they should see the academic unit for the full list of possible courses.

Only one 400-level course may be listed on the plan of study. Students must have prior approval from the director of the certificate program for use

of any 400-level course.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- at least one letter of recommendation
- statement of purpose for pursuing the certificate
- writing sample demonstrating excellent writing and analytical skills
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The letter of recommendation, statement of purpose and writing sample should be submitted to the justice and social inquiry program office.

**Career Opportunities:**

Graduates of this program are prepared to work in justice-related organizations, work in community colleges, pursue graduate programs and research in the justice field.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/certificate/certificate-socioeconomic-justice-cert>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## Sociology, MA (LASOCMA)

**Online Degree Search Title:** Sociology, MA

**Campus:** Online

**Program Description:**

The MA program in sociology provides advanced training for those preparing for applied careers in sociology. Students gain knowledge and skills that can be used to promote healthy individuals and families. They develop an understanding of how social context influences well-being and an understanding of the factors that promote successful relationships and positive outcomes.

The online format provides easy access to rigorous and valuable information that informs best practices in improving the lives of individuals, families and communities. The program also includes a customizable culminating experience that allows students to focus their training in their areas of interest and work.

**Degree Requirements:**

30 credit hours and the required capstone course (SOC 588).

Required Core (9 credit hours)

SOC 585 Sociological Theory (3)

SOC 586 Capstone I or FAS 586 Capstone I (3)

SOC 587 Capstone II or FAS 587 Capstone II (3)

Electives (12 credit hours)

Other Requirements (6 credit hours)

SOC 500 Research Methods (3)

SOC 501 Social Statistics (3)

Culminating Experience (3 credit hours)

SOC 588 Capstone III (3)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

SOC 500 and SOC 501 may be replaced by equivalent courses with approval by the academic advisor.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- current resume or curriculum vitae
- a personal statement of goals relevant to the master's degree program
- two letters of recommendation from academic or professional backgrounds
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency; required is a TOEFL score of at least 600.

The personal statement must be four to five pages long, double-spaced, and it should address the applicant's professional goals, applicant's strengths for success in the program, and any relevant professional experience or responsibilities that have been completed.

Letters of recommendation must be from at least two individuals with a professional or academic background and connection to the applicant. Family members and friends do not meet this criterion. Letters of recommendation will be received electronically.

Applicants should see the program website for application deadlines and admission terms.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-sociology/>)

**Career Opportunities:**

Professionals with expertise in research methodologies and data analysis and an understanding of social issues and cultural and social change are sought after in areas like human services, human resources, education, public policy and community service in the social service, business and nonprofit sectors.

Career examples include:

- case managers
- mediators
- mental health counselors
- probation officers
- social and community service managers
- sociologists
- sociology instructors
- social workers

- urban and regional planners

**Contact Information:**

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanforsschool.asu.edu/degree-programs/graduate-programs/sociology-ma>  
SS 144  
graduatesanford@asu.edu  
480-965-6875

**Sociology, PHD (LASOCPHD)**

**Online Degree Search Title:** Sociology, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in sociology provides advanced training in theory, research methodology and substantive fields to prepare sociologists for teaching and research with special emphasis on family, medical sociology and demography.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

SOC 603 Perspectives in Sociological Inquiry (3)

SOC 685 Applied Social Theory (3)

Theory (3 credit hours)

Methods (3 credit hours)

Statistics (3 credit hours)

Elective and Research (27 credit hours)

Culminating Experience (12 credit hours)

SOC 799 Dissertation (12)

**Additional Curriculum Information**

When approved by the student's supervisory committee and the Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used toward this degree.

A minimum of 30 credit hours of the approved doctoral program, exclusive of dissertation and research hours, must be completed after admission to the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree in sociology or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- personal statement detailing professional goals and research experiences
- writing sample
- GRE scores (verbal, quantitative and writing)
- three letters of appraisal from persons familiar with the applicant's academic background
- proof of English proficiency



#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A personal statement is required. It must be three pages or less, double-spaced, and address the applicant's professional goals and reasons for desiring to enroll in the program, describe strengths that will help the student succeed in the program and reach professional goals, describe research experience (include a description of master's thesis if applicable) and relevant responsibilities held, indicate personal research interests as specifically as possible, and include any additional information that will help the committee to evaluate the application.

Three letters of recommendation are required, including at least one from an instructor at the applicant's institution where graduate work was completed and at least one from an instructor at the applicant's institution where undergraduate or graduate work was completed. These letters should be from people who know the applicant as a student or in a professional capacity. Letters from family members or friends do not meet this criterion.

Students should see the program website for application deadlines.

#### Career Opportunities:

Professionals with expertise in research methodologies and data analysis and an understanding of cultural and social change, various social issues and phenomena are sought after in many areas, including human services, business, education, public policy, and community service and nonprofit sectors.

Career examples include:

- demographers
- mediators
- research professionals
- social and community service managers
- sociologists
- sociology instructors
- urban and regional planners

#### Contact Information:

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanforsschool.asu.edu/degree-programs/graduate-programs/sociology-phd>  
SS 144  
graduatesanford@asu.edu  
480-965-6978

## Spanish, MA (LSPANMA)

**Online Degree Search Title:** Spanish, MA

**Campus:** Tempe

#### Program Description:

The MA program in Spanish includes tracks in literature and culture and in linguistics. While the former includes Spanish, Spanish American and Mexican American literature and culture, the latter includes sociolinguistics or second language acquisition and applied linguistics.

Students admitted to the master's degree program in secondary education may elect Spanish as the subject matter field.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Spanish, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a portfolio.

Required Core (3 credit hours)

SPA 540 History of the Spanish Language (3)

Culminating Experience  
portfolio

#### Additional Curriculum Information

Students seeking a master's degree in Spanish should consult with the respective graduate representative.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants should provide an academic writing sample such as an academic term paper, critical paper or research paper approximately 10 to 25 pages, prepared in an upper-division or graduate Spanish course.

Applicants should provide a personal statement that is no more than two pages, summarizing past educational experiences and goals in pursuing a graduate degree.

#### Career Opportunities:

Professionals with this degree can confidently move into further academic, business and international fields. Skills developed through this program are valued for teaching positions, including in museums and libraries; translation work; work in a larger sector such as governmental, diplomatic and international business; and for careers in publishing, media, nonprofits, and international relations.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/spanish-ma>  
EDB L1-13  
silc@asu.edu  
480-965-6281

## Spanish, PHD (LASPANPHD)

**Online Degree Search Title:** Spanish, PhD

**Campus:** Tempe

#### Program Description:

The Spanish PhD program consists of two specializations in Spanish literature or culture and four tracks: early modern, linguistics, Mexican-American studies and visual cultures.

The specializations in Spanish literature or cultural studies, which are intended to be as flexible as possible, establish broad areas of competence through an individualized program of study set with the supportive guidance of the student's advisor.

In addition, the tracks in literature consist of five courses that allow for a specialization in early modern, Mexican-American studies or visual cultures.

Graduate courses in literature and cultural studies focus on the production, distribution and reception of texts and their linguistics, either written or visual (photographs, films, visual narratives, etc.), their linguistic, rhetorical and literary structure and functions, with an emphasis on literary theories and aesthetics. Many literature courses explore issues relating to gender, class, race, ethnicity, globalization, environmental humanities, disability theories, post-human theories and digital humanities.

The Spanish linguistics track offers advanced interdisciplinary graduate training that combines key areas in second language acquisition and teaching, applied linguistics, heritage language research and pedagogy, sociolinguistics, and bilingualism, with an emphasis on U.S. Spanish. In addition to taking core courses in Spanish linguistics, students can opt to specialize in one of the three following options: second language acquisition and teaching methodologies, heritage language research and pedagogy, and sociolinguistics and bilingualism. Students receive training in state of the art quantitative and qualitative research methods on the study of language from diverse perspectives.

#### **Degree Requirements:**

84 credit hours, a foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

Track (18 credit hours)

Focus Area (0 or 12 credit hours)

Electives (27 or 39 credit hours)

Research (12 credit hours)

SPA 792 Research (12)

Culminating Experience (12 credit hours)

SPA 799 Dissertation (12)

Additional Curriculum Information

The doctoral program in Spanish has four available tracks: early-modern Iberian studies, Spanish linguistics, Mexican American studies, and visual studies.

Students in the Spanish linguistics track are required to complete 12 credit hours in a focus area. Available focus areas are: second-language acquisition and teaching methodologies; heritage language research and pedagogy; and sociolinguistics, bilingualism and Spanish in the U.S. Students in this track complete a minimum of 27 credit hours of elective coursework.

Students in the early-modern Iberian studies, Mexican American studies, and visual studies tracks complete 39 credit hours of elective coursework and do not select a focus area.

The candidate must present an acceptable dissertation based on original investigation. The dissertation must represent a significant contribution to knowledge and demonstrate the candidate's ability to do independent, scholarly research.

Each candidate is expected to demonstrate a reading knowledge of one language other than English and Spanish. This language requirement must be satisfied before the candidate is eligible to take the comprehensive examination.

The written and oral comprehensive examination, designed to ascertain the candidate's knowledge and orientation in the field of study and competency to proceed with the dissertation, is required at or near the end of coursework.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish or equivalent from a regionally accredited institution. Applicants from other academic backgrounds with relevant coursework in Spanish language and cultural studies also may be evaluated by the admissions committee.

Applicants must have a minimum cumulative GPA of 3.75 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.75 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

It is recommended but not required that students applying for admission to the program submit GRE scores; this is especially advisable for applicants for the Spanish Graduate Fellowship Award.

Candidates for the program are required to demonstrate a near-native oral proficiency in Spanish and to show that they have developed a high order of expository prose in English and Spanish by presenting a term paper or a chapter of the master's degree thesis as their writing sample.

#### **Career Opportunities:**

Professionals with this degree can confidently move into the academic profession, careers in education (including in museums and libraries) and professions outside academia such as in the publishing industry, media, nonprofits and international relations. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- editors
- foreign language and literature teachers and professors
- instructional design coordinators
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/spanish-phd>  
EDB L1-13  
silc@asu.edu  
480-965-6281

## **Spanish Language Pedagogy (certificate), Certificate (LASPAPGRCT)**

**Online Degree Search Title:** Spanish Language Pedagogy (Graduate Certificate)

**Campus:** Tempe

#### **Program Description:**

Through graduate coursework, the certificate program in Spanish language pedagogy enables practicing teachers and graduate students to understand the process of Spanish language acquisition and learn cutting-edge teaching methodologies to make sound pedagogical decisions that lead to effective teaching and learning.

Students gain competence in designing effective and engaging Spanish language lessons for their students and learn to be sensitive to the needs of students with diverse linguistic and cultural backgrounds, such as heritage learners. Students learn to design accurate assessment

measurements, writing assignments and culture-based lessons as well as utilize modern technologies to enhance Spanish language education.

**Degree Requirements:**

18 credit hours and a portfolio.

Required Core (3 credit hours)

SPA 596 Second Language Methodologies (3)

Other Requirements (9 credit hours)

SPA 543 Structure of Spanish (3)

SPA 546 Heritage Language Pedagogy (3)

SPA 598 ST: Spanish Second Language Acquisition (3)

Electives (6 credit hours)

Culminating Experience (0 credit hours)

portfolio (0)

Additional Curriculum Information

For courses listed as other requirements, alternative courses may be used with approval of the certificate codirectors.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish, Spanish literature and culture, Spanish linguistics, applied linguistics, second language acquisition and teaching, or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

**Career Opportunities:**

Professionals with this certificate can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- editors
- foreign language and literature teachers and professors
- historians
- instructional coordinators
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/spanish-pedagogy-certificate>  
EDB L1-13  
SILC@asu.edu  
480-965-6281

## Spanish Linguistics, PHD (LASPALIPHD)

**Online Degree Search Title:** Spanish Linguistics, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in Spanish linguistics prepares students for entrance into an academic profession (teacher, scholar) as well as for a profession outside of academia.

This program offers advanced interdisciplinary graduate training that combines key areas in second language acquisition and teaching, applied linguistics, heritage language research and pedagogy, sociolinguistics and bilingualism with the supportive guidance of the student's advisor that best prepares the candidate for a productive career in the discipline of Hispanic studies.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

SPA 543 Structure of Spanish (3)

Track (9 credit hours)

Electives or Research (41 credit hours)

Other Requirements (19 credit hours)

COE 502 Introduction to Data Analysis (3)

GRD 791 Seminar: Preparing Future Faculty and Scholars (PFx) (1)

SPA 544 Spanish Phonology (3)

SPA 546 Heritage Language Pedagogy (3)

SPA 598 Topic: Research Methods for Linguists (3)

SPA 598 Topic: Sociolinguistics (3)

SPA 598 Topic: Spanish Second Language Acquisition (3)

Culminating Experience (12 credit hours)

SPA 799 Dissertation (12)

**Additional Curriculum Information**

Students choose a track from two available: in Spanish heritage studies and sociolinguistics, or in second language acquisition and teaching.

Students should see the academic unit for the approved course list for each track.

Other requirements courses may be substituted with approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used toward this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework is made up of electives or research to reach the required 84 credit hours.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.75 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.75 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- professional resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### Career Opportunities:

Professionals with the valued skills developed through this degree program can confidently move into academic, business, diplomatic, government and international fields.

Career examples include:

- area, ethnic and linguistics teachers and professors
- editors
- foreign language and linguistics teachers and professors
- instructional design coordinators
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/>  
EDB L1-13  
silc@asu.edu  
480-965-6281

## Statistics, MS (GCSTATMS)

**Online Degree Search Title:** Statistics, MS

**Campus:** Tempe

#### Program Description:

The MS program in statistics draws upon a wide spectrum of faculty research and teaching interests, including from faculty outside of the school. As a result, plans of study can be transdisciplinary and tailored to reflect students' individual needs and goals.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Mathematics (Statistics), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### Degree Requirements:

30 credit hours and a portfolio - Professional Track, or 30 credit hours including a thesis - Academic Track, or 30 credit hours including an applied project (STP 593) - Academic Track, or 30 credit hours, a written comprehensive exam and an oral comprehensive exam - Academic Track.

Required Core (3 credit hours)

ECN 525 Applied Regression Models (3) or

IEE 578 Regression Analysis (3) or

STP 530 Applied Regression Analysis (3)

Track Coursework (9 or 12 credit hours)

Electives (9-18 credit hours)

Culminating Experience (0-6 credit hours)  
ECN 599 or IEE 599 or STP 599 Thesis (6)  
STP 593 Applied Project (3)  
oral and written comprehensive exam (0)  
portfolio (0)

#### Additional Curriculum Information

Students in the Masters of Science program in statistics are required to select one of the two available tracks, the academic track or the professional track. Students should speak with their advisor in regards to the selection of a track and elective coursework based on the target career.

Students in the professional track complete the portfolio culminating experience and students in the academic track choose from an applied project, thesis or comprehensive exams.

Prerequisites may not be used to complete the 30 credit hours required for the degree.

If a student selects the thesis or applied project options, they must be defended at an oral examination. The thesis must conform to the Graduate College format requirements.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, statistics or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

#### Additional Curriculum Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants should have completed the following courses (equivalents at ASU are given in parentheses) and applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission:

- advanced calculus (MAT 371)
- calculus (MAT 270, MAT 271 and MAT 272)
- computer programming (CSE 100)
- introductory statistics (STP 420)
- linear algebra (MAT 342)

#### **Career Opportunities:**

Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. For students pursuing a master's degree in statistics, that means a broad variety of career opportunities available in fields as diverse as business, finance, engineering, technology, education, marketing, government and other areas of the economy.

These are just a few of the top career opportunities for graduates who hold a Master of Science in statistics:

- actuary
- business consultant or analyst
- data scientist
- financial analyst
- market research analyst
- software engineer
- statistician



This program also provides preparation for students interested in doctoral study and a faculty-track academic career.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/degrees/graduate/statistics-ms>  
WXMLR A216  
grad.math@asu.edu  
480-965-3951

## Statistics, PHD (LASTPPHD)

**Online Degree Search Title:** Statistics, PhD

**Campus:** Tempe

**Program Description:**

As a science, statistics focuses on data collection and data analysis by using theoretical, applied and computational tools. The PhD program in statistics reflects this breadth in tools and considerations while allowing students sufficient flexibility to tailor their program of study to reflect individual interests and goals. Research can be of a disciplinary or transdisciplinary nature.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

STP 526 Theory of Statistical Linear Models (3)

Other Requirements (15 credit hours)

IEE 572 Design Engineering Experiments (3) or STP 531 Applied Analysis of Variance (3)

IEE 578 Regression Analysis (3) or STP 530 Applied Regression Analysis (3)

STP 501 Theory of Statistics I: Distribution Theory 3 (3)

STP 502 Theory of Statistics II: Inference (3)

STP 527 Statistical Large Sample Theory (3)

Electives (42 credit hours)

Research (12 credit hours)

STP 792 Research (12)

Culminating Experience (12 credit hours)

STP 799 Dissertation (12)

Additional Curriculum Information

Electives are to be chosen from statistics or related area courses approved by the student's supervisory committee.

Other requirements courses may be substituted with department approval.

Students must pass:

- one qualifying examination and coursework in analysis
- a written comprehensive examination
- a dissertation prospectus defense

Students should see the department website for examination information.

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, statistics or a closely related area, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Completion of the following courses (equivalents at ASU are given in parentheses) is required. Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission.

- calculus (MAT 270, 271 and 272)
- advanced calculus (MAT 371)
- linear algebra (MAT 342)
- computer programming (CSE 100)
- introductory applied statistics (STP 420)

#### **Career Opportunities:**

Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. Data and the analysis of data is big business, and the Department of Labor projects a 25% growth in the need for employees trained in data analytics. For students pursuing a doctorate in statistics, that means a broad variety of career opportunities in fields as diverse as business, finance, engineering, technology, education, marketing, government and other areas of the economy.

These are just a few of the top career opportunities available for a graduate with a doctoral degree in statistics:

- actuary
- business consultant or analyst
- data science professor, instructor or researcher
- data scientist
- faculty-track academic
- financial analyst
- market research analyst
- software engineer
- statistician

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/degrees/graduate/statistics-phd>  
WXLR A216  
grad.math@asu.edu  
480-965-3951

## **Statistics (certificate), Certificate (GCSTATCE)**

**Online Degree Search Title:** Statistics (Graduate Certificate)

**Campus:** Tempe

#### **Program Description:**

The statistics certificate program provides statistical training for graduate students at ASU and working professionals in the Phoenix metropolitan area.

The program draws upon a variety of faculty research and teaching interests from various academic units so programs of study can be tailored to reflect individual needs and goals. This certificate program is part of the shift in the School of Mathematical and Statistical Sciences' statistics curriculum to include data science coursework. In particular, there are several new machine learning classes that are available to certificate students.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

STP 530 Applied Regression Analysis (3) (or ECN 525 or IEE 578)

STP 531 Applied Analysis of Variance (3) (or ECN 530 or IEE 572)

Electives (9 credit hours)

Additional Curriculum Information

The nine elective credits are taken from a set of courses approved by the School of Mathematical and Statistical Sciences.

Students must have a GPA of at least 3.00 (scale is 4.00 = "A") in the courses which apply to the certificate.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants should have completed the following courses (equivalents at ASU are given in parentheses):

- introductory applied statistics (ECN 221, STP 226 or STP 420)
- one semester of calculus (MAT 210, MAT 265 or MAT 270)

Applicants are also required to have some computer literacy with knowledge of a programming language, a spreadsheet program or a statistical software program.

**Career Opportunities:**

Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market.

Graduates of this program have knowledge that may be applied in a broad variety of career opportunities in fields as diverse as business, finance, engineering, technology, education, marketing, government and other areas of the economy. These are just a few of the top career opportunities supported by the statistics certificate program:

- business consultant or analyst
- data analyst
- financial analyst
- market research analyst
- statistician

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>  
WXLR A216

## Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)

**Online Degree Search Title:** Teaching English to Speakers of Other Languages, MTESOL

**Campus:** Tempe, Online

### Program Description:

The Master of Teaching English to Speakers of Other Languages program is for individuals who wish to build a career in the international field of teaching the English language.

Students develop scholarly and professional knowledge and skills in four main areas that are central to teaching English to speakers of other languages: language, learning, teaching and research.

Students have opportunities to study a variety of key topics, including second language acquisition, computer-assisted language learning, critical pedagogy, curriculum design, World Englishes, English as an international language, English for specific purposes, English grammar and grammar for TESOL, intercultural rhetoric, discourse analysis, interlanguage pragmatics, language and identity, language testing and assessment, learning transfer, materials development, nonnative English speakers in TESOL, second language phonology and second language writing.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English (Linguistics), BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

30 credit hours including the required capstone course (LIN 597) and a foreign language exam.

Required Core (12 credit hours)

LIN 501 Approaches to Research (3)

LIN 510 Linguistics (3)

LIN 520 Second-Language Acquisition Theories (3)

LIN 521 Methods of Teaching English as a Second Language (3)

Other Requirement (3 credit hours)

LIN 584 Internship (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)

LIN 597 Capstone (3)

Additional Curriculum Information

The foreign language requirement must be completed during the program prior to the master's degree being awarded.

The capstone is overseen by a director chosen from the Department of English linguistics and TESOL faculty.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants may have undergraduate majors in the following fields, but are not limited to these: anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, education, English literature, history and law.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose

- resume
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Students should see the Department of English website for specific details about English proficiency requirements. (<https://english.asu.edu/admission/graduate-admission/how-to-apply/information-international-students>)

The one-page, single-spaced statement of purpose should explain how the master's degree program fits with the applicant's long-term goals.

Letters of recommendation should provide a clear picture of the applicant's potential for successfully completing a master's degree. At least some of the letters should be from university professors who are familiar with the applicant's academic work and with master's level academic programs.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-teaching-english-speakers-other-languages/>)

#### Career Opportunities:

Language professionals with training and expertise in TESOL remain in high demand in the US and abroad. TESOL-related skills are valuable in businesses and institutions and to individuals across a wide range of linguistic and cultural contexts who rely on the ability to learn, teach and communicate effectively in our globally connected world.

Career examples include:

- adult education teacher
- consultant
- English language teacher
- foreign language teacher
- international aid worker
- interpreter
- materials designer or developer
- online language instructor
- program and curriculum developer
- refugee English coordinator
- subtitler
- teacher trainer
- translator
- tutor

#### Contact Information:

Liberal Arts and Sciences, The College of  
 Department of English  
<https://english.asu.edu/degrees/grad/masters-teaching-english-tesol>  
 RBHL 125  
[enggrad@asu.edu](mailto:enggrad@asu.edu)  
 480-965-3194

## Transborder Studies, MAS (LATCLMAS)

**Online Degree Search Title:** Transborder Studies, MAS

**Campus:** Tempe

#### Program Description:

The MAS program in transborder studies is designed for students interested in border issues and communities. Students learn from interdisciplinary scholars, both in the social sciences and humanities, in order to develop their individualized plan of study and focus area.

The program has historically been grounded in and inspired by the geographical specificity of the U.S.-Mexico border. Given the massive scale of globalization in the 21st century and its influence on local, regional, national, subnational and international environments, the program examines transborder regions and populations around the world, including metaphorical, linguistic and cultural borders, as well as patterns and implications of immigration and migration.

**Degree Requirements:**

30 credit hours including the required capstone course (TCL 608)

Required Core (12 credit hours)

TSS 502 Foundations of Transborder Studies (3)

TSS 503 Epistemologies and Transborder Thought (3)

TSS 504 Tools for Transborder Research (3)

TSS 505 Theories and Methods of Migration, Health and Applied Social Policy in a Transborder Context (3) or TSS 506 Theory and Methods of Transborder Media and Expressive Culture (3) or TSS 507 Theory and Methods of Transborder Cultural Acquisition, Language Development and Learning (3)

Other Requirements (15 credit hours)

TCL 601 Internship in Transborder Studies (3 semesters) (9)

TCL 691 Seminar (6)

Culminating Experience (3 credit hours)

TCL 608 Capstone Course: Transmitting Transborder Studies to Publics and Institutions (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the social sciences, humanities, sciences, health, education, business or professional field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letter of recommendation (colleagues or professors)
- proof of English proficiency

Additional Application Information:

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. For more information, students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

**Career Opportunities:**

Students have the opportunity to engage in innovative research or applied experiences. Depending on the plan of study, students may focus on a trajectory in academia with interests to pursue research opportunities or a doctoral degree. Students who wish to pursue career options outside of academia may focus the plan of study on a more professional and applied track with potential interest in local, state, national, non-governmental organizations or international agencies.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Transborder Studies

<https://sts.asu.edu/degree/graduate/mas-transborder-studies>

INTDSB 165  
sts.grad@asu.edu  
480-965-5091

## Transborder Studies, PHD (LATCLPHD)

**Online Degree Search Title:** Transborder Studies, PhD

**Campus:** Tempe

### Program Description:

The PhD program in transborder studies develops the next generation of superior research, scholarship and application in transborder and transnational contexts.

Students gain foundational knowledge in transborder, transnational and border issues from interdisciplinary scholars in anthropology, history, literature, political science, public policy, sociology, urban planning, and women and gender studies.

Faculty in the program approach transborder studies in a way that has been historically grounded in and inspired by the geographical specificity of the U.S.-Mexico border and the Chicano, Chicana, Latino and Latina populations. Arizona State University's proximity to the U.S.-Mexico border and the faculty's expertise make the university the ideal place of study. Given the massive scale of globalization in the 21st century and its influence on local, regional, national and transnational environments, the program is expanding to examine other transborder regions and populations.

### Degree Requirements:

84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

TSS 502 Foundations of Transborder Studies (3)

TSS 503 Epistemologies and Transborder Thought (3) or TSS 504 Theories and Methods for Transborder Research (3)

Electives and Research (36 credit hours)

Dissertation (12 credit hours)

TSS 799 Dissertation (12)

Additional Curricular Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not already have a master's degree in a related field, then the remaining 30 credit hours are made up of electives and research that equal the 84 credit hours required for the doctoral program.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree in a related field such as anthropology, economics, education, sociology, literature or psychology from a regionally accredited institution. Applicants who have earned a master's degree in another discipline must align their scholarly interests with the program's mission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letters of recommendation (from academicians)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. For more information, students should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The personal statement should include an explanation of past experiences and current scholarly interests but concentrate on potential areas of

research that draw upon the specific resources of the department and faculty.

**Career Opportunities:**

Depending on the plan of study, students may focus on a trajectory in academia with career options as faculty or in research positions. Students who wish to pursue career options outside of academia may focus the plan of study on a more professional and applied track with potential interest in local, state, national or international agencies.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Transborder Studies  
<https://sts.asu.edu/degree/graduate/phd-transborder-studies-phd>  
INTDSB 165  
sts.grad@asu.edu  
480-965-5091

## Transdisciplinary Transportation Studies (certificate), Certificate (GCTRANSCE)

**Online Degree Search Title:** Transdisciplinary Transportation Studies (Graduate Certificate)

**Campus:** Tempe

**Program Description:**

Transportation has emerged as one of the highest priority issues for policymakers, planners, employers and citizens.

To respond to this challenge, the transdisciplinary transportation studies certificate program builds upon existing ASU programs in a variety of disciplines offered in five colleges and two campuses, giving ASU graduate students and current and future transportation professionals the opportunity to pursue a wide range of transportation-related issues from a multimodal, interdisciplinary perspective.

Students collaborate with researchers and professionals across academic disciplines that include policy, planning, economics, technology, behavior, location, land use, equity and sustainability; with different research methods; and, focused on transport modes that range from walking to air travel.

The program is intended to be either a specialization within an existing master's degree or as a stand-alone nondegree program.

ASU is a transdisciplinary hub for innovative and integrative transportation research and education. This work contributes to the development of smart, sustainable and socially equitable transportation systems. These systems leverage technology to foster resilient communities and high quality of life, locally and globally.

**Degree Requirements:**

16 credit hours including the required applied project course (PUP 593).

Required Core (3 credit hours)

PUP 564 Transportation Systems Professional Seminar (3)

Transportation Electives (9 credit hours)

Other Requirement (1 credit hour)

CEE 591 Interdisciplinary Transportation Seminar (1)

Culminating Experience (3 credit hours)

PUP 593 Applied Project (3)

Additional Curriculum Information

Students take three credit hours from each category for a total of nine credit hours to fulfill the transportation elective requirement.

- from any school in The College of Liberal Arts and Sciences
- from a college outside of The College of Liberal Arts and Sciences
- from subject prefixes CEE, PUP, GPH, GIS, SOS, PAF

Elective coursework is taken in consultation with the academic advisor.

**Admission Requirements:**



Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of interest
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants who wish to seek a graduate degree in any of the cooperating departments and who are not currently enrolled at ASU must complete the full graduate school application process as specified by the department of interest in addition to the online application for the transdisciplinary transportation studies certificate. The applications are evaluated independent of each other.

Applicants are asked to explain in their letter of interest what they expect to gain from the transportation studies certificate program and the types of courses in the program that would be the most helpful in meeting their objective.

Disclosure information for this U.S. Department of Education Gainful Employment program is available at <https://catalog.asu.edu/files/disclosures/GCTRANSCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/GCTRANSCE/Gedt.pdf>).

#### **Career Opportunities:**

Professionals with expertise in transportation systems are in high demand across sectors and industries, including consulting firms, government agencies and community organizations. Skills in the analysis of transportation alternatives and interrelationships with other disciplines are valuable to businesses and institutions relying on an integrated systems approach to solving complex real-world problems.

Career examples include:

- airfield operations specialist
- logistics analyst
- supply chain manager
- transportation analyst
- transportation engineer
- transportation planner

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/transcert>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## **Translation Studies (Certificate), Certificate (LALTSGRCT)**

**Online Degree Search Title:** Translation Studies (Graduate Certificate)

**Campus:** Tempe

#### **Program Description:**

The graduate certificate in translation studies is a transdisciplinary program offering coursework that provides intensive engagement of students in translation practice, investigation of issues related to the cultural role of the translator and translation, studies in the variety of theoretical approaches to translation in the 20th and 21st centuries, and studies in transhistorical and cross-cultural theories of translation.

These areas of emphasis enable students to gain expertise in practical and theoretical knowledge of the field of literary translation and to engage in developing new models for the practice of translation today. The program offers interested students the opportunity to develop an understanding of intercultural intersections and transdisciplinary approaches to the practice of translation and advanced training and mentorship.

**Degree Requirements:**

15 credit hours including an applied project course (ENG 593 or SLC 593).

Required Core (6 credit hours)

ENG 550 Translation (3)

SLC 551 Global Approaches to Translation (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

ENG 593 Applied Project (3) or SLC 593 Applied Project (3)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The personal statement should be no more than two pages and should summarize past educational experiences and goals in pursuing a graduate certificate.

Applicants should have knowledge of a language other than English, a minimum of six semesters of a second language, or the equivalent (for example, advanced placement in high school). Applicants who have passed a language proficiency exam achieving an advanced level in the target language may also apply.

As a prerequisite for taking SLC 551 Global Approaches to Translation, all students must attain an advanced level in reading and writing (equivalent of advanced American Council on the Teaching of Foreign Languages requirements, approximately equivalent to six semesters of undergraduate study) as measured by a written exam in the target language (i.e., French, German, Italian, Spanish). Students should refer to the ACTFL guidelines (<https://www.actfl.org/resources/actfl-proficiency-guidelines-2012> (<https://www.actfl.org/resources/actfl-proficiency-guidelines-2012>)).

**Career Opportunities:**

Professionals with this certificate can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- archivists
- editors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of International Letters and Cultures  
<https://silc.asu.edu/degrees/grad/literary-translation-studies-graduate-certificate>  
 EDB L1-13  
 silc@asu.edu  
 480-965-6281

**Urban and Environmental Planning, MUEP (ARURBMUEP)**

**Online Degree Search Title:** Urban and Environmental Planning, MUEP

**Campus:** Tempe

**Program Description:**

The MUEP program prepares students to help solve complex social, economic and environmental issues and create healthier, safer and more vibrant communities. The master's degree program emphasizes theories of planning, methods of analysis, effective public engagement, planning processes and creative implementation of planning tools, strategies and approaches. It is accredited by the Planning Accreditation Board. Students who join the program are eligible for certification by the American Institute of Certified Planners after two years of professional practice.

The Master of Urban and Environmental Planning program offers a unique opportunity to integrate urban and environmental aspects of planning in a rapidly developing metropolitan area. Small classes, one-on-one advising and a common core of courses that translate knowledge into practice provide students opportunities to build technical skills and grow their professional network.

As a part of the School of Geographical Sciences and Urban Planning, the program is enriched by school faculty whose research and teaching are grounded in geography, GIS, and meteorology and climatology. Students have access to a wide selection of electives within the school, electives that explore issues such as population and migration, environmental and landscape dynamics, and urban climate systems. The program is also complemented by the participation of faculty from other disciplines within the university and collaboration with leading planning practitioners in the Phoenix area.

Faculty research and teaching interests focus especially on the following broad interdisciplinary themes:

- city building and urban structure
- environmental and resiliency planning
- housing, neighborhoods and community development
- spatial analytics and smart cities
- transportation planning and policy

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- Public Administration - Downtown Phoenix, MPA
- Public Policy, MPP
- Sustainability Solutions, MSUS

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Geographic Information Science, BS
- Geography, BA
- Geography, BS

Geography (Meteorology-Climatology), BS  
Urban Planning, BSP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

47 credit hours and a thesis, or 47 credit hours including the required applied project course (PUP 593), or 47 credit hours including the required capstone course (PUP 580).

Required Core (24 credit hours)

- PUP 501 Planning, History and Theory (3)
- PUP 520 Planning Practice, Ethics and Processes (3)
- PUP 531 Planning and Development Control Law (3)
- PUP 542 Environmental Planning (3)
- PUP 544 Urban Land Use Planning (3)
- PUP 571 Planning Methods I (3)
- PUP 579 Planning Methods II (3)
- PUP 642 Urban and Regional Economic Analysis (3)

Electives (14-15 credit hours)

Other Requirement (3 credit hours)

- PUP 576 GIS Workshop for Planners (3)

Culminating Experience (5-6 credit hours)

- PUP 580 Practicum: Planning Workshop (5) or
- PUP 593 Applied Project (5) or
- PUP 599 Thesis (6)

Additional Curriculum Information

Students must complete the required core courses and select an area of specialization. Students must also select a capstone studio, a professional project or a thesis option. Successful completion of an approved statistics course, if not achieved by the student as an undergraduate, will be required as a deficiency.

Students take 17 credit hours of electives for the thesis option and take 18 credit hours of electives for nonthesis.

Students take PUP 576 or another methods course approved by the department.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement should be no longer than 600 words and must address the applicant's academic and professional background and, if appropriate, preparation for the selected area of specialty which may include written samples or a portfolio, though these are not required.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements.

**Career Opportunities:**

Professionals with expertise in planning theory and practice are in high demand across sectors and industries, including planning consulting firms, local governments and community organizations. Skills in environmental impact assessment, geographical data analysis and community resiliency planning are valuable to businesses and institutions relying on practical, research-based approaches to solve complex real-world problems.

Alumni of the Master of Urban and Environmental Planning program work as professional planners in a variety of public, private and nonprofit settings. Career examples include:

- city and regional planning aide
- geospatial information technologist
- social services director
- sustainability specialist
- transportation planner
- urban and regional planner

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/graduate-degrees/master-urban-environmental-planning>  
COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Urban Planning, PHD (ARPUPPHD)

**Online Degree Search Title:** Urban Planning, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in urban planning educates scholars for positions in leading universities; research institutions; nongovernmental organizations; international multilateral institutions; national, state and local governments; and high-level consulting firms. The program provides a strong foundation for undertaking research in planning, urbanism, urban design and urban sustainability.

The School of Geographical Sciences and Urban Planning maintains close relationships with many of the communities in the Phoenix metropolitan area that are leading the way on issues like urban climate change, sustainability and transportation planning. Students have opportunities to interact with planning leaders, mentors and community organizations. Students conduct research alongside faculty, take classes focused on current issues in the field, conduct research and reports for local clients, and start building their professional network across the public, private and non-profit sectors.

Students benefit from a wide variety of coursework and research opportunities in five broad interdisciplinary themes that span the expertise of the faculty within the School of Geographical Sciences and Urban Planning:

- city building and urban structure
- environmental and resiliency planning
- housing, neighborhoods and community development
- spatial analytics and smart cities
- transportation planning and policy

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)

PUP 710 Current Planning Theory and Practice (3)

PUP 724 Planning Methods for Doctoral Students (3)

Electives and Research (34 credit hours)

Other Requirement (2 credit hours)

PUP 701 Urban Planning Colloquium (1)

Culminating Experience (12 credit hours)

PUP 799 Dissertation (12)

#### Additional Curriculum Information

Students take two semesters of PUP 701 for a total of two credit hours.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

Up to six credit hours of 400-level courses may be applied to the plan of study.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree in a related field such as urban studies, geography, environmental studies, sustainability, architecture, public policy or public administration from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program and a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement must be 600 words or fewer and explain the applicant's interest in planning at the doctoral level; academic and professional background and, if appropriate, preparation for the selected area of specialty which may include written samples or portfolio; and educational and professional objectives.

Letters of recommendation should be from three faculty members who can attest to the applicant's academic achievements.

#### Career Opportunities:

Professionals with expertise in planning research, theory and practice are in high demand across sectors and industries, including institutions of higher education, planning consulting firms and community organizations. Skills in environmental impact assessment, geographical data analysis and community resiliency planning are valuable to organizations and institutions relying on research-based approaches to solve complex real-world problems.

Career examples include:

- chief sustainability officer
- city and regional planning aide
- environmental restoration planner
- transportation planner
- urban and regional planner
- urban planning teacher, postsecondary

#### Contact Information:

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning

<https://sgsup.asu.edu/degree-programs/graduate-degrees/phd-urban-planning>

COOR 5671  
SGSUP.gradprograms@asu.edu  
480-965-7533

## Women and Gender Studies, MA (LAWSTMA)

**Online Degree Search Title:** Women and Gender Studies, MA

**Campus:** Tempe

### Program Description:

The MA program in women and gender studies is designed for students who wish to gain research skills and knowledge about gender analysis and to apply those tools to real-world problems and solutions. The program is designed for those who want a master's degree as a terminal degree.

This flexible, 30 credit hour master's degree program provides advanced training in feminist research, theory and methodologies. All students may take an internship and all must complete an applied project in which students conduct research that addresses practical, site-specific problems linked to gender. Final projects may take a variety of forms, including program assessments, grant proposals, tests of new interventions or curricula, and so on. These projects may help lead students to careers in human services, program evaluation, policy development and other fields.

Full-time students can complete the degree program within two years while part-time students take longer but can combine work with study.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Women and Gender Studies, BA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (WST 593).

Required Core (6 credit hours)

WST 501 Foundations of Feminist Thought (3)

WST 502 Interdisciplinary Gender Research Methodologies (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)

WST 593 Applied Project (6)

Additional Curriculum Information

Students must successfully provide an oral defense of the applied project.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students may be admitted with a BA or BS in any field as long as they have completed two courses in women and gender studies or have equivalent experience. Appropriate majors may include women, gender and sexuality studies; history; English; sociology; religious studies; social work; psychology; communication or ethnic studies. Students who have previously majored in a science, technology, engineering or mathematics field and have interests in gender and education or gender and science may also apply for this program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from all college and universities where the applicant earned a bachelor's or master's degree
- personal statement
- resume or curriculum vitae
- writing sample
- two or three letters of recommendation
- relevant coursework
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement should be approximately 1,000 words and describe any prior research experience and training, professional goals and research interests, and the fit between interests and the program's emphases. The statement should be uploaded.

The writing sample should be seven to 10 pages. This can include a research brief or report, a white paper, a policy paper or a paper for a recent academic course. The writing sample should reflect the applicant's writing ability and critical thinking skills.

The letters of recommendation should be from a recommender who can speak to the applicant's strengths and weaknesses for graduate study; critical thinking, writing, speaking and presentation skills; intellectual ability; leadership potential; interpersonal skills and ability to work with others; or other relevant accomplishments that best highlight the applicant's ability to complete a graduate degree in women and gender studies.

The list of relevant coursework should include at least two courses, undergraduate or graduate, the applicant has taken that focus on gender or women. In addition, the applicant should list any research methods or social justice courses.

GRE scores are not required for admission.

Further details about application requirements and application deadlines are available on the School of Social Transformation's webpage.

#### **Career Opportunities:**

Graduates of the program have gone on to careers at universities, research and policy institutes, government organizations and nonprofit organizations.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/graduate/ma-women--gender-studies>  
WILSN 125  
SSTgraduate@asu.edu  
480-965-7682

## **World War II Studies, MA (LAWWSMA)**

**Online Degree Search Title:** World War II Studies, MA

**Campus:** Online

#### **Program Description:**

Through advanced interdisciplinary study of World War II, students in the MA program in World War II studies explore the causes and effects of World War II, the global nature of the conflict, the evolution of governance and political systems, and human responses to conflict, violence and genocide. Program coursework also helps students contextualize current events through study of the war's historical, political and cultural legacies.

#### **Degree Requirements:**

30 credit hours including the required capstone course (WWS 597).

Required Core (12 credit hours)

WWS 561 Decision Points I (3)

WWS 562 Decision Points II (3)

WWS 563 The Lived Experience of World War II (3)

WWS 566 World War II Today (3)

Electives or Research (9 credit hours)

Other Requirements (6 credit hours)

HST 454 History of Genocide (3) or WWS 564 The Global War (3)

WWS 460 World War II (3) or HST 460 World War II (3)

Culminating Experience (3 credit hours)

WWS 597 Capstone (3)

Additional Curriculum Information



Students should refer to the academic unit for the approved electives and research course list.

For the other requirements section, students must take either HST 454 or WWS 564. If a student chooses to take HST 454 to fulfill the requirement, they may take WWS 564 as an elective. Likewise, if a student chooses to take WWS 564 to fulfill a requirement, they may take HST 454 as an elective. Other coursework may be used with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university. Students from any field who demonstrate potential are considered for admission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent or written statement
- written responses to unit-developed prompts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

An applicant's potential for success is determined by the quality of writing and clarity of thought demonstrated in the letter of intent and responses to the application questions. Letters of recommendation that point to a student's ability to deliver high-quality academic work and persist to an academic goal receive priority. An applicant's GPA and academic performance, particularly in humanities coursework, also indicate potential.

During the application process, applicants are prompted to write short written responses to World War II-related questions. These responses serve to demonstrate to the committee a student's writing ability and potential for thoughtful participation in degree coursework.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/world-war-ii-studies-ma/>)

**Career Opportunities:**

The Master of Arts program in World War II studies provides students the fundamental training needed for careers in research, teaching, public history, government service and a host of other positions in the public, private and nonprofit sectors. Graduates serve as first-rate historians, highly qualified teachers at the elementary, secondary levels, community colleges, researchers and consultants, archivists, foreign service officers, management professionals, community organizers and public servants.

Career examples include:

- archivist
- college instructor
- editorial and publishing professional
- museum director and staff
- nonprofit director
- research professional

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/ma-world-war-ii-studies>  
COOR 4544  
shprs@asu.edu  
480-965-5778

## Nursing and Health Innovation, Edson College of

### Acute Care Pediatric Nurse Practitioner (certificate), Certificate (NUACPNGRCT)

**Online Degree Search Title:** Acute Care Pediatric Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses who are board certified in a different APRN specialty who seek additional certification as an acute care pediatric nurse practitioner, for nurses with a doctoral degree in nursing who seek to become an acute care pediatric nurse practitioner, and as a pathway to obtain a DNP degree.

The acute care pediatric nurse practitioner program prepares pediatric nurses to meet the physical, psychological and social needs of infants, children, adolescents and young adults. Core courses including pharmacology, advanced pathophysiology, advanced health assessment, and others determined by the student's unique gap analysis must be completed in the past five years to be eligible for credit. Specialty courses focus on assessment and management of a supportive, family-centered, culturally appropriate plan of care for pediatric patients with unstable chronic, complex acute and life-threatening illnesses.

This program is offered in a hybrid format that requires students to travel to campus for up to one week for orientation at the beginning of the program and then two or three times each semester.

Focused clinical experiences are arranged with appropriate preceptors for students residing in Arizona. Students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in the program, the student is required to complete the clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for securing one or more clinical sites in their area of residence. These sites must be approved by Edson College of Nursing and Health Innovation and a contract established with the site before students start any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

#### Degree Requirements:

20 credit hours.

Required Core (20 credit hours)

DNP 606 Principles of Pediatric Acute Care I (3)

DNP 607 Advanced Pediatric Acute Care Practicum I (7)

DNP 619 Principles of Pediatric Acute Care II (3)

DNP 620 Advanced Pediatric Acute Care Practicum II (7)

#### Additional Curriculum Information

Every certificate student must complete 600 hours of direct patient care with a nurse practitioner or physician preceptor in the clinical setting. Documented clinical experiences are required by the Pediatric Nursing Certification Board in order for the graduate to be eligible to take the national pediatric nurse practitioner acute care certification examination. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt is made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation.
- professional resume
- goal statement
- admission essay
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Must be nationally certified as a primary care pediatric nurse practitioner. Nationally certified family nurse practitioners working as a nurse practitioner in a pediatric setting will be considered.

The goal statement should indicate the applicant's understanding of the role of the advance practice nurse with the population of interest and any experience the applicant may have working with the patient population of interest.

The admission essay should briefly describe how meeting "The Essentials of Doctoral Education for Advanced Nursing Practice" (2006) will further their career goals.

An interview with program faculty is required.

One year of clinical experience working in the pediatric acute care setting is preferred

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

**Career Opportunities:**

The acute care pediatric nurse practitioner role has grown exponentially in the past decade and the demand for board certified advanced practice acute care providers has never been higher. Graduates of the Edson College of Nursing and Health Innovation advanced practice nursing DNP program are prepared to provide health care for newborns, children, adolescents and young adults. Careers include:

- acute care home services
- critical care
- education and training of future health care providers
- emergency care
- inpatient hospitalist service
- specialty service provider
- transport teams

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
HLTHN 113  
dnpnursing@asu.edu  
602-496-0937

## Adult Gerontology Nurse Practitioner (Certificate), Certificate (NUAGNPGRCT)

**Online Degree Search Title:** Adult Gerontology Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

### Program Description:

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses who are board-certified in a different APRN specialty area who seek additional certification as an adult gerontology primary care nurse practitioner and for nurses with a doctoral degree in nursing who seek to become an adult gerontology nurse practitioner.

This certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for orientation and then two or three times per semester. Adult gerontology-focused theory and clinical courses include theories, principles and clinical skills in the care of adults across the lifespan.

Focused clinical experiences are arranged with appropriate preceptors and administrators for students residing in Arizona. In-state students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in the program, the student is required to complete the clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for identifying one or more clinical sites in their area of residence. These sites must be approved by the Edson College of Nursing and Health Innovation before starting any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

### Degree Requirements:

22 credit hours.

Required Core (22 credit hours)

DNP 623 Adult-Gerontology Health Promotion (3)

DNP 624 Adult-Gerontology Health Promotion Practicum (3)

DNP 625 Management of Common Health Problems in Adult-Gerontology: Theory (3)

DNP 626 Management of Common Health Problems in Adult-Gerontology: Practicum (5)

DNP 627 Management of Complex Health Problems in Adult-Gerontology: Theory (3)

DNP 628 Management of Common Health Problems in Adult-Gerontology: Practicum (5)

Additional Curriculum Information

Nurses who complete this certificate meet the eligibility requirements for taking the National Adult Gerontology Nurse Practitioner Certification Examination. In addition to completing didactic courses, students complete 13 credit hours (585 clock hours) of practicum experiences in a community setting.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized,  
Academic Catalog Archive 2021-2022

regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

All students are required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to submit an admission essay and:

- describe career goals for the next five to 10 years and discuss how obtaining a NP certificate from Arizona State University will help meet these goals
- read *The Essentials of Doctoral Education for Advanced Nursing Practice (2006)* from the American Association of Colleges of Nursing, then focus on one of the first seven essentials and describe how meeting this essential will further the stated career goals

All Edson College of Nursing and Health Innovation students are required to complete health and safety requirements, and must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

### **Career Opportunities:**

Graduates of the adult gerontology nurse practitioner certificate program have the knowledge and training to provide health care for patients in a wide variety of settings. This broad base of comprehension and clinical expertise enables them to effectively participate and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## **Advanced Nursing Practice, DNP (NUANPDNP)**

**Online Degree Search Title:** Advanced Nursing Practice, DNP

**Campus:** Downtown Phoenix

**Program Description:**

The DNP program, accredited by the Commission on Collegiate Nursing Education, is designed for master's degree-prepared advanced practice nurses seeking a Doctor of Nursing Practice degree.

Courses are designed for clinical experts and are innovative, interesting and organized to provide students with expert colleagues and mentors across the U.S. who can challenge them to take their practice to a new level.

Graduates of this program are able to facilitate the application and integration of research into clinical practice using innovative approaches to improve health care outcomes of populations and individuals across multiple settings.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two to three times per semester.

**Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (21 credit hours)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 605 Advanced Health Assessment Across Lifespan (3)

DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)

DNP 609 Advanced Practice Nursing Role (1)

DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)

DNP 705 Health Care Outcome Management (3)

DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Electives and Research (28 credit hours)

Other Requirement (32 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)

DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

DNP 711 Healthcare Policy and Innovation (3)

DNP 712 Clinical Residency and Management (12)

DNP 715 Dynamics and Principles of Information in Health Care (3)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Applicants to the post-master's program should identify a relevant clinical issue related to advanced practice nursing that they would like to pursue during their doctoral program. Students complete 540 hours of clinical practice residency and the program courses. Completion of an evidence-based doctoral applied project is required. Each project is developed individually with each student. Each student has a primary mentor working with them on the project. Clinical practice residency hours are used to complete the project in a practice setting; work settings may be included, but specific objectives are developed individually with each student and may be different from the student's job. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program and up to 10 credit hours of clinical coursework from their Master of Science degree for a total of 40 credit hours.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized,

regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Applicants must be certified as an advanced practice nurse. A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

Applications are reviewed on a space-available basis after the priority deadline. Students should see the program website for application deadlines.

### **Career Opportunities:**

Graduates of the Doctor of Nursing Practice program have the knowledge and training to provide healthcare for patients across the lifespan in a wide variety of settings. This broad base of comprehension and clinical expertise enables them to effectively participate and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/dnp/advanced-nursing-practice-dnp>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## **Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP (NUANPACDNP)**

**Online Degree Search Title:** Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

### **Program Description:**

This DNP program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for the specialty in acute care pediatrics through the application of theory to advanced practice. The acute care pediatric nurse practitioner program prepares pediatric nurses to meet the physical, psychological and social needs of infants, children, adolescents and young adults. Specialty courses focus on assessment and management of a supportive, family-centered, culturally appropriate plan of care for pediatric patients with unstable chronic, complex acute, and

life-threatening illnesses.

This program is offered in a hybrid format that requires students to travel to campus for up to one week for orientation at the beginning of the program and then two or three times each semester.

Focused clinical experiences are arranged with appropriate preceptors for students residing in Arizona. Students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in their program, the student is required to complete their clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for securing one or more clinical sites in their area of residence. These sites must be approved by Edson College of Nursing and Health Innovation and a contract established with the site before starting any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

#### **Degree Requirements:**

85 credit hours including an applied project (DNP 707).

Required Core (21 credit hours)

- DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
- DNP 609 Advanced Practice Nursing Role (1)
- DNP 641 Advanced Health Assessment Pediatrics (3)
- DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)
- DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
- DNP 705 Health Care Outcomes Management (3)
- DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Concentration (26 credit hours)

- DNP 606 Principles of Pediatric Acute Care I (3)
- DNP 607 Advanced Pediatric Acute Care Practicum I (6)
- DNP 619 Principles of Pediatric Acute Care II (3)
- DNP 620 Advanced Pediatric Acute Care Practicum II (6)
- DNP 643 Developmentally Based Care of the Well Child (3)
- DNP 644 Well Child Advanced Practicum (2)
- DNP 649 Advanced Physiology (3)

Other Requirement (32 credit hours)

- DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
- DNP 602 Evaluating Research for Practice (3)
- DNP 679 Biostatistics: Principals of Statistical Inference (3)
- DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
- DNP 709 Individual and Innovation in Leadership in Healthcare Practice (3)
- DNP 711 Healthcare Policy and Innovation (3)
- DNP 712 Clinical Residency and Management (12)
- DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives (3 credit hours)

Culminating Experience (3 credit hours)

- DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)



#### Additional Curriculum Information

Nurse practitioner students complete 585 hours of clinical practicum work in the first two years of their degree program. They complete an additional 540 hours in their clinical residency course (DNP 712) for a total of 1,125 clinical and residency hours.

Every student must complete 600 hours of direct patient care with a Nurse Practitioner or Physician preceptor in the clinical setting. Documented clinical experiences are required by the Pediatric Nursing Certification Board in order for the graduate to be eligible to take the national Pediatric Nurse Practitioner Acute Care certification examination. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt is made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation.
- professional resume
- goal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

#### Career Opportunities:

Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

The acute care pediatric nurse practitioner role has grown exponentially in the past decade and the demand for board certified advanced practice acute care providers has never been higher. Graduates of the Edson College of Nursing and Health Innovation advanced practice nursing DNP program are prepared to provide health care for newborns and children, to young adulthood, in careers that include:

- inpatient hospitalist services
- specialty service providers
- critical care providers
- emergency care providers
- acute care home services
- transport teams
- education and training of future health care providers

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
HLTHN 113  
[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)  
602-496-0937

**Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)**

**Online Degree Search Title:** Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

**Program Description:**

This DNP program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for this specialty through graduate courses in the application of theory to advance practice. A major focus of the program is the acquisition of advanced knowledge and skills for primary care, case management, screening and health promotion of adults through the lifespan in a variety of settings, including private practice, ambulatory clinics, long-term care facilities and the patient's home.

This program is offered in a hybrid in-person and iCourse format, requiring students to travel to campus for up to one week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators for students residing in Arizona. In-state students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the College's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in their program, the student is required to complete their clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for identifying one or more clinical sites in their area of residence. These sites must be approved by Edson College of Nursing and Health Innovation before starting any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Nursing and Healthcare Innovation, PhD

**Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (21 credit hours)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 605 Advanced Health Assessment Across Lifespan (3)

DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)

DNP 609 Advanced Practice Nursing Role (1)

DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)

DNP 705 Healthcare Outcome Management (3)

DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Concentration (34 credit hours)

DNP 623 Adult-Gerontology Health Promotion (3)

DNP 624 Adult-Gerontology Health Promotion Practicum (3)

DNP 625 Management of Common Health Problems in Adult-Gerontology: Theory (3)

DNP 626 Management of Common Health Problems in Adult-Gerontology: Practicum (5)

DNP 627 Management of Complex Health Problems in Adult-Gerontology: Theory (3)

DNP 628 Management of Complex Health Problems in Adult-Gerontology: Practicum (5)

DNP 712 Clinical Residency and Management (12)

Other Requirement (20 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)

DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

DNP 711 Healthcare Policy and Innovation (3)

DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing the Doctor of Nursing Practice. The program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing.

The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

Applications are reviewed on a space-available basis after the priority deadline; application deadlines are posted on the program website.

### **Career Opportunities:**

Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

Graduates of the adult gerontology nurse practitioner DNP program have the knowledge and training to provide health care for patients in a wide variety of settings. The broad base of comprehension and clinical expertise enable graduates to effectively participate and lead within clinical, community and academic arenas.

Career examples:

- nurse practitioner
- professor
- business owner
- community advocate

### **Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/dnp/advanced-nursing-practice-adult-gerontology-nurse-practitioner-dnp>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0937

## **Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)**

**Online Degree Search Title:** Advanced Nursing Practice (Family Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

### **Program Description:**

This DNP program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for the specialty through graduate courses in the application of theory to advanced practice. The focus is on development of expertise in providing primary care to individuals of all ages within traditional, nontraditional and culturally diverse families.

Courses are designed to prepare the student for certification in advanced practice nursing as a family nurse practitioner.

This program is offered in a hybrid iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators for students residing in Arizona. In-state students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in their program, the student is required to complete their clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for identifying one or more clinical sites in their area of residence. These sites must be approved by Edson College of Nursing and Health Innovation before starting any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards;

program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/authorizations/>)) to determine the requirements of individual state licensures or national certifications.

#### **Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (21 credit hours)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 605 Advanced Health Assessment Across Lifespan (3)

DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)

DNP 609 Advanced Practice Nursing Role (1)

DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)

DNP 705 Health Care Outcomes Management (3)

DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Concentration (34 credit hours)

DNP 633 Family Health Promotion (3)

DNP 634 Family Health Promotion Practicum (3)

DNP 635 Management of Common Health Problems in Children, Adults and Families (3)

DNP 636 Management of Common Health Problems in Children, Adults and Families Practicum (5)

DNP 637 Management of Complex and Chronic Health Problems in Children, Adults and Families (3)

DNP 638 Management of Complex and Chronic Health Problems in Children, Adults and Families Practicum (5)

DNP 712 Clinical Residency and Management (12)

Other Requirement (20 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)

DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

DNP 711 Healthcare Policy and Innovation (3)

DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a Doctor of Nursing Practice. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized,

regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

#### **Career Opportunities:**

Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

Graduates of the family nurse practitioner concentration of the DNP in advanced nursing practice have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings. This broad base of comprehension and clinical expertise enables them to effectively participate and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

#### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/dnp/advanced-nursing-practice-family-nurse-practitioner-dnp>  
HLTHN 113  
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## **Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)**

**Online Degree Search Title:** Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

#### **Program Description:**

This DNP program, accredited by the Commission on Collegiate Education, provides a foundation for the specialty through graduate courses in the application of theory to advanced practice. The focus is on development of expertise in providing mental health care to individuals of all ages within traditional, nontraditional and culturally diverse families.

Courses are designed to prepare students for certification in advanced nursing as a family psychiatric mental health nurse practitioner. This Doctor

of Nursing Practice program specialty as a family psychiatric nurse practitioner emphasizes the assessment, diagnosis and evidence-based management of common and complex mental health disorders across the lifespan. Valid and reliable tools for screening and identification of mental health disorders as well as early interventions for these problems are highlighted. Content for each disorder include epidemiology, incidence, early signs and symptoms, differential diagnosis and sociocultural variations in evidence-based management and treatment. Management includes psychopharmacologic and therapeutic skills building that are based in motivational interviewing, mindfulness, cognitive behavioral therapy and dialectical behavior therapy. Individual, group and family therapy techniques are emphasized.

This program is offered in a hybrid iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators for students residing in Arizona. In-state students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in their program, the student is required to complete their clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for identifying one or more clinical sites in their area of residence. These sites must be approved by Edson College of Nursing and Health Innovation before starting any clinical experience. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/>) (<https://asuonline.asu.edu/about-us/licensure/>) to determine the requirements of individual state licensures or national certifications.

#### **Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (21 credit hours)

- DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
- DNP 605 Advanced Health Assessment Across Lifespan (3)
- DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
- DNP 609 Advanced Practice Nursing Role (1)
- DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
- DNP 705 Health Care Outcome Management (3)
- DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Concentration (41 credit hours)

- DNP 660 Advanced Neuropsychopathology Lifespan (2)
- DNP 671 Advanced Mental Health Assessment Across the Lifespan (2)
- DNP 672 Psychopharmacology Across the Lifespan (3)
- DNP 673 Mental Health Promotion Across the Lifespan (3)
- DNP 674 Mental Health Promotion Across the Lifespan Practicum (3)
- DNP 675 Management of Common Mental Health Disorders Across the Lifespan (3)
- DNP 676 Management of Common Mental Health Disorders Across the Lifespan Practicum (5)
- DNP 677 Management of Complex and Chronic Mental Health Disorders Across the Lifespan (3)
- DNP 678 Management of Complex and Chronic MH Disorders Across the Lifespan Practicum (5)
- DNP 712 Clinical Residency and Management (12)

Other Requirement (20 credit hours)

- DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
- DNP 602 Evaluating Research for Practice (3)
- DNP 679 Biostatistics: Principals of Statistical Inference (3)
- DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
- DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
- DNP 711 Healthcare Policy and Innovation (3)
- DNP 715 Dynamics and Principles of Information in Health Care (3)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

#### Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a Doctor of Nursing Practice. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

#### **Career Opportunities:**

Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

Graduates have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings. This broad base of comprehension and clinical expertise enables them to effectively participate and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor



**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/dnp/advanced-nursing-practice-family-psychiatric-and-mental-health-nurse-practitioner-dnp>  
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602-496-0937

**Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)**

**Online Degree Search Title:** Advanced Nursing Practice (Innovation Leadership), DNP

**Campus:** Downtown Phoenix, ASU@Los Angeles

**Program Description:**

Designed to take students' thinking and career to the next level, this nationally recognized DNP program leverages innovation theory, complexity science and the application of the latest evidence to advanced health system outcomes.

This program of study is for leaders --- e.g., chief nurse executive, strategist, informaticist or clinical director --- who want to create sustainable health care in the communities they serve.

Students learn how to optimize human and social capital, create measurable impact on their organizations and foster environments of excellence through innovation.

Some of the courses students take include:

- Innovation Leadership for Tomorrow's Healthcare
- Financing Healthcare for a Sustainable Future
- Navigating Culture to Create Successful Change and Transformation
- Systems Thinking for Improved Organizational Performance

Offered as a hybrid program, most coursework is in iCourse format which affords optimal flexibility. There are also two to three opportunities per semester for in-person dialogue and exchange.

Acknowledged by graduates as a life-changing experience, this program is one of deep personal discovery and diverse professional enrichment. Students are part of a rich social fabric of highly engaged, intellectually astute and practically sound nursing leaders who are changing health care for the nation.

Los Angeles location: Currently, programs of study are offered in a hybrid learning model. Select courses are offered through in-person instruction in the Herald Examiner building. The majority of courses are offered virtually from Arizona through a combination of synchronous and asynchronous learning technologies. Students should consult their advisor and schedule of classes for additional information.

**Degree Requirements:**

84 credit hours including the required applied project course (DNP 712).

Required Core (21 credit hours)

- DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
- DNP 605 Advanced Health Assessment Across Lifespan (3)
- DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
- DNP 609 Advanced Practice Nursing Role (1)
- DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
- DNP 705 Health Care Outcome Management (3)
- DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Concentration (13 credit hours)

- DNP 713 Analysis of Organizational Cultures in Health Care (3)
- DNP 714 Professional Relationships in Healthcare (3)
- DNP 716 Leadership of Innovation in Health Care (4)
- NUR 640 Integrative Theories of Innovation Health Care (3)

Other Requirement (20 credit hours)

- DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
- DNP 602 Evaluating Research for Practice (3)
- DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)

DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

DNP 711 Healthcare Policy and Innovation (3)

DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (18 credit hours)

Culminating Experience (12 credit hours)

Applied Project: DNP 712 Clinical Residency and Management (12)

Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and a master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

Applications are reviewed on a space-available basis after the priority deadline. Students should see the program website for application deadlines.

#### **Career Opportunities:**

Graduates of the innovation leadership concentration of the advanced nursing practice DNP have the knowledge and training to change or create sustainable healthcare in their community.

Career examples:

- chief nurse executive
- chief executive officer
- clinical director

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/dnp/advanced-nursing-practice-innovation-leadership-dnp>  
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## Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

**Program Description:**

This program is designed for nurses seeking to become advanced practical nurses as neonatal nurse practitioners.

Providing a foundation for this specialty are graduate courses in application of theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, advanced pharmacology and advanced health assessment. Advanced neonatal nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt is made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

**Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (21 credit hours)

- DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
- DNP 605 Advanced Health Assessment Across Lifespan (3)
- DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
- DNP 609 Advanced Practice Nursing Role (1)
- DNP 704 Principles of Evidenced-Based Care in Advanced Practice (4)
- DNP 705 Healthcare Outcomes Management (3)
- DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Concentration (34 credit hours)

- DNP 653 Advanced Development and Family Health Promotion: Neonatal Theory I (3)
- DNP 654 Neonatal Practicum I (3)
- DNP 655 Management of Common Neonatal Problems (3)
- DNP 656 Neonatal Practicum II (5)
- DNP 657 Management of Complex Problems in Neonates (3)
- DNP 658 Neonatal Practicum III: Management of Complex Problems in Neonates (5)
- DNP 712 Clinical Residency and Management (12)

Other Requirement (20 credit hours)

- DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
- DNP 602 Evaluating Research for Practice (3)
- DNP 679 Biostatistics: Principals of Statistical Inference (3)
- DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
- DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
- DNP 711 Healthcare Policy and Innovation (3)
- DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, please see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation completed by the applicant
- satisfactory completion of the analytical writing section of the GRE
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered license is required. If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse.

An interview with a representative of the specialty area is required.

Students should see the program website for application deadlines.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
HLTHN 113  
DNPnursing@asu.edu  
602-496-0937

**Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)**

**Online Degree Search Title:** Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

**Program Description:**

This DNP program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for this specialty through the application of theory to advance practice. The primary care pediatric nurse practitioner program prepares pediatric nurses to meet the physical, psychological

and social needs of infants, children, adolescents and young adults (birth to 21 years of age).

Coursework focuses on the development of a framework for supportive, family-centered, culturally appropriate advanced nursing practice for pediatric patients. Using best evidence, specialty pediatric courses focus on health promotion and the assessment and management of health care for well infants, children, adolescents and young adults as well as those with minor, acute and stable complex and chronic health disorders.

This program is offered in a hybrid format that requires the student to travel to campus for up to a one-week orientation at the beginning of the program and then two or three times each semester for course in-person immersions.

Focused clinical experiences are arranged with appropriate preceptors for students residing in Arizona. In-state students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in their program, the student is required to complete their clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for securing one or more clinical sites in their area of residence. These sites must be approved by Edson College of Nursing and Health Innovation and a contract established with the site before starting any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

#### **Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (21 credit hours)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 609 Advanced Practice Nursing Role (1)

DNP 641 Advanced Health Assessment Pediatrics (3)

DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)

DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)

DNP 705 Health Care Outcomes Management (3)

DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Concentration (34 credit hours)

DNP 643 Developmentally Based Care of the Well Child (3)

DNP 644 Well Child Advanced Practicum (3)

DNP 645 Management of Common Problems in Pediatric Primary Care (3)

DNP 646 Management of Common Problems in Pediatric Primary Care Practicum (5)

DNP 647 Management of Complex and Chronic Health Problems in Pediatric Primary Care (3)

DNP 648 Management of Complex and Chronic Health Problems in Pediatric Primary Care Practicum (5)

DNP 712 Clinical Residency and Management (12)

Other Requirement (20 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)

DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

DNP 711 Healthcare Policy and Innovation (3)

DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

#### Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

#### Career Opportunities:

Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

The pediatric nurse practitioner role is well established in all urban and most rural areas of Arizona. Advanced practice nursing graduates are prepared to provide comprehensive health care for newborns and youths. Possible careers include:

- clinical education and training of future health care providers
- community health centers
- fast track emergency department
- outpatient primary and secondary health care clinics

- specialty healthcare

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/dnp/pediatric-nurse-practitioner-dnp>  
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602-496-0937

**Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP (NUANPWHDNP)**

**Online Degree Search Title:** Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP

**Campus:** Downtown Phoenix

**Program Description:**

The DNP degree with specialty as a women's health nurse practitioner prepares graduates to provide holistic, client-centered primary care for women from adolescence through older adulthood.

Courses focus on the assessment, diagnosis and evidence-based management of common and complex gynecologic, sexual, reproductive, menopause-transition and post-menopause healthcare; uncomplicated and high-risk antepartum and postpartum care, as well as sexual and reproductive health care for men. Courses emphasize research and theories to provide the context essential to advanced nursing practice focusing on health promotion, risk assessment and disease prevention for women across the lifespan, taking into account factors that influence health care and health outcomes.

This program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for this specialty through graduate courses in application of theory to advance practice.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors. Every attempt is made to arrange these in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determines the student needs additional faculty supervision of skills, the student is required to complete their clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

**Degree Requirements:**

84 credit hours including the required applied project course (DNP 707).

Required Core (21 credit hours)

- DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
- DNP 605 Advanced Health Assessment Across Lifespan (3)
- DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
- DNP 609 Advanced Practice Nursing Role (1)
- DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
- DNP 705 Health Care Outcomes Management (3)
- DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Concentration (34 credit hours)

- DNP 613 Women's Health Promotion I (3)
- DNP 614 Women's Health Practicum I (3)
- DNP 615 Management of Common Problems in Women's Health (3)

DNP 616 Advanced Women's Health Practicum II (5)  
DNP 617 Management of Complex and Chronic Disease in Women (3)  
DNP 618 Advanced Women's Health Practicum III (5)  
DNP 712 Clinical Residency and Management (12)

Other Requirement (20 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)  
DNP 602 Evaluating Research for Practice (3)  
DNP 679 Biostatistics: Principals of Statistical Inference (3)  
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)  
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)  
DNP 711 Healthcare Policy and Innovation (3)  
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.



An admission examination is not required.

**Career Opportunities:**

Graduates of the women's health DNP program have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings. Their broad base of comprehension and clinical expertise enables them to effectively participate and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/dnp/womens-health-nurse-practitioner-dnp>  
HLTHN 113  
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602-496-0937

## Aging, MS (LAALDMS)

**Online Degree Search Title:** Aging, MS

**Campus:** Downtown Phoenix, Online

**Program Description:**

Aligned with ASU's charter and design aspirations, the MS program in aging assumes responsibility for the overall health of communities by educating students to become experts in the field of aging. By fusing intellectual disciplines and socially embedding with partners in the aging network of health, wellness and social services, as well as entrepreneurs developing senior-related business ventures, this program is uniquely positioned to address the diverse needs of the rapidly aging population.

The program provides students with advanced, interdisciplinary knowledge that focuses on improving the well-being of older adults within the context of their diverse families and communities. The curriculum is competency-based, and designed in accordance with the Academy for Gerontology in Higher Education competencies for graduate education. The curriculum addresses the multidimensional aging process and the needs of aging populations and their potential contributions to society; reflects national health initiatives; and encourages community collaborations that are reciprocal, beneficial and sustainable to improve health outcomes of older adults.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Science (Health Entrepreneurship and Innovation), BAS
- Community Health, BS
- Health Care Coordination, BS
- Health Entrepreneurship and Innovation, BS
- Integrative Health, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

36 credit hours including the required applied project course (HCA 593), or 36 credit hours including the required applied project course (HCA 593) - Mandarin Pathway.

Required Core (18 credit hours)

- HCA 501 Perspectives on Aging and the Life Course (3)
- HCA 502 Research and Program Evaluation Issues in Aging (3)
- HCA 503 Diversity in Aging (3)
- HCA 504 Caregiving Issues for Families and Professionals (3)
- HCA 505 Interdisciplinary and Community Collaboration in Aging (3)
- HCA 508 Interdisciplinary and Community Collaboration in Aging (3)

Track (6 credit hours)

Electives (6 credit hours)

Other Requirements (3 credit hours)

HCA 509 Interventions to Support Aging in Place (3) or

HCA 510 Innovations in Program Development and Policy (3)

Culminating Experience (3 credit hours)

HCA 593 Applied Project (3)

Additional Curriculum Information

Students choose a track for a total of six credit hours:

- aging services and case management
- innovation and entrepreneurship
- long-term care administration
- palliative and end-of-life care

The program also requires six credit hours of electives to support the track and career interests. Students should see the academic unit for the current approved elective list. Other courses may be used with approval of the academic unit.

For other requirement coursework, students select either HCA 509 or HCA 510.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- letter of intent or written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/aging-ms/>)

#### **Career Opportunities:**

Graduates of the Master of Science program in aging have the knowledge and training to provide relevant information for the aging population in a wide variety of settings. The broad base of comprehension and expertise enables graduates to effectively participate and lead within the aging community.

Career examples include:

- entrepreneur
- facilities director

- program manager
- research coordinator

**Contact Information:**

Nursing and Health Innovation, Edson College of  
 Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
 HLTHN 113  
 nursingandhealth@asu.edu  
 602-496-0937

**Clinical Research Management, MS (NUCRMMS)**

**Online Degree Search Title:** Clinical Research Management, MS

**Campus:** Online

**Program Description:**

Clinical research management is a new, growing field of medical professionals who direct and conduct clinical trials for new medical products.

With the role of clinical research managers rapidly expanding, the clinical research master's program takes a transdisciplinary approach in providing an education strong in commercial and fiscal practices of conducting clinical research. This graduate program also investigates the ethical and regulatory aspects of research and overall management of clinical drug, biological and medical device trials. In this master's program, students are encouraged to innovate and develop entrepreneurial skills to lead clinical research endeavors.

The MS program in clinical research management is designed to be flexible and conducive to the adult learner. Part-time study is available. Gain clinical management experience at the end of the program by completing the required culminating experience.

This clinical research management graduate degree is the first clinical research graduate degree to receive accreditation from the Commission on Accreditation of Allied Health Education Programs. The CAAHEP is the largest programmatic accreditor in the health sciences field and is recognized by the Council for Higher Education Accreditation in the U.S. and internationally.

**Degree Requirements:**

33 credit hours including the required capstone course (HCR 566).

Required Core (18 credit hours)

- HCR 551 Clinical Research Monitoring (3)
- HCR 561 Responsible Conduct of Clinical Research (3)
- HCR 562 Clinical Research Data Management and Technology Implementation (3)
- HCR 563 Fundamentals of Regulatory Affairs (3)
- HCR 565 Clinical Research Operations (3)
- HCR 574 Scientific and Research Review Boards (3)

Restricted Electives (12 credit hours)

- HCR 552 Medical Device Development and Regulation (3)
- HCR 553 Quality and Clinical Research (3)
- HCR 555 Pharmaceutical Safety and Risk Management (3)
- HCR 557 Clinical Research Design and Methods (3)
- HCR 564 Global Regulatory Affairs Leadership (3)
- HCR 567 Research Management and Contemporary Research Topics (3)
- HCR 568 Health Care Project Management (3)
- HCR 575 Contracting and Budgeting for Industry-Sponsored Clinical Trials (3)
- HCR 576 Drug Discovery, Development and Regulations (3)

Culminating Experience (3 credit hours)

- HCR 566 Capstone Clinical Research Management Project II (3)

Additional Curriculum Information

Students select five courses from the restricted electives list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree that includes courses with content in anatomy and physiology and medical terminology or if they have earned a bachelor's degree in any field and provide evidence of successful completion of additional courses in anatomy and physiology and medical terminology.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- two online references
- personal statement
- response to application questions
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The applicant must have six months of full-time, related clinical research work or internship experience as described in a resume or curriculum vitae.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-clinical-research-management/>)

**Career Opportunities:**

Arizona State University's Master of Science degree program in clinical research management prepares students for careers in governmental and regulatory agencies, health care institutions, academic institutions and national or international research organizations.

Graduates with a Master of Science in clinical research management have career opportunities in many areas. Career examples include:

- clinical data manager
- clinical research associate
- clinical research coordinator
- clinical trial director
- clinical trial program manager

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
MERCC 250  
nursingandhealth@asu.edu  
602-496-0937

## Clinical Research Management (certificate), Certificate (NUHCRGRCC)

**Online Degree Search Title:** Clinical Research Management (Graduate Certificate)

**Campus:** Online

**Program Description:**

The clinical research management certificate is for health care professionals seeking to advance their career into the clinical research business. Students of this program learn the ethical and responsible conduct of clinical research as well as clinical research regulations, ethics, operations and data management. This includes the financial practices and management of drug, biological and device trials. Students also learn to use this information to drive clinical progress that benefits patients' health.

**Degree Requirements:**

15 credit hours.

Required Core (12 credit hours)  
HCR 561 Responsible Conduct of Clinical Research (3)  
HCR 562 Clinical Research Data Management and Technology Implementation (3)  
HCR 563 Fundamentals of Regulatory Affairs (3)  
HCR 565 Clinical Research Operations (3)

Restricted Elective (3 credit hours)

Additional Curriculum Information

Students should see the academic unit for the list of restricted electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution that includes courses with content in anatomy and physiology and medical terminology, or if applicants have earned a bachelor's degree and provide evidence of successful completion of additional courses in anatomy and physiology and medical terminology.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- two online references
- personal statement
- response to application questions
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must have six months of full-time, related clinical research work or internship experience as described on the applicant's resume or curriculum vitae. Applicants may be required to submit a job description or internship transcript from their employer.

The online references should be professional references from colleagues, supervisors, professors or other professional contacts who can attest to the applicant's academic and leadership experiences.

Applications are due 30 days before the start of the session.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-clinical-research-management/>)

#### **Career Opportunities:**

Certificate graduates can prepare for jobs in research positions evaluating the safety and effectiveness of new medical products. There are many different therapeutic focuses graduates can pursue. Specific careers include:

- clinical research associate
- clinical research coordinator
- clinical research supervisor

#### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
MERCC 250  
[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)  
602-496-0937

## Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)

**Online Degree Search Title:** Clinical Research Management (Regulatory Science), MS

**Campus:** Online

### Program Description:

Regulatory science addresses the safety and efficacy of new medical products, diagnostics and treatments. Regulatory affairs ensure new products meet the regulations and standards set by governing agencies. This master's program aligns regulations with science in the lifecycle of medical products. With a regulatory science degree, graduates may have the ability to advance medical care and treatment while ensuring new discoveries adhere to rules and regulations that keep patients safe.

The regulatory science concentration of this clinical research management master's program emphasizes regulatory affairs and regulatory sciences. In this rigorous program, coursework will include regulatory writing techniques, quality assurance, medical devices and drugs, and pharmaceutical regulation. Students also develop their understanding of how to meet regulatory oversight requirements as they relate to the conduct of clinical studies.

As adult learners, students can enjoy the flexibility of online learning and have the opportunity to take advantage of part-time study if it is more conducive to their learning style.

This clinical research management graduate degree is the first clinical research graduate degree to receive accreditation from the Commission on Accreditation of Allied Health Education Programs. The CAAHEP is the largest programmatic accreditor in the health sciences field and is recognized by the Council for Higher Education Accreditation in the U.S. and internationally.

### Degree Requirements:

33 credit hours including the required capstone course (HCR 566).

#### Required Core (18 credit hours)

- HCR 551 Clinical Research Monitoring (3)
- HCR 561 Responsible Conduct of Clinical Research (3)
- HCR 562 Clinical Research Data Management and Technology Implementation (3)
- HCR 563 Fundamentals of Regulatory Affairs (3)
- HCR 565 Clinical Research Operations (3)
- HCR 574 Scientific and Research Review Boards (3)

#### Concentration (12 credit hours)

- HCR 553 Quality Assurance and Clinical Research (3)
- HCR 555 Pharmaceutical Safety and Risk Management (3)
- HCR 557 Clinical Research Design and Methods (3)
- HCR 564 Global Regulatory Affairs Leadership (3)
- HCR 567 Research Management and Contemporary Research Topics (3)
- HCR 578 Legal Aspects of Clinical Research (3)
- HCR 579 Translational Research in Drug Discovery and Development (3)

#### Culminating Experience (3 credit hours)

- HCR 566 Clinical Research Management Capstone (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree that includes courses with content in anatomy and physiology and medical terminology or if they have earned a bachelor's degree in any field and provide evidence of successful completion of additional courses in anatomy and physiology and medical terminology.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online references
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The applicant must have six months of full-time, related clinical research work or internship experience as described in a resume or curriculum vitae.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-science-clinical-research-management-regulatory-science/>)

#### Career Opportunities:

Graduates with an MS in clinical research management with a focus on regulatory science have a range of career opportunities to explore. Career examples include but are not limited to:

- clinical research associate
- project manager
- quality control specialist
- regulatory affairs manager
- regulatory affairs specialist

#### Contact Information:

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602-496-0937

## Emergency Nurse Practitioner (Certificate), Certificate (NUEMNPGRCT)

**Online Degree Search Title:** Emergency Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses who are board certified as a family nurse practitioner, who seek additional certification as an emergency nurse practitioner or for students currently enrolled in their third year in the DNP program in family nurse practitioner at Arizona State University, who seek to become an emergency nurse practitioner. This program is validated by the American Academy of Emergency Nurse Practitioners.

Courses focus content needed to care for patients across the lifespan in ambulatory, urgent and emergent settings. Focus on care for patients with cardiovascular, thoracic-respiratory, dermatologic, abdominal, musculoskeletal, psychiatric, traumatic, renal, genitourinary, endocrine, nervous, head, ear, nose and throat system diseases and disorders.

This program is offered in a hybrid in-person and iCourse format that requires students to travel to campus one or two times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators for students residing in Arizona. In-state students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in the program, the student is required to complete the clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for identifying one or more clinical sites in their area of residence. These sites must be approved by the Edson College of Nursing and Health Innovation before starting any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards;

program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

### **Degree Requirements:**

15 credit hours.

Required Core (15 credit hours)

DNP 610 Principles of Advanced Emergency Nursing I (3)

DNP 611 ENP Practicum I: Advanced Emergency Nursing Practice (3)

DNP 630 Principles of Advanced Emergency Nursing II (3)

DNP 631 ENP Practicum II: Advanced Emergency Nursing Practice (3)

DNP 649 Advanced Physiology (3)

Additional Curriculum Information

Every certificate student must complete 270 hours of direct patient care with a nurse practitioner or physician preceptor in the clinical setting. Documented clinical experiences are required by the certification organization (AANP) in order for the graduate to be eligible to take the national Emergency Nurse Practitioner certification examination.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt is made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation.
- professional resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

The goal statement should indicate the applicant's understanding of the role of the advance practice nurse with the population of interest and any experience the applicant may have working with the patient population of interest.

The admission essay should briefly describe how meeting "The Essentials of Doctoral Education for Advanced Nursing Practice" (2006) will further



their career goals.

Applicants must be a licensed family nurse practitioner currently, or enrolled in the family nurse practitioner program at ASU.

An interview with program faculty is required.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

#### **Career Opportunities:**

Graduates of the emergency nurse practitioner certificate program have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings. The broad base of comprehension and clinical expertise graduates have enable them to effectively participate and lead within clinical, community and academic arenas.

Career examples include:

- business owner
- community advocate
- nurse practitioner
- professor

#### **Contact Information:**

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## **Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)**

**Online Degree Search Title:** Family Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

#### **Program Description:**

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses board certified in a different advanced practice registered nurse specialty who seek additional certification as a family nurse practitioner or for nurses with a doctoral degree in nursing who seek to become a family nurse practitioner.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators for students residing in Arizona. In-state students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona, based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area, or if the faculty determines the student needs additional faculty supervision for clinical progress in their program, the student is required to complete the clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for identifying one or more clinical sites in their area of residence. These sites must be approved by Edson College of Nursing and Health Innovation before starting any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, it is recommended that students visit Professional Licensure

(<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

**Degree Requirements:**

22 credit hours.

Required Core (22 credit hours)

DNP 633 Family Health Promotion (3)

DNP 634 Family Health Promotion Practicum (3)

DNP 635 Management of Common Family Problems in Children, Adults and Families (3)

DNP 636 Management of Common Health Problems in Children, Adults and Families Practicum (5)

DNP 637 Management of Complex and Chronic Health Problems in Children, Adults and Families (3)

DNP 638 Management of Complex and Chronic Health Problems in Children, Adults and Families Practicum (5)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English language proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and must meet all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

All applicants have an interview with program faculty prior to admission to the program.

It is preferred that applicants have at least one year of clinical experience working in the student's specialty population.

Admission examinations are not required.

Disclosure information for this U.S. Department of Education Gainful Employment program is at

<https://catalog.asu.edu/files/disclosures/NUFMPGRCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/NUFMPGRCE/Gedt.pdf>).

**Career Opportunities:**

Graduates of the family nurse practitioner certificate program have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings. The broad base of comprehension and clinical expertise enable graduates to effectively participate and lead within clinical, community, and academic arenas.

Career examples include:

- business owner
- community advocate
- nurse practitioner
- professor

**Contact Information:**

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**Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)**

**Online Degree Search Title:** Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses who are board certified in a different APRN specialty area who seek additional certification as a family psychiatric nurse practitioner or for nurses with a doctoral degree in nursing who seek to become a family psychiatric nurse practitioner.

The certificate program for Family Psychiatric Nurse Practitioner emphasizes the assessment, diagnosis and evidence-based management of common and complex mental health disorders across the lifespan. Valid and reliable tools for screening and identification of mental health disorders as well as early interventions for these problems are highlighted. Content for each disorder include epidemiology, incidence, early signs and symptoms, differential diagnosis, and sociocultural variations in evidence-based management and treatment. Management includes psychopharmacologic and therapeutic skills building that are based in Motivational Interviewing, Mindfulness, Cognitive Behavioral Therapy and Dialectical Behavior Therapy. Individual, group, and family therapy techniques are emphasized.

This certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators for students residing in Arizona. In-state students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in their program, the student is required to complete their clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for identifying one or more clinical sites in their area of residence. These sites must be approved by the Edson College of Nursing and Health Innovation before starting any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, it's recommend that students review the professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

**Degree Requirements:**

28 credit hours.

This graduate certificate program (including 585 clinical hours) prepares nurses with a master's degree to become family psychiatric mental health nurse practitioners.

Required prerequisites (or equivalent courses taken while in master's degree program)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 605 Advanced Health Assessment Across Lifespan (3)

DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)

DNP 609 Advanced Practice Nursing Role (1)

Students have an individual review of their transcripts and an individualized plan of study designed to meet certification requirements. Depending on how many prerequisite courses are completed in the master's degree program, up to one year of additional study may need to be added to complete this specialty.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants must be board certified in a different APRN specialty.

All applicants will have an interview with program faculty prior to admission to the program.

It is preferred that applicants have at least one year of clinical experience working within the student's specialty population.

Admission examinations are not required.

**Career Opportunities:**

Graduates of the family psychiatric nurse practitioner certificate program have the knowledge and training to provide healthcare for patients across the lifespan in a wide variety of settings.

Career examples include:

- business owner
- community advocate
- nurse practitioner
- professor

**Contact Information:**

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## Food Safety and Protection (certificate), Certificate (NUFDSPGRCT)

**Online Degree Search Title:** Food Safety and Protection (Graduate Certificate)

**Campus:** Online

**Program Description:**

The online food safety graduate certificate is designed for working professionals and graduate students interested in food policy as it relates to the safety and quality of foods. The curriculum is aligned with local, state and national health and safety initiatives. The curriculum also integrates the regulatory focus of the Food and Drug Administration.

The certificate focuses on the downstream evaluation of the production, processing and preparation of food and food products. Students learn to assess food safety hazards, such as waterborne and food pathogen outbreaks. They also learn about food manufacturing and processing, quality systems, foodborne illnesses, and policies and regulations.

Graduates may be well prepared to sit for food safety certification exams and for careers as registered sanitarians and food safety and protection inspectors. Other required criteria must be met to sit for the exams.

**Degree Requirements:**

15 credit hours.

Required Core (12 credit hours)

HCR 543 Food Safety and Protection (3)

HCR 544 Assessing Food Safety and Developing Policy Procedures and Training (3)

HCR 558 Technical Writing for the Regulatory Professional (3)

SFS 560 Tools and Tactics for Food Policy Change (3) or HCR 550 Quality Assurance and Safety in Food and Dietary Supplements (3)

Other Requirements (3 credit hours)

HCR 563 Fundamentals of Regulatory Affairs (3) or

HCR 584 Internship (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a science-based or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/food-safety-grad-certificate/>)

**Career Opportunities:**

Graduates with a food safety certificate bring strong analytical, writing and inspection skills to the job market. Many find work within the manufacturing and agricultural industries as food safety, quality control or plant managers; product and public health inspectors; or compliance officers in food manufacturing and processing.

Career examples include:

- border control public health inspector
- facility manager
- federal consumer safety inspector
- food and safety sanitation product inspector
- food manufacturing, process and preparation specialist
- food inspector
- food safety manager
- health inspector
- production control food safety inspector

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## Health Care Innovation, Certificate (NUHCINGRCT)

**Online Degree Search Title:** Health Care Innovation (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The emerging field of health care innovation requires individuals who can lead and facilitate change.

Students learn through reflection, personality assessment, exercises in interdisciplinary team-case study analyses, system intervention, idea pitching and change-readiness assessment. Related entrepreneurial and intrapreneurial concepts such as prototyping, business plan or project plan design, budgeting and presentation skills are also covered in the program.

Emphasizing complexity leadership and vulnerability along with emotional competence, this certificate prepares students to work in this interdisciplinary and highly sought-after area.

**Degree Requirements:**

15 credit hours including the required capstone course (HCI 570).

Required Core (11 credit hours)

HCI 538 Innovation and the Individual (3)

HCI 542 Systems Thinking in a Complex Environment (3)

HCI 554 Outcomes Evaluation (3)

HCI 561 Innovation Methods (2)

Culminating Experience (4 credit hours)

HCI 570 Innovation Proposal: Culminating Experience for Health Care Innovation Certificate (4)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health-related business, social science, hard science, health care practice or technology field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

There are no required admission examinations.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-health-care-innovation/>)

#### Career Opportunities:

Graduates with the health care innovation graduate certificate have career opportunities illustrated in the following list. Career examples include:

- clinical nurse specialists
- community health workers
- health educators
- health information technicians
- informatics nurse specialists

#### Contact Information:

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## Health Care Simulation, MS (NUHCSMS)

**Online Degree Search Title:** Health Care Simulation, MS

**Campus:** Downtown Phoenix

#### Program Description:

In the MS program in health care simulation, students learn to influence the design, operations and evaluation of educational health care simulation in academic or practice settings. Students develop evidence-based scenario design, use technology-enhanced environments replicating real patient experiences with life-like high fidelity computer manikins or simulated participants, and employ operations techniques. Through learning and working with their peers, faculty and leaders from multiple disciplines such as health care, sociology, technology, the arts and public policy, students will gain experience in creating transdisciplinary solutions.

Simulation in health care education aims to improve competencies in communication, teamwork, critical thinking, professional identity and safety. The simulated learning environment provides a psychologically safe space where you can make mistakes without risk to real patients.

This is a hybrid program with most required courses offered in an iCourse format, including both asynchronous and synchronous modalities. Courses are primarily offered in seven-and-a-half-week accelerated sessions. Two of the required courses include an immersion experience on the ASU campus for several days at the end of the semester.

#### Degree Requirements:

34 credit hours including the required applied project course (HCS 593).

##### Required Core (21 credit hours)

- HCI 540 Understanding and Applying Principles of Evidence-based Practice (3)
- HCS 501 Foundations in Health Care Simulation (3)
- HCS 502 Health Care Simulation Educational Assessment and Debriefing Methods (3)
- HCS 503 Principles of Operations Management in Health Care (3)
- NUR 520 Patient Safety and Health Care Quality Principles, Assessment and Methods (3)
- NUR 521 Health Care Evidence, Informatics and Analysis (3)
- NUR 671 Teaching in Academic and Practice Settings (3)

##### Other Requirements (9 credit hours)

HCS 580 Practicum: Operational or Educational Perspective (3)

choose two courses:

BMI 601 Fundamentals of Health Informatics (3)

HCI 538 Innovation and the Individual (3)

HCI 544 Information Technology (IT) for Health Care Innovation (3)

NUR 523 Interprofessional Collaboration for Improving Patient Safety & Health Care Quality Outcomes (3)

NUR 670 Curriculum Development in Academic and Practice Settings (3)

Culminating Experience (4 credit hours)

HCS 593 Applied Project (4)

Additional Curriculum Information

For other requirement coursework, students take HCS 580 and choose two courses from the above list for a total of nine credit hours. Coursework in this section may be substituted with approval of the academic unit.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in health care or a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

### **Career Opportunities:**

Professionals with expertise in health care simulation will be qualified to work in either academic or clinical simulation environments. Career examples include:

- education technician simulation specialist
- directors and assistant directors, simulation centers
- operations specialists
- simulation coordinators
- simulation education specialists
- simulation nurses

### **Contact Information:**

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## **Healthcare Innovation, MHI (NUHCINNMHI)**

**Online Degree Search Title:** Healthcare Innovation, MHI

**Campus:** Online

### **Program Description:**

Students in the MHI in health care innovation program learn how to create and sustain cultures of innovation in health care from multiple perspectives: personal competence for innovation, use of evidence in decision-making, remodeling system infrastructures, financing,



communication, entrepreneurship, technology and policymaking. Students develop competence in the design, application and testing of innovative processes and products. A primary focus of the Master of Healthcare Innovation is to prepare students to lead processes of innovation and transformation.

Innovative thinking, planning, implementing and evaluation are emphasized throughout the program. The curriculum incorporates the latest trends in health care and is built upon collaboration with other professionals and faculty across diverse disciplines.

Graduates of the program possess the leadership skills and behaviors to influence the future of health care as well as transform and improve health care outcomes for individuals and communities.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Science (Health Entrepreneurship and Innovation), BAS
- Community Health, BS
- Health Care Coordination, BS
- Health Entrepreneurship and Innovation, BS
- Integrative Health, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

34 credit hours including the required capstone course (HCI 563).

Required Core (5 credit hours)

HCI 538 Innovation and the Individual (3)

HCI 561 Innovation Methods (2)

Electives (3 credit hours)

Other Requirements (21 credit hours)

HCI 540 Understanding and Applying Principles of Evidence-Based Practice (3)

HCI 542 Systems Thinking in a Complex Environment (3)

HCI 544 IT for Health Care Innovation (3)

HCI 548 Advanced Principles and Concepts of Innovation (3)

HCI 550 Health Care Policy and Innovation (3)

HCI 552 Financing for Innovation (3)

HCI 554 Outcomes Evaluation (3)

Culminating Experience (5 credit hours)

HCI 563 Capstone: Final Innovation Project (5)

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit

- graduate admission application and application fee
- official transcripts
- three professional recommendations
- personal statement and essays
- current resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The professional recommendations should be from individuals knowledgeable about the applicant's academic and leadership potential.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-healthcare-innovation/>)

**Career Opportunities:**

In this program, students take a multidisciplinary approach to health care, including studying change theory, leadership, entrepreneurship, technology and system design, preparing students take on important roles in a rapidly changing industry.

Career examples include:

- health administration
- health care consultants
- health information technicians
- health technologists
- medical and health service managers

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
MERCC 250  
healthcareinnovation@asu.edu  
602-496-0937

## Innovation Leadership, Certificate (NUINLSGRCT)

**Online Degree Search Title:** Innovation Leadership (Graduate Certificate)

**Campus:** Online

ASU is not currently accepting applications for this program.

**Program Description:**

This graduate certificate program in innovation leadership provides students with the cognitive and affective competencies to lead and facilitate innovation in the contexts of health care products, processes and systems. The emerging field of innovation leadership in health care requires individuals who can lead and facilitate change.

Students learn through reflection, personality assessment, public speaking, leadership network identification, entrepreneurship, idea pitching and change-readiness assessment. This certificate program prepares students to work in this transdisciplinary and highly sought-after area of leadership.

**Degree Requirements:**

15 credit hours including the required capstone course (HCI 571).

Required Courses (12 credit hours)

HCI 538 Innovation and the Individual (3)

HCI 543 Approaches to Health Care Innovation (3)

HCI 545 Public Speaking for Innovation: Building Your Presence and Making the Case for Change (3)

NLM 562 Social Entrepreneurship (3)

Culminating Experience (3 credit hours)

HCI 571 Capstone Course Health Care Innovation Leadership Portfolio (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health-related business, social science, hard science, health care practice or technology field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

There are no required admission examinations.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Career Opportunities:**

Graduates have the knowledge and training to change or create sustainable health care in their community.

Career examples include:

- chief executive officer
- chief nurse executive
- clinical director

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/certificate>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)

**Online Degree Search Title:** International Health for Healthcare Professionals (Graduate Certificate)

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

**Program Description:**

The international health for health care professionals graduate certificate program prepares health care personnel to meet the global health challenges of the 21st century. Students receive comprehensive education in the promotion of holistic, culturally responsive, evidence-based care within and outside the U.S.

Course content includes the provision of care in the presence and absence of natural (e.g., earthquakes) and human-made disasters (e.g., war), the spread of chronic and infectious diseases, economic and political issues, and other factors that pose substantial challenges to world health promotion and disease prevention.

This graduate certificate is offered as a part-time or full-time hybrid online distance program that includes two day-long visits to the ASU Downtown Phoenix campus and a capstone immersion experience.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they are undergraduate-prepared nurse or health-related professional (e.g., social worker, physician, psychologist, dentist) with a baccalaureate or graduate degree from a nationally or internationally recognized and regionally accredited academic institution, or equivalent.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional license in the state where the individual capstone project will be conducted, if required (e.g., RN, NP, MSW, PA or MD)
- resume or curriculum vitae
- email addresses of three professional references (not friends or relatives) who will be contacted for completion of online recommendations
- fingerprint clearance or proof of application for U.S. citizens and applicants with permanent U.S. resident status
- photocopy of current, valid passport
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

References are contacted by the Graduate College, with a request to complete a reference questionnaire.

#### Contact Information:

Nursing and Health Innovation, Edson College of  
 Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
 HLTHN 113  
 nursingandhealth@asu.edu  
 602-496-0937

## Interprofessional Healthy Aging (certificate), Certificate (NUGNCERT)

**Online Degree Search Title:** Interprofessional Healthy Aging (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

This certificate program prepares health and social service professionals to address healthy aging with a focus on prevention and early intervention to optimize the health, behavioral health and quality of life of older adults and their family caregivers.

#### Degree Requirements:

18 credit hours.

##### Required Core (15 credit hours)

- DNP 682 Geriatric Health Promotion (3)
- NUR 629 Research for Geriatric Practice (3)
- SWG 570 Aging in Perspective (3)
- SWG 572 Interprofessional Approaches to Healthy Aging (3)
- SWG 573 Policies to Promote Healthy Aging (3)

Restricted Electives: (3 credit hours)

#### Additional Curriculum Information

Students should see the academic unit for the approved elective course list.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

#### Career Opportunities:

Graduates of this program are prepared to be employed as:

- facilities director
- entrepreneur
- program manager
- research coordinator

#### Contact Information:

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
HLTHN 113  
[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)  
602-496-0937

## Nurse Education in Academic and Practice Settings (certificate), Certificate (NUNURSEDCE)

**Online Degree Search Title:** Nurse Education in Academic and Practice Settings (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

#### Program Description:

This certificate program in nurse education in academic and practice settings prepares registered nurses and other health professionals who have earned a master's degree to teach in academic or practice settings.

Courses include curriculum development, teaching methods, design and delivery of mediated instruction, producing and evaluating educational programs and a teaching practicum.

#### Degree Requirements:

15 credit hours.

#### Required Core (15 credit hours)

- NUR 670 Curriculum Development in Academic and Practice Settings (3)
- NUR 671 Teaching in Academic and Practice Settings (3)
- NUR 672 Design and Delivery of Mediated Instruction (3)
- NUR 673 Producing and Evaluating Programs for Academic and Practice Settings (3)
- NUR 579 Role-Focused Practicum: Nurse Educator (3) or
- NUR 677 Scholarly Citizenship: Teaching Intensive (3)

#### Additional Curriculum Information

A teaching practicum (comprised of 135 clock hours) is required.

As part of the required core, MS and DNP students will take NUR 579 and PhD students will take NUR 677.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a minimum of a master's degree, in any field, from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for this certificate program.

Licensure Requirements: An RN licensure is not required for admission to the Nurse Education in Academic and Practice Settings certificate program. However, admitted students who are a Registered Nurse must hold a current unencumbered RN license in the state in which the student plans to do clinical practicums to remain in the program.

Health and Safety Requirements: Students recommended for admission must meet health and safety requirements by established deadlines, including a passing disposition on a background clearance, satisfactory completion of a substance screen, and other requirements, as a condition of admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/nurse-education-academic-and-practice-settings-graduate/>)

**Career Opportunities:**

The nurse educator certificate prepares students for a variety of careers, helping to educate the future nursing workforce. Careers could include:

- academic faculty
- charge nurse
- chief nursing officer
- nurse educator
- nursing supervisor

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/certificate/nurse-education-academic-and-practice-settings-graduate-certificate>

HLTHN 113

[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)

602-496-0739

## Nursing, MS (NUNURDTMS)

**Online Degree Search Title:** Nursing, MS

**Campus:** Downtown Phoenix, ASU@Los Angeles, Online

**Program Description:**

The master's degree in nursing is designed for nurses who are thinking about the future and ready to take the next step in their career. This Commission of Collegiate Nursing Education-accredited MS in nursing program focuses on three key areas: evidence-based practice, patient safety and health care quality and leadership. This program is ideal for nurses looking to gain advanced education and skills in the translation of concepts, practices and principles of leadership.

The master's in nursing program offers flexible preceptorships and coursework to provide each student with a learning experience that meets their needs and future aspirations. Throughout the program, students learn about leadership, innovative thinking and interprofessional team collaboration. Students have the opportunity to complete a clinical practicum in their area of interest.

The curriculum includes competencies outlined by the American Association of Colleges of Nursing Essentials and the National League for Nursing.

Additionally, it includes transformational leadership content to help students prepare for roles related to system change and enhancement of health workplaces for efficiency and improved patient outcomes.

Los Angeles location: Currently, programs of study are offered in a hybrid learning model. Select courses are offered through in-person instruction in the Herald Examiner building. The majority of courses are offered virtually from Arizona through a combination of synchronous and asynchronous learning technologies. Students should consult their advisor and schedule of classes for additional information.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Nursing, BSN

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

35 credit hours including the required applied project course (NUR 593).

Required Core (18 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3) or NUR 544 Theoretical Foundations for Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 608 Advanced Pharmacotherapeutics Across Lifespan (3) or NUR 545 Advanced Pharmacology (3)

NUR 501 Individual and Innovation Leadership in Health Care (3) or HCI 538 Innovation and the Individual (3)

NUR 502 Advanced Health Assessment and Health Promotion (2)

Other Requirement (14 credit hours)

NUR 509 Clinical Prevention and Population Health Practicum (2)

NUR 520 Patient Safety and Health Care Quality Principles, Assessment and Methods (3)

NUR 521 Health Care Evidence, Informatics and Analysis (3)

NUR 523 Interprofessional Collaboration for Designing Systems to Improve Patient Safety and HealthCare Quality (3)

NUR 529 Role-Focused Practicum: Patient Safety and Health Care Quality (3)

Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The accelerated option is open to online BSN students only. It is not an option for downtown BSN students.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with faculty is required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-nursing/>)

**Career Opportunities:**

With a master's in nursing, students can prepare to work in an advanced position or a leadership role in the field. During the program, students advance their skills in leadership, research, evidence-based practice, evaluation, critical thinking, health care quality and patient safety. Some possible job titles after earning this degree include:

- charge nurse
- chief nursing officer
- director of nursing
- lead nurse
- nurse manager
- nurse supervisor

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
HLTHN 113  
[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)  
602-496-0937

## Nursing (Entry to Nursing Practice), MS (NUNRENPRMS)

**Online Degree Search Title:** Nursing (Entry to Nursing Practice), MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS program with a concentration in entry into nursing practice provides a pathway to master's education for students who hold a baccalaureate degree in another discipline.

The plan of study builds on the students' prior baccalaureate education. This program option is delivered using a variety of face-to-face, hybrid and online delivery mechanisms. Graduates are eligible to take the National Council for Licensure Examination for Registered Nurses.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, it is recommended that students visit Professional Licensure (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

**Degree Requirements:**

64 credit hours including the required applied project course (NUR 593).

Required Core (18 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3) or NUR 544 Theoretical Foundations for Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 608 Advanced Pharmacotherapeutics Across Lifespan (3) or NUR 545 Advanced Pharmacology (3)

NUR 501 Individual and Innovation Leadership in Health Care (3) or HCI 538 Innovation and the Individual (3)

NUR 502 Advanced Health Assessment and Health Promotion (2)

Concentration (36 credit hours)

NUR 509 Clinical Prevention and Population Health Practicum (2)

NUR 514 Nursing Theory: Nursing Fundamentals (5)

NUR 515 Nursing Concepts for Psychiatric Mental Health (2)

NUR 516 Nursing Practice: Psychiatric Mental Health (2)



NUR 517 Nursing Practice: Pediatrics (2)  
NUR 518 Nursing Practice: Adults (4)  
NUR 519 Role-Focused Practicum: Care Coordination for the Nurse Leader (3)  
NUR 520 Patient Safety & Health Care Quality Principles, Assessment and Methods (3)  
NUR 521 Health Care Evidence, Informatics and Analysis (3)  
NUR 523 Interprofessional Collaboration for Designing Systems to Improve Patient Safety and Health Care Quality (3)  
NUR 524 Nursing Practice: Childbearing Family (2)  
NUR 533 Nursing Concepts: Childbearing Family (2)  
NUR 542 Readiness to Practice (3)

Other Requirements (7 credit hours)

NUR 417 Nursing Concepts: Pediatric Clients (2)  
NUR 478 Nursing Practice: Complex Care (2)  
NUR 546 Nursing Concepts for Complex Care (3)

Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution. Applicants who hold a BSN degree are not eligible and should apply to one of the other graduate nursing programs in the Edson College of Nursing and Health Innovation.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants may be admitted to the program with deficiencies. If a student is assigned any deficiency coursework by the academic unit upon admission, those courses must be completed with a grade of "B" (scale is 4.00 = "A") or higher before completing the graduate program's required coursework. Deficiency courses may include:

BIO 201 Human Anatomy and Physiology I and BIO 202 Human Anatomy and Physiology II  
CDE 232 Human Development  
CHM 101 Introductory Chemistry  
HCR 240 Human Pathophysiology  
MIC 205 Microbiology and MIC 206 Microbiology Laboratory  
NTR 241 Human Nutrition  
statistics (100-level or higher 3-credit hour course)

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

### **Career Opportunities:**

Graduates of this program have the knowledge and training to provide health care for patients in a wide variety of settings. Career examples include:

- intensive care nurse
- registered nurse

### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Nursing (Nursing Education), MS (NUNURSEDMS)

**Online Degree Search Title:** Nursing (Nursing Education), MS

**Campus:** Downtown Phoenix, ASU@Los Angeles, Online

### Program Description:

The country is experiencing a shortage of nursing faculty. The Master of Science in nursing with a concentration in nursing education can help prepare students to advance their career and achieve their goal of becoming a nurse educator in an academic or practice setting. During this program, students prepare to teach future nurses and nursing leaders. They learn about educational theory and research, curricular design and evaluation, academic and clinical assessment, testing and evaluation, and they gain and advance their skills in curriculum and course development and delivery, research and evidence-based practice, and evaluation methods.

Courses in this program are led by experienced nursing faculty and designed with active learning strategies. The advanced-level courses in education can be used to provide a transition to doctoral-level study if students choose to further their education. Depending on their career goals, students can choose to work with a clinical educator or an academic educator during the program.

At the completion of the program, graduates are eligible to take the National League for Nursing's Certified Nurse Educator certification examination.

### Degree Requirements:

38 credit hours including the required applied project course (NUR 593).

#### Required Core (18 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3) or NUR 544 Theoretical Foundations for Nursing (3)

DNP 602 Evaluating Research for Practice (3)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 608 Advanced Pharmacotherapeutics Across Lifespan (3) or NUR 545 Advanced Pharmacology (3)

NUR 501 Individual and Innovation Leadership in Health Care (3) or HCI 538 Innovation and the Individual (3)

NUR 502 Advanced Health Assessment and Health Promotion (2)

#### Concentration (12 credit hours)

NUR 670 Curriculum Development in Academic and Practice Settings (3)

NUR 671 Teaching in Academic and Practice Settings (3)

NUR 672 Design and Delivery of Mediated Instruction (3)

NUR 673 Producing and Evaluating Programs for Academic and Practice Settings (3)

#### Other Requirements (5 credit hours)

NUR 509 Clinical Prevention and Population Health Practicum (2)

NUR 579 Role-Focused Practicum: Nurse Educator (3)

#### Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

#### Additional Curriculum Information

This degree program culminates in an applied project related to learner-centered education. The core of the program consists of 18 credit hours of courses and a practicum. The program focuses on the science and art of nursing education, and includes theory and practice courses.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Licensure requirements: Applicants for the MS in nursing and MS in nursing (nursing education) program must meet one of the following criteria:

- hold a current unencumbered RN license in the state in which the student plans to do clinical practicums
- Students located outside of the United States must provide international nursing credentials evaluated by the Credentials Evaluation Services (CES) Professional Reports through the Commission on Graduates of Foreign Nursing Schools (CGFNS) International for equivalency to US RN licensure
- Recent graduates of a nursing program must take and pass NCLEX, and receive RN licensure by the end of their first semester in the program.

Health and Safety Requirements: Students recommended for admission must meet health and safety requirements by established deadlines, including a passing disposition on a background clearance, satisfactory completion of a substance screen, and other requirements, as a condition of admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-nursing-education/>)

#### **Career Opportunities:**

The master's degree program in nursing education can prepare students for a variety of careers helping to educate the future nursing workforce. Job titles include:

- charge nurse
- chief nursing officer
- clinical professor
- director of nursing
- faculty member
- lead nurse
- nurse educator
- nursing supervisor

Graduates also are prepared for career advancement.

#### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/ms/nursing-nursing-educator-ms>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## **Nursing and Healthcare Innovation, PHD (NUNHIPHD)**

**Online Degree Search Title:** Nursing and Healthcare Innovation, PhD

**Campus:** Downtown Phoenix

#### **Program Description:**

The Edson College PhD program in nursing and healthcare innovation provides an enriching academic environment that strongly fosters scholarship, critical thinking and interprofessional collaboration. This research-focused interdisciplinary doctoral degree is designed for individuals who wish to pursue and engage in careers as leaders in health science, health education and policy, and health innovation.

The doctoral graduate is prepared as a scholar with the research skills they need to generate, apply and disseminate scientific knowledge while demonstrating the leadership skills necessary for influencing health processes, outcomes, policy and innovation. Graduates are prepared to assume key positions in research, education and administration with the goal of optimizing quality of life and health across diverse populations and settings.

The program is offered in a traditional on-site delivery format and through an innovative, synchronous online delivery format that is coupled with occasional travel to campus. Doctoral faculty mentors who represent and value a diversity of backgrounds and intellectual perspectives are committed to providing a learner-centered, research-focused doctoral education.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

## Required Core (30 credit hours)

NUR 601 Scientific Role Development I: Engaging and Committing (1)

NUR 602 State of the Science in Nursing and Healthcare Innovation (3)

NUR 603 Social and Contextual Issues in Nursing and Healthcare (3) or NUR 610 Genomics and Population Health (3)

NUR 604 Philosophy of Science Perspectives in Nursing and Healthcare Innovation (3)

NUR 605 Theory Analysis (3)

NUR 606 Scientific Role Development II: Validating and Demonstrating (1)

NUR 607 Scientific Role Development III: Bridging (1)

NUR 608 Qualitative Research Design and Methods (3)

NUR 609 Quantitative Research Design and Methods (3)

NUR 617 Foundational Concepts in Science and Statistics (3) or DNP 679 Biostatistics: Principals of Statistical Inference (3)

NUR 618 Advancing Research-Based Health Policy Through Leadership and Innovation Science (3) or DNP 711 Healthcare Policy and Innovation (3)

NUR 671 Teaching in Academic and Practice Settings (3)

## Electives or Research (9 credit hours)

## Other Requirements (3 credit hours)

NUR 680 Research Practicum in Nursing and Health Innovation (3)

## Culminating Experience (12 credit hours)

NUR 799 Dissertation (12)

## Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework are made up of electives and research. From those elective and research hours, 12 credit hours are required in a substantive area of specialization and may be taken in any semester, based on availability and student interest. Twenty-four credit hours of coursework with a research focus are required, including 12 hours of dissertation credit.

Students are required to enroll in a minimum of nine credit hours per semester for years one and two of their plan of study. The plan of study can be as broad or as narrow as the student and the supervisory program committee deem necessary for the student's career goals. Students may choose from the following five substantive areas of study: aging, education, health care innovation leadership, healthy families or world health.

The program may incorporate courses from other disciplines to further refine substantive areas of study.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- goal statement essay
- writing sample
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must show completion of a current inferential statistics prerequisite course.

GRE scores are recommended, but not required.

Students are admitted once a year, to start in the fall semester.

#### Career Opportunities:

Career examples include:

- academic faculty (e.g., professor)
- health care executive
- health educator
- health-focused scientist

#### Contact Information:

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/phd/nursing-and-healthcare-innovation-phd>

MERCC 105

phdnursing@asu.edu

602-496-0930

## Pediatric Nurse Practitioner (Certificate), Certificate (NUPDNPGRCT)

**Online Degree Search Title:** Pediatric Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses who are board-certified in a different advanced practice nursing specialty area who seek additional certification as a primary care pediatric nurse practitioner and for nurses with a doctoral degree in nursing who seek to become a pediatric nurse practitioner. It also is a pathway for a DNP degree.

The primary care pediatric nurse practitioner certificate program prepares nurses to meet the physical, psychological and social needs of infants, children, adolescents and young adults (birth to 21 years of age). Core courses, including advanced pharmacology, advanced pathophysiology, advanced health assessment and others determined by the student's unique educational-work experience gap analysis, must be completed within the previous five years to be eligible for transfer credit. Using best evidence, specialty courses focus on health promotion and the assessment and management of culturally appropriate plans of health care for well infants, children, adolescents and young adults as well as those with minor, acute and stable complex and chronic health disorders.

This program is offered in a hybrid format that requires the student to travel to campus for up to a one-week orientation at the beginning of the program and then two or three times each semester for course in-person immersions.

Focused clinical experiences are arranged with appropriate preceptors for students residing in Arizona. Students who live in Maricopa County are assigned clinical experiences in that geographic area. In-state students who live outside of Maricopa County may be assigned clinical placements in other areas of Arizona based on the college's ability to secure clinical agreements with those sites. In the event that clinical sites are unavailable in the student's geographical area or if the faculty determines the student needs additional faculty supervision for clinical progress in the program, the student is required to complete the clinical experience in the Phoenix area.

Students residing outside of Arizona are responsible for securing one or more clinical sites in their area of residence. These sites must be approved by Edson College of Nursing and Health Innovation and a contract established with the site before starting any clinical experience.

Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas when sites are available for these experiences.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

**Degree Requirements:**

32 credit hours.

Required Core (32 credit hours)

DNP 640 Advanced Human Pathophysiology Pediatrics (4)

DNP 641 Advanced Health Assessment Pediatrics (3)

DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)

DNP 643 Developmentally Based Care of the Well Child (3)

DNP 644 Well Child Advanced Practicum (3)

DNP 645 Management of Common Problems in Pediatric Primary Care (3)

DNP 646 Management of Common Problems in Pediatric Primary Care Practicum (5)

DNP 647 Management of Complex and Chronic Health Problems in Pediatric Primary Care (3)

DNP 648 Management of Complex and Chronic Problems Pediatric Primary Care Practicum (5)

Additional Curriculum Information

Nurses who complete this certificate program meet the eligibility requirements to take a national pediatric nurse practitioner certification examination. In addition to completing didactic courses, students complete 13 credit hours (585 clock hours) of pediatric practicum experiences in a community setting.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to read *The Essentials of Doctoral Education for Advanced Nursing Practice* (2006) and then submit an admission essay. It should contain the following:

- description of career goals for the next five to 10 years and discussion about how an NP certificate from ASU will help meet these goals
- description of how meeting one of the first seven essentials (from the prescribed reading, above) will further the career goals

All Edson College of Nursing and Health Innovation students are required to complete health and safety requirements, and they must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

#### **Career Opportunities:**

The pediatric nurse practitioner role is well established in all urban and most rural areas of Arizona. Graduates are prepared to provide comprehensive health care for infants, children, adolescents and young adults. Careers include:

- clinical education and training of future health care providers
- community health centers
- fast track emergency departments
- outpatient primary and secondary health care clinics
- specialty health care

#### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0907

## **Regulatory Science, MS (NURSHSMS)**

**Online Degree Search Title:** Regulatory Science, MS

**Campus:** Downtown Phoenix, Online

#### **Program Description:**

The MS program in regulatory science is designed for students interested in protecting public health by controlling the distribution of products such as pharmaceuticals, medical devices, as well as agrochemicals. In particular, the ASU regulatory science program focuses on drugs and devices, preparing students for careers in the pharmaceutical, medical research and medical device industries.

The field of regulatory science focuses on the application of regulations throughout the lifecycle of medical products and compliance with regulations in the development, approval and marketing of medical products. This advanced degree incorporates a transdisciplinary approach to meet the unique needs of regulating bodies and the industry. While earning the Master of Science in regulatory science, students delve into all aspects of regulatory affairs including clinical research, ethics, quality systems, legal aspects and global regulatory practices in the regulatory field.

#### **Degree Requirements:**

33 credit hours including the required applied project course (HCR 593).

Required Core (18 credit hours)

- HCR 553 Quality Assurance and Clinical Research (3)
- HCR 561 Responsible Conduct of Clinical Research (3)
- HCR 563 Fundamentals of Regulatory Affairs (3)
- HCR 576 Drug Discovery, Development and Regulations (3)
- HCR 577 Global Regulatory Affairs (3)
- HCR 578 Legal Aspects of Clinical Research (3)

Restricted Electives (12 credit hours)

- HCR 552 Medical Device Development and Regulation (3)
- HCR 555 Pharmaceutical Safety and Risk Management (3)
- HCR 557 Clinical Research Design and Methods (3)
- HCR 558 Technical Writing for the Regulatory Professional (3)
- HCR 564 Global Regulatory Affairs Leadership (3)

HCR 568 Health Care Project Management (3)  
HCR 575 Management and Negotiation of Clinical Trial Budgets and Contracts (3)  
HCR 579 Translational Research in Drug Discovery and Development (3)

Culminating Experience (3 credit hours)  
HCR 593 Applied Project (3)

#### Additional Curriculum Information

For electives coursework, students choose four courses for 12 credit hours from the restricted electives list. Other coursework may be substituted with approval from the academic unit.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- two online recommendations
- personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The online references should be from professional colleagues, supervisors, professors or other professional contacts and should attest to the applicant's academic and leadership experiences.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/regulatory-science-ms/>)

#### Career Opportunities:

The field of regulatory affairs continues to grow as pharmaceutical and medical development advances. Companies are eager to hire regulatory science professionals into jobs such as:

- regulatory affairs professional
- regulatory coordinator
- regulatory scientist

#### Contact Information:

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
MERCC 250  
ClinicalResearchMgmt@asu.edu  
602-496-0937

## Regulatory Science (Food Safety), MS (NURGSCFSMS)

**Online Degree Search Title:** Regulatory Science (Food Safety), MS

**Campus:** Online

#### Program Description:

The food safety master's online program covers contamination concerns and regulations throughout the food supply chain from growing to distributing to selling. Courses analyze food safety regulations from local, state and federal agencies, including the U.S. Food and Drug Administration. Students also gain an understanding of the ethical and legal challenges of food safety and regulation.



The food science master's degree explores all aspects of food safety including inspections, hazard analysis, safe food practices and the handling of food emergencies. Students learn how to identify food safety issues through the use of videos and simulations and write reports on their findings. The applied learning in the degree directly relates to the type of food safety problems that most frequently occur in the preparation, storage and processing of food.

This food safety master's degree is also unique in that it aligns with the content on the Certified Professional Food Manager certification exam from the National Environmental Health Association. While the degree doesn't result in certification, the program helps prepare students to take the NEHA exam.

**Degree Requirements:**

33 credit hours including an applied project (HCR 593).

Required Core (18 credit hours)

HCR 553 Quality Assurance and Clinical Research (3)

HCR 561 Responsible Conduct of Clinical Research (3)

HCR 563 Fundamentals of Regulatory Affairs (3)

HCR 576 Drug Discovery, Development and Regulations (3)

HCR 577 Global Regulatory Affairs (3)

HCR 578 Legal Aspects of Clinical Research (3)

Concentration (12 credit hours)

HCR 543 Food Safety and Protection (3)

HCR 544 Assessing Food Safety and Developing Policy Procedures and Training (3)

HCR 550 Quality Assurance and Safety in Food and Dietary Supplements (3)

HCR 558 Technical Writing for the Regulatory Professional (3)

Culminating Experience (3 credit hours)

HCR 593 Applied Project (3)

Additional Curriculum Information

The culminating experience is an applied project course that includes a project based on a food topic studied during the degree program. Students choose a scientific, technical or regulatory project that includes a research protocol or professional presentation to industry professionals.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's science-based or related field degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-food-science/>)

**Career Opportunities:**

Graduates from the food safety master's degree are well suited for a variety of jobs in food safety and regulatory science. In particular, the program prepares students for local, state and federal regulatory careers in agencies such as the FDA, the U.S. Department of Agriculture, state and county health departments, and food manufacturers.

Food safety regulation is a science focused on the safe handling, distribution, selling and preparation of food. Professionals in the food safety industry conduct site inspections, assess food safety hazards, develop preventative food safety procedures, create food safety policies and more depending on the position. No matter the job, the goal in food safety and regulation positions is always to protect the consumer.

Regulatory science and food safety careers include but are not limited to:

- environmental health specialist
- facility manager
- food inspector
- food-safe chemical supplier
- quality assurance manager
- quality control manager
- registered sanitarian
- regulatory investigator

**Contact Information:**

Nursing and Health Innovation, Edson College of  
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<https://nursingandhealth.asu.edu/>  
HLTHS 308  
[nursingandhealth@asu.edu](mailto:nursingandhealth@asu.edu)  
602-496-2644

## Women's Health Nurse Practitioner (Certificate), Certificate (NUWHNPGRCT)

**Online Degree Search Title:** Women's Health Nurse Practitioner (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses who are board certified in a different APRN specialty area who seek additional certification as a women's health nurse practitioner or for nurses with a doctoral degree in nursing who seek to become a women's health nurse practitioner.

The post-master's certificate as a women's health nurse practitioner prepares graduates to provide holistic, client-centered primary care for women from adolescence through older adulthood. Courses focus on the assessment, diagnosis and evidence-based management of common and complex gynecologic, sexual, reproductive, menopause-transition and post-menopause health care; uncomplicated and high-risk antepartum and postpartum care; as well as sexual and reproductive health care for men. Courses emphasize research and theories to provide the context essential to advanced nursing practice focusing on health promotion, risk assessment and disease prevention for women across the lifespan, taking into account factors that influence health care and health outcomes.

This women's health nurse practitioner certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for orientation and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors. Every attempt is made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged.

As a participating National Council for State Authorization Reciprocity Agreements member since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in individual states in accordance with the council's established policies and standards; program exceptions are noted on the ASU Authorizations website (<https://asuonline.asu.edu/about-us/authorizations/> (<https://asuonline.asu.edu/about-us/authorizations/>)). A program exception means that the listed programs are not available to students located within the state.

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state-to-state, it is recommend that students review the professional licensure information (<https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)) to determine the requirements of individual state licensures or national certifications.

**Degree Requirements:**

23 credit hours.

Required Core (23 credit hours)

DNP 613 Women's Health Promotion I (3)

DNP 614 Women's Health Practicum I (3)

DNP 615 Management of Common Problems in Women's Health (3)

DNP 616 Advanced Women's Health Practicum II (5)

DNP 617 Management of Complex and Chronic Disease in Women (3)

DNP 618 Advanced Women's Health Practicum III (6)

#### Additional Curriculum Information

Nurses who complete this certificate meet the eligibility requirements to take the national women's health nurse practitioner certification examination. In addition to completing didactic courses, students complete 14 credit hours (630 clock hours) of practicum experiences in a community setting.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- admission essay
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants must be board certified in a different APRN specialty.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to submit an admission essay addressing the applicant's career goals for the next five to 10 years and how obtaining an NP certificate from Arizona State University will help them meet these goals and how meeting one of the first seven essentials from *The Essentials of Doctoral Education for Advanced Nursing Practice (2006)* will further their career goals.

All Edson College of Nursing and Health Innovation students are required to complete health and safety requirements, and must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

For U.S. Department of Education Gainful Employment Program Disclosure information, students should refer to the College of Nursing and Health Innovation website.

#### Career Opportunities:

Graduates of the women's health nurse practitioner certificate program have the knowledge and training to provide healthcare for patients across the lifespan in a wide variety of settings. The broad base of comprehension and clinical expertise enable graduates to effectively participate and lead within clinical, community, and academic arenas.

Career examples include:

- business owner
- community advocate
- nurse practitioner
- professor

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu>  
HLTHN 113  
nursingandhealth@asu.edu  
602-496-0937

## Public Service and Community Solutions, Watts College of

### Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)

**Online Degree Search Title:** Assessment of Integrative Health Modalities (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

The graduate certificate program in assessment of integrative health modalities provides students with extensive knowledge of integrative health practices and with an experiential and didactic experience in which cutting-edge research is explored, advanced skills are developed and a mindfulness practice is nurtured.

To satisfy the culminating project requirement, students may more deeply explore a topic of interest by completing an individual research paper or by performing a community activity that demonstrates mastery and application of the advanced skills acquired while enrolled in the certificate.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

SWG 655 Quality of Life, Mastering Mindfulness (3)

SWG 656 Treating the Whole Person (3)

SWG 657 Holistic Therapies for Modern Times (3)

Transdisciplinary Electives (6)

Additional Curriculum Information

After the completion of the three approved courses and prior to completing the last course of the program, students are required to complete a research project highlighting their certificate experience.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in health or human services or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

In addition, applicants are required to submit to the School of Social Work:

- a resume
- a one- to two-page statement
- the School of Social Work application to the assessment of integrative health modalities certificate program

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa will first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

This certificate is open to professionals in social work, nursing or related health and human service professions from the community as well as to students currently admitted to a health and human services degree program at the master's or doctoral level.

No more than two certificate courses may be completed before applying for admission to the certificate program.

#### Career Opportunities:

Professionals with expertise in health, behavioral health and medical settings are in high demand across many disciplines including:

- education.
- medicine
- nonprofit and for-profit agencies
- social services

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Social Work

<https://socialwork.asu.edu/content/assessment-integrative-health-ih>

UCENT 800

[sswgradcerts@asu.edu](mailto:sswgradcerts@asu.edu)

602-496-0800

## Community Development Practice, MPS (PPCMDVPMPS)

**Online Degree Search Title:** Community Development Practice, MPS

**Campus:** Downtown Phoenix

#### Program Description:

The MPS program in community development practice trains existing and future practitioners in approaches to developing healthy, sustainable and resilient communities. The program provides students with historical and theoretical foundations, applied research skills and core competencies centered around community building, development practices and the facilitation of democratic and cross-sector collaboration toward social innovation and community solutions. This program allows students to establish an emphasis on topics like housing and economic development, education, social and environmental justice, health, and sustainability, drawing from the extensive expertise of ASU faculty.

#### Degree Requirements:

30 credit hours including the required capstone course (CRD 596).

Required Core (15 credit hours)

CRD 570 Foundations of Community Development (3)

CRD 571 The Community Development Process (3)

CRD 573 Local and Regional Development (3)

CRD 574 Applied Research Skills (3)

CRD 577 Community Building Practice (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)

CRD 596 Community Development Capstone (3)

#### Additional Curriculum Information

Students are highly encouraged to work with a faculty advisor to establish an area of emphasis. The plan of study includes 12 credit hours of electives so students may gain specialized expertise in a specific area. Some examples include arts, culture and design, business, communications,

education, health, housing and economic development, law, social justice, sustainability, urban and environmental planning and urban design. Students should see the academic unit for suggested areas of emphasis and electives.

Students may select electives that are not on the approved electives list with administrative approval and by articulating the relevance to their plan of study.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

#### **Career Opportunities:**

Graduates are highly competitive for careers in areas such as local governance, nonprofit and philanthropic sectors, as well as for doctoral programs in community development, urban studies, public policy and related fields.

Career opportunities include:

- community development officers
- community health officers
- economic development officers
- housing policy officers
- public policy analysts
- sustainability officers

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu/>

UCENT 550

[scrd@asu.edu](mailto:scrd@asu.edu)

602-496-0550

## **Community Resources and Development, MS (PPRECDTMS)**

**Online Degree Search Title:** Community Resources and Development, MS

**Campus:** Downtown Phoenix

#### **Program Description:**

The MS in community resources and development is offered by the School of Community Resources and Development.

The master's degree program prepares students to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

Students choose between two academic options: the thesis or the professional option.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Development, BA
- Community Sports Management, BS
- Community Sports Management (Events), BS
- Nonprofit Leadership and Management, BS
- Nonprofit Leadership and Management (American Indian Studies), BS
- Parks and Recreation Management, BS
- Parks and Recreation Management (Therapeutic Recreation), BS
- Tourism Development and Management, BS
- Tourism Development and Management (Meetings and Events), BS
- Tourism Development and Management (Resort and Hotel Leadership), BS
- Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).

Required Core (15 credit hours)

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Community Services Management (3) or advanced inquiry course (3)

CRD 552 Critical Issues (3)

CRD 555 Theoretical Perspectives in Community Development (3)

Electives (9 or 15 credit hours)

Culminating Experience (6 credit hours)

CRD 593 Applied Project (6) or

CRD 599 Thesis (6)

Additional Curriculum Information

Completion of the master's degree in community resources and development requires two years of study, on the average.

Students may select a thesis or applied project. The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. The applied project option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Students in the applied project option take CRD 530 as part of their core coursework and 15 credit hours of electives.

Students in the thesis option take an advanced inquiry course as part of their core coursework and nine credit hours of electives. The thesis must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

Applicants should see the program website for application deadlines.

**Career Opportunities:**

Career opportunities after graduation include:

- tourism officers
- parks and recreation officers
- nonprofit and nongovernmental organization officers
- community services officers

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/degree-programs>  
UCENT 550  
scrd@asu.edu  
602-496-0550

## Community Resources and Development, PHD (PPCRDPHD)

**Online Degree Search Title:** Community Resources and Development, PhD

**Campus:** Downtown Phoenix

**Program Description:**

The PhD in community resources and development is a research-intensive doctoral degree program grounded in theory and designed to prepare graduates for research-oriented careers in higher education, governmental agencies, nonprofit organizations and private-sector businesses. The program is based on the concept of building sustainable and healthy communities as the unifying principle in the established focus areas of community studies; nonprofit leadership and management; parks, recreation and leisure; and tourism development and management.

The theoretical and methodological approaches embedded in this program serve to integrate scholarship in these areas in order for students to gain a more meaningful understanding of the impact on community life and dynamics.

The program is transdisciplinary in nature. The core faculty engaged in this program are housed in the School of Community Resources and Development. In addition, the program builds on current collaborations with faculty with related research interests from many ASU departments, schools and centers. In addition, the program builds on current collaborations with faculty with related research interests from many ASU departments, schools and centers.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

CRD 610 Sustainable Communities (3)

CRD 620 Community Research Methods (3)

CRD 640 Research Seminar in Community Resources and Development I (3)

CRD 650 Research Seminar II (3)

CRD 683 Fieldwork (3)

REC 502 Statistical and Data Analysis (3)

REC 555 Theoretical Perspectives in Community Development (3)

advanced statistics or methods (3)

Electives or Research (18 credit hours)

Culminating Experience (12 credit hours)

CRD 799 Dissertation (12)



#### Additional Curricular Information

Up to 30 credit hours from a previously awarded master's degree can count toward the doctoral requirements.

All students are advised as a cohort initially by the doctoral program director. Students are required to take 24 credit hours of core coursework, 15 hours of which are with the cohort during the first year and six hours of which are with the cohort during the second year. Students are assigned an individual advisor or mentor at the end of the first year of study. A supervisory committee is also formed at the end of the first year which reflects the interests of the student and faculty.

Each student develops a plan of study in consultation with the doctoral program coordinator, advisor and supervisory committee. Students complete elective coursework, including courses from contributing disciplines, selected in consultation with their advisor to foster the transdisciplinary nature of the degree program. Students also complete at least six credit hours of CRD 792 Research and 12 credit hours of CRD 799 Dissertation. When the majority of coursework has been completed and before dissertation research is started, students must complete a written examination followed by an oral examination. These examinations must be completed within five years of admission.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current and professional resume
- statement of academic and professional goals
- GRE test scores
- three letters of recommendation
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement. The minimum TOEFL requirement is 550 (PBT) or 80 (iBT). The minimum IELTS requirement is an overall band score of 6.5 (no individual band below a 6.0). The TOEFL or IELTS must have been taken within the last two years.

GRE must be taken within the past five years. Applicants are expected to meet the GRE minimum requirements (based on the new scoring system after August 2011) of combined score of at least 300 (old system 1000), verbal minimum of 146 (old system 400), quantitative minimum of 140 (old system 400), and writing of 3.5 (same for new and old systems).

The statement of academic and professional goals should be in sufficient detail to indicate compatibility with the educational objectives and capabilities of the doctoral program (approximately three pages, single spaced). Applicants need to explain their research interests and indicate the faculty member with whom they would like to work. Students should review faculty profiles ([https://scrd.asu.edu/faculty\\_directory](https://scrd.asu.edu/faculty_directory) ([https://scrd.asu.edu/faculty\\_directory](https://scrd.asu.edu/faculty_directory))) to learn their research expertise. Applicants are encouraged to contact the PhD program director prior to application submission to discuss interests and fit with the program and faculty. They are also encouraged to contact faculty with similar interests to discuss their fit with the program. Successful statements should make it clear why the applicants have chosen to do a doctorate in community resources and development and how this program will fulfill their career goals.

The recommendation letters may be a mix of academic and professional references, but each must address the applicant's capacity to successfully complete the doctoral program.

Students applying to the program are expected to have a master's degree (from an accredited institution) which included a master's degree-level research methods and statistics class or classes. If deficiencies exist in community resource and development-related coursework at the master's degree level, appropriate classes are suggested.

The doctorate in community resources and development is designed as a full-time, research-intensive program. Students are admitted once a year as a cohort and are generally expected to complete the degree in three to four years. A small number of part-time students on a longer completion time frame may be admitted when space is available. The school does not provide funding for part-time students.

Applications are reviewed by the admission committee and recommendations for admission are then made by the graduate program director to the

dean of the Graduate College.

**Career Opportunities:**

Graduates are prepared for research-oriented careers in higher education, governmental agencies, nonprofit organizations and private-sector businesses. Career opportunities include university professor, think-tank researcher, independent scholar, consultant, foundation officer, government officer and corporate social responsibility officer.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrd@asu.edu](mailto:scrd@asu.edu)  
602-496-0550

## Community Resources and Development (Nonprofits and NGOs), MS (PPCRDNPMS)

**Online Degree Search Title:** Community Resources and Development (Nonprofits and NGOs), MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS in community resources and development with a concentration in nonprofits and NGOs is a research-oriented degree program.

Students learn to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Nonprofit Leadership and Management, BS

Nonprofit Leadership and Management (American Indian Studies), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).

Required Core (15 credit hours)

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Community Services Management (3) or advanced inquiry course (3)

CRD 552 Critical Issues (3)

CRD 555 Theoretical Perspectives in Community Development (3)

Required Concentration (6 credit hours)

NLM 510 The Nonprofit Sector (3)

NLM 562 Social Entrepreneurship (3)

Elective or Research (3 or 9 credit hours)

Culminating Experience (6 credit hours)

CRD 593 Applied Project (6) or

CRD 599 Thesis (6)

Additional Curriculum Information

Completion of the master's degree in community resources and development requires two years of study, on the average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom will reside in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree-level classes.

Applicants interested in financial aid need to submit their applications by February 1 for fall semester admission and October 1 for spring semester admission. Applications are also be accepted on a rolling basis.

**Career Opportunities:**

This degree program builds student expertise in nonprofit leadership and management and is designed to prepare graduates for careers in:

- charitable associations
- foundations
- governmental agencies
- nonprofit organizations
- private-sector businesses

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/>  
UCENT 550  
scrd@asu.edu  
602-496-0550

## Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)

**Online Degree Search Title:** Community Resources and Development (Parks and Recreation Management), MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS in community resources and development with a concentration in parks and recreation management is a research-oriented master's degree program.

Students learn to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Development, BA
- Community Sports Management, BS
- Community Sports Management (Events), BS
- Parks and Recreation Management, BS
- Parks and Recreation Management (Therapeutic Recreation), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).

Required Core (15 credit hours)

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Community Services Management (3) or advanced inquiry course (3)

CRD 552 Critical Issues (3)

CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)

CRD 569 Advanced Tourism and Recreation Studies (3)

TDM 570 Sustainable Tourism (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)

CRD 593 Applied Project (6) or

CRD 599 Thesis (6)

Additional Curriculum Information

Completion of the master's degree program in community resources and development requires two years of study, on the average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

The applied project option is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree-level classes.

Applicants should see the program website for application deadlines.

**Career Opportunities:**

Graduates are prepared for careers in governmental agencies, nonprofit organizations and private-sector businesses. Career opportunities include:

- tourism officers
- parks and recreation officers
- nonprofit and nongovernmental organization officers
- community services officers.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/degree-programs>  
UCENT 550  
scrd@asu.edu  
602-496-0550

## Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)

**Online Degree Search Title:** Community Resources and Development (Sustainable Communities), MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS in community resources and development with a concentration in sustainable communities is a research-oriented master's degree program designed to prepare students for their future careers by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management; nonprofits and nongovernmental organizations; and sustainable communities.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Development, BA
- Community Sports Management, BS
- Community Sports Management (Events), BS
- Parks and Recreation Management, BS
- Parks and Recreation Management (Therapeutic Recreation), BS
- Tourism Development and Management, BS
- Tourism Development and Management (Meetings and Events), BS
- Tourism Development and Management (Resort and Hotel Leadership), BS
- Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours and a thesis, or 36 credit hours including the required applied project (CRD 593).

Required Core (15 credit hours)

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Community Services Management (3) or advanced inquiry course (3)

CRD 552 Critical Issues (3)

CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)

CRD 610 Sustainable Communities (3)

NLM 562 Social Entrepreneurship (3) or

NLM 572 Community and Social Innovations (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)

CRD 593 Applied Project (6) or

CRD 599 Thesis (6)

Additional Curriculum Information

Completion of the master's degree program in community resources and development requires two years of study on average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related discipline from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

Applicants should see the program website for application deadlines.

#### **Career Opportunities:**

This degree program prepares graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses. Career opportunities include:

- tourism officers
- parks and recreation officers
- nonprofit and nongovernmental organization officers
- community services officers.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrd@asu.edu](mailto:scrd@asu.edu)

## Community Resources and Development (Tourism), MS (PPCRDTMMS)

**Online Degree Search Title:** Community Resources and Development (Tourism), MS

**Campus:** Downtown Phoenix

### Program Description:

The MS in community resources and development with a concentration in tourism is a research-oriented master's degree program. Students learn to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Development, BA
- Community Sports Management, BS
- Community Sports Management (Events), BS
- Tourism Development and Management, BS
- Tourism Development and Management (Meetings and Events), BS
- Tourism Development and Management (Resort and Hotel Leadership), BS
- Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

30 credit hours and a thesis, or 36 credit hours including the required applied project (CRD 593).

Required Core (15 credit hours)

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Community Services Management (3) or advanced inquiry course (3)

CRD 552 Critical Issues (3)

CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)

CRD 569 Advanced Tourism and Recreation Studies (3)

TDM 570 Sustainable Tourism (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)

CRD 593 Applied Project (6) or

CRD 599 Thesis (6)

Additional Curriculum Information

Completion of the master's degree program in community resources and development requires two years of study on average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

Applicants should see the program website for application deadlines.

#### **Career Opportunities:**

This degree prepares graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses. Career opportunities include:

- tourism officers
- parks and recreation officers
- nonprofit and nongovernmental organization officers
- community services officers

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrd@asu.edu](mailto:scrd@asu.edu)  
602-496-0550

## **Corrections Management (Certificate), Certificate (PPCMGGRCT)**

**Online Degree Search Title:** Corrections Management (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

#### **Program Description:**

The graduate certificate in corrections management provides coursework in criminal justice organizations, corrections and community supervision, institutional management and in cross-disciplines such as public administration. The certificate program is designed to give students a solid foundational understanding of correctional administration, leadership and policy analysis.

#### **Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)  
CRJ 514 Seminar in Corrections (3)  
CRJ 529 Community Corrections (3)  
PAF 520 Public Management (3)

Electives (6 credit hours)

Additional Curricular Information

For electives, students should see the academic unit for the approved course list. There is no required culminating experience for this program.

#### **Admission Requirements:**



Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application
- official transcripts
- written statement of career and educational goals
- proof of English proficiency

Students not admitted to a graduate degree-granting program at ASU (nondegree-seeking students) must also submit two letters of recommendation and a current resume.

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students from related fields, such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program; however, all eligible students are considered. Although most students most likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school accepts applicants with undergraduate degrees from all educational backgrounds.

There are no required admission examinations for this program.

Students should see the program website for application deadlines and admission terms.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-corrections-management/>)

**Career Opportunities:**

Graduates of the corrections leadership and management graduate certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) including National Institute of Corrections, Federal Bureau of Prisons, and local and state-level corrections departments.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu>  
UCENT 600  
[gradscj@asu.edu](mailto:gradscj@asu.edu)  
602-496-2356

## Crime Analysis, MS (PPCRIMANMS)

**Online Degree Search Title:** Crime Analysis, MS

**Campus:** Online

**Program Description:**

The MS program in crime analysis is focused on crime analysis as a field, applicable to all levels of government (federal, state, local) and to positions in private sector organizations with functional and operational activities related to crime analysis. Students study topics relating to the current principles of crime analysis, crime mapping, and advanced statistical tools in crime analysis.

**Degree Requirements:**

Required Core (24 credit hours)

CRJ 506 Seminar in Crime Analysis (3)

CRJ 507 Social Network Analysis (3)

CRJ 508 Advanced Seminar Crime Analysis (3)

CRJ 509 Data Management (3)

CRJ 510 Criminal Justice Planning and Program Evaluation (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 512 Seminar in Policing (3)

CRJ 531 Crime Mapping (3)

Culminating Experience (6 credit hours)

CRJ 593 Applied Project (6)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology and criminal justice or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students with an undergraduate GPA under 3.00 may be permitted enrollment in up to 12 credit hours on a probationary basis. Those who maintain a GPA of 3.00 or higher are considered for regular admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-crime-analysis/>)

**Career Opportunities:**

Students completing this program are prepared for careers specializing in crime analysis and to lead a police crime analysis unit.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu>  
UCENT 600  
[gradscj@asu.edu](mailto:gradscj@asu.edu)  
602-496-2356

**Crime Analysis (Certificate), Certificate (PPCRMAGRCT)**

**Online Degree Search Title:** Crime Analysis (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate program in crime analysis is focused on crime analysis as a field, applicable to all levels of government (federal, state, local) and to positions in private sector organizations with functional and operational activities related to crime analysis. Students study topics relating to the current principles of crime analysis, crime mapping, and statistical tools in crime analysis.

**Degree Requirements:**

Required Core (15 credit hours)

CRJ 506 Seminar in Crime Analysis (3)

CRJ 510 Criminal Justice Planning and Program Evaluation (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 512 Seminar in Policing (3)

CRJ 531 Crime Mapping (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology, criminal justice, homeland security, counter-terrorism or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/crime-analysis/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu/>  
UCENT 600  
[gradscj@asu.edu](mailto:gradscj@asu.edu)  
602-496-2356

**Criminal Justice, MA (PPCRIMJMA)**

**Online Degree Search Title:** Criminal Justice, MA

**Campus:** Online

**Program Description:**

The MA program in criminal justice is designed to provide criminal justice agency professionals with training in research methods and statistics.

Coursework covers topics of criminology and the operation of the criminal justice system. The degree program also provides students with advanced training in program planning and management, policy analysis and program evaluation.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Criminology and Criminal Justice, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

33 credit hours including the required capstone course (CRJ 505).

Required Core (12 credit hours)

CRJ 501 Seminar in Criminal Justice (3)

CRJ 502 Seminar in Criminology (3)

CRJ 510 Criminal Justice Planning and Program Evaluation (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)

Capstone Course: CRJ 505 Theory and Practice in Criminal Justice (3)

Additional Curriculum Information

Students can develop specializations in areas such as policing, corrections and management by combining required and elective coursework.

Students should see the academic unit for an approved elective course list. Electives must be at the 500 level.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

Students should see the academic unit website for application deadlines.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-criminal-justice/>)

### **Career Opportunities:**

The Master of Arts program in criminology and criminal justice is designed to help advance a career in criminal justice.

Graduates find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in

criminal justice agencies (federal, state and local) including:

- city, county and state government liaison to criminal justice agencies
- communications supervisor (911 and dispatch)
- court administration
- evidence and crime scene supervisor (CSI activities)
- intelligence analysis
- law enforcement
- police crime analysis supervisor
- pretrial release
- probation, parole or community supervision
- property management and evidence retention supervisor
- risk management
- veterans services

Opportunities also exist in supervisory and management positions in social service agencies including:

- child and family services (e.g., Head Start, child support enforcement, foster care, elder care)
- Department of Economic Security
- homeless outreach

Graduates also have the opportunity to work in supervisory and management positions in the private sector, including online security, as well as in the cyber security sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu/degree-programs/Graduate-1/law-enforcement-administration>  
UCENT 600  
gradscj@asu.edu  
602-496-2356

## **Criminal Sentencing and Sentencing Advocacy (Certificate), Certificate (PPCSAGRCT)**

**Online Degree Search Title:** Criminal Sentencing and Sentencing Advocacy (Graduate Certificate)

**Campus:** Online

**Program Description:**

The certificate program in criminal sentencing and sentencing advocacy assumes that in order for any professional to function effectively they must have a fundamental knowledge of the respective roles sentencing professionals play during various phases of the criminal justice process.

In keeping with this viewpoint, all students are required to take courses for practice as both a presentence investigator and a sentencing advocate. Those courses are seminars in courts and sentencing, in presentence investigations and in alternatives to penal sanctions. After taking these required courses, they select an area of specialization to further their expertise as either a probation professional, mitigation specialist or victim advocate. They take these courses from a range of electives available in the schools of Criminology and Criminal Justice and Social Work.

This interprofessional certificate program also provides participants with content on the relationship between mental disorder and crime and the way in which differential sentencing frameworks affect the sentencing of offenders suffering from mental disorders.

This course is highly recommended for social workers desiring to practice as mitigation specialists and in criminal justice professions responsible for making recommendations about the appropriateness of sentencing alternatives.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

CRJ 513 Seminar in Courts and Sentencing (3)

SWG 528 Presentence Investigations (3)

SWG 529 Alternatives Penal Sanctions (3)

Electives (6 credit hours)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in social work, criminology, criminal justice or a related field, or if they are individuals who are currently enrolled in the master of criminal justice program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

There are no required admission examinations for this program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-criminal-sentencing-and-sentencing-advocacy/>)

**Career Opportunities:**

Social workers, criminal justice professionals and recent graduates of psychology and other social and behavioral sciences perform a number of roles in the disposition and sentencing of public offenders. They also provide support for victims of crime during the criminal justice process.

Career examples include:

- mitigation specialist
- probation professional
- victim advocate

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
sswgradcerts@asu.edu  
602-496-0800

## **Criminology and Criminal Justice, MS (PPCRJMS)**

**Online Degree Search Title:** Criminology and Criminal Justice, MS

**Campus:** Downtown Phoenix

**Program Description:**

The MS in criminology and criminal justice is a research degree program designed to provide students with a high level of theoretical and empirical knowledge about crime and criminal justice.

The program provides students with the advanced research skills, training in program planning and management, and policy and statistical analysis needed for careers as criminal justice researchers, leadership roles in criminal justice and related agencies and organizations, and for continued study in doctoral programs in criminology and criminal justice.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Public Administration - Downtown Phoenix, MPA

Public Policy, MPP

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Criminology and Criminal Justice, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours and a thesis, or 33 credit hours including the required capstone course (CRJ 505).

Required Core (12 credit hours)

CRJ 501 Seminar in Criminal Justice (3)

CRJ 502 Seminar in Criminology (3)

CRJ 503 Research Methods for Criminal Justice (3)

CRJ 504 Statistical Tools for Criminology and Criminal Justice (3)

Systems Courses (6 credit hours)

CRJ 512 Seminar in Policing (3)

CRJ 513 Seminar in Courts and Sentencing (3)

CRJ 514 Seminar in Corrections (3)

Electives (6-12 credits hours)

Other Requirement (0-3 credit hours)

CRJ 604 Advanced Statistical Analysis (3)

Culminating Experience: (3-6 credit hours)

CRJ 505 Theory and Practice in Criminal Justice (3) or

CRJ 599 Thesis (6)

Additional Curriculum Information

Students select two of the three systems courses listed above.

For the culminating experience, students choose either the thesis option or the capstone course. CRJ 604 Advanced Statistical Analysis is only required for the thesis option. To satisfy the thesis requirements for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's thesis committee. Students in the capstone option are not required to take CRJ 604.

Each student's program is designed in consultation with the faculty advisor.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- personal statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement should address the applicant's prior education and professional experience, discuss the applicant's career goals and explain how the degree will help the applicant achieve these goals.

Applicants should see the program website for application deadlines.

#### Career Opportunities:

Graduates of the Master of Science program in criminology and criminal justice find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) including:

- city, county, and state government liaison to criminal justice agencies
- communications supervisor (911 and dispatch)
- court administration
- evidence and crime scene supervisor (CSI activities)
- intelligence analyst
- law enforcement
- police crime analysis supervisor
- pretrial release
- probation, parole or community supervision
- property management and evidence retention supervisor
- risk management
- sheriff
- veterans services

Opportunities also exist in supervisory and management positions in social service agencies including:

- child and family services (e.g. Head Start, child support enforcement, foster care, elder care)
- Department of Economic Security
- homeless outreach
- victim advocate

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu/>  
UCENT 600  
[gradscj@asu.edu](mailto:gradscj@asu.edu)  
602-496-2356

## Criminology and Criminal Justice, PHD (PPCRJPHD)

**Online Degree Search Title:** Criminology and Criminal Justice, PhD

**Campus:** Downtown Phoenix

#### Program Description:

The School of Criminology and Criminal Justice at Arizona State University offers an on-campus program of coursework and research leading to the PhD in criminology and criminal justice.

This program emphasizes criminal justice theory, research and policy and is designed to produce highly skilled criminology and criminal justice faculty and agency researchers and administrators.

The doctoral program is organized around five components: a comprehensive examination, a core of required courses in research methods and analytical techniques, a core of required courses in theory and research on crime and the criminal justice system, a dissertation and elective courses in criminology, criminal justice and related fields.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.



Required Core (12 credit hours)

- CRJ 601 Seminar on Criminological Theory (3)
- CRJ 602 Seminar on Criminal Justice Policies and Practices (3)
- CRJ 604 Regression Models (3)
- CRJ 605 Topics in Quantitative Methods (3)

Theory Coursework (6 credit hours)

- CRJ 521 Seminar in Criminological Psychology (3)
- CRJ 523 Seminar in Network Criminology (3)
- CRJ 524 Theories of Punishment (3)
- CRJ 525 Seminar on Life-Course Criminology (3)

Criminal Justice Systems Coursework (9 credit hours)

- CRJ 512 Seminar in Policing (3)
- CRJ 513 Seminar in Courts and Sentencing (3)
- CRJ 514 Seminar in Corrections (3)
- CRJ 517 Seminar on Juvenile Delinquency and Juvenile Justice (3)

Criminal Procedures Coursework (3 credit hours)

- CRJ 537 Criminal Procedure of Investigations for Social and Forensic Scientists (3)
- CRJ 538 Criminal Law and Social Control (3)
- CRJ 539 Topics in Law, Crime, and Justice (3)

Research Methods (6 credit hours)

- CRJ 510 Criminal Justice Planning and Program Evaluation (3)
- CRJ 531 Crime Mapping (3)
- CRJ 540 Qualitative Methods (3)
- CRJ 560 Topics in Research Methods (3)

Electives (36 credit hours)

Culminating Experience (12 credit hours)

- CRJ 799 Dissertation (12)

Additional Curriculum Information

A maximum of 30 credit hours of coursework from a previously awarded master's degree or JD may, with approval of the supervisory committee and the Graduate College, be applied toward the doctoral plan of study.

For the theory, criminal justice systems, criminal procedures and research methods courses, students select the number of required credit hours from the list provided. Other courses may be substituted with approval of the academic unit.

The following professional development workshop courses are recommended, but not required.

- CRJ 614 Professional Development Workshop I: Professionalism (0)
- CRJ 615 Professional Development Workshop II: Preparing to Teach Effectively (0)
- CRJ 616 Professional Development Workshop III: Navigating the Academic Job Market in CCJ (0)

All students must demonstrate proficiency in research design as well as quantitative and qualitative methods.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

An applicant should hold a master's degree from an accredited institution; it may be in criminal justice, criminology or another field (e.g. sociology, political science, history, social work, public administration, psychology or philosophy). In exceptional cases, the admission committee will consider applicants who hold only a bachelor's degree.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- two letters of recommendation
- current curriculum vitae or resume

- personal statement
- sample of the applicant's written work
- proof of English proficiency.

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Requirements can be found at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

Official transcripts must be submitted from every university or institution in which a degree was awarded.

GRE scores must be from within the last five years.

The letters of recommendation must be from faculty members or others qualified to evaluate the applicant's academic potential for doctoral study.

The personal statement should not exceed five pages, and it should describe the applicant's prior education, relevant professional experience and career goals. The statement must explain how the doctorate in criminology and criminal justice will help the applicant attain his or her career goals. The statement should explicitly explain how the student's plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU.

The applicant's sample of written work should be submitted electronically. The writing sample may be an article (published or unpublished), a research paper, or any other extended sample of expository skill, and the sample must be no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents should not be password protected. Acceptable file types are .rtf, .pdf, and .doc.

Students should see the unit website for application deadlines.

#### Career Opportunities:

Graduates of the criminology and criminal justice doctorate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state, and local), policymaking, and teaching and research, including:

- city, county, and state government liaison to criminal justice agencies
- court administration
- detective or investigator
- evidence and crime scene supervisor (CSI activities)
- forensic scientist
- intelligence analysis
- law enforcement or police crime analysis supervisor
- policy analyst
- probation, parole or community supervisor
- professor of criminal justice

Opportunities also exist in supervisory and management positions in social service agencies including:

- child and family services (e.g. Head Start, child support enforcement, foster care, elder care)
- Department of Economic Security
- homeless outreach
- victim advocate

Graduates also have the opportunity to work in supervisory and management positions in the private sector, including online security, as well as in the cyber security sector.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice

<https://ccj.asu.edu/>

UCENT 600

[gradscj@asu.edu](mailto:gradscj@asu.edu)

602-496-2356

## Domestic Violence and Evidence-Based Practice (Certificate), Certificate (PPDVEPGRCT)

Online Degree Search Title: Domestic Violence and Evidence-based Practice (Graduate Certificate)  
Academic Catalog Archive 2021-2022

**Campus:** Downtown Phoenix

**Program Description:**

The certificate program in domestic violence and evidence-based practice provides students with the experience and knowledge to intervene safely and effectively on behalf of survivors of gender-based violence, a vulnerable group that helping professionals are likely to encounter in all areas of practice. Graduates who have learned the dynamics of domestic violence and other forms of violence against women are better equipped to assist those suffering its negative physical and mental health consequences.

Evidence-based care is crucial in domestic violence settings. Students in the certificate program engage in service-based and classroom learning to understand the role of evidence-based interventions in promoting survivor safety and client empowerment. Upon completion of the program, certificate holders become verified advocates for victims of domestic violence in the state of Arizona.

**Degree Requirements:**

15 credit hours.

Required Core (3 credit hours)

SWG 545 Domestic Violence and National AmeriCorps Service (3)

Restricted Electives (6 credit hours)

SWG 546 Approaches to Teen Dating Violence Prevention (3)

SWG 618 Advanced Practice in Domestic Violence (3)

SWG 647 The Domestic Violence Movement: An Intersectional Framework (3)

SWG 648 Intimate Partner Violence Risk Assessment (3)

Other Requirement (6 credit hours)

SWG 541 Field Practicum I (3) or SWG 641 Advanced Practicum: Direct Practice I (3) or SWG 643 Advanced Practicum: Planning, Social Work Administration and Community Practice I (3)

SWG 542 Field Practicum II (3) or SWG 642 Advanced Practicum: Direct Practice II (3) or SWG 644 Advanced Practicum: Planning, Social Work Administration and Community Practice II (3)

Additional Curriculum Information

For restricted electives, students select two courses from the approved course list. Other coursework may be used with the approval of the academic unit.

For the other requirement section, students must select one course from SWG 541, SWG 641 or SWG 643 and one course from SWG 542, SWG 642 or SWG 644. Other coursework may be used with approval of the academic unit.

The student's department-specific field experience practicum credits may be substituted for the other requirement section with department approval.

All students are required to complete 300 hours (minimum) of domestic violence service through a field experience practicum. Students should work with the academic unit in coordinating the field experience practicum. Concurrent to the beginning of their field experience practicum, students take the Domestic Violence and National AmeriCorps Service core course (SWG 545) in order to learn about the foundations for working with domestic violence victims. The coursework and field experience practicum experience maximize experiential learning opportunities.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and are degree-seeking graduate students. Experience in social work, social services or a related field is required.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered

for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants interested in the domestic violence and evidence-based practice certificate are asked to attend an interview. The interview is a chance to help the student find an appropriate field experience or practicum to match the certificate requirements.

### **Career Opportunities:**

The domestic violence and evidence-based practice certificate program prepares graduates to work with domestic violence survivors. Prospective administrators, helping professionals and community activists gain practical knowledge, implement interventions backed by evidence, and develop the tools and networks to create change for survivors, families and communities. Graduates are verified as Domestic Violence Advocates in the State of Arizona.

Career examples include:

- clinician or therapist
- domestic violence or lay legal advocate
- domestic violence support group facilitator
- shelter case manager

### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu/gender-violence/domestic-violence-certificate/graduate>  
UCENT 810W  
sswgradcerts@asu.edu  
602-496-0800

## **Emergency Management (Certificate), Certificate (PPEMEGRCT)**

**Online Degree Search Title:** Emergency Management (Graduate Certificate)

**Campus:** Downtown Phoenix

### **Program Description:**

The graduate certificate program in emergency management provides motivated students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management. More specifically, an orientation on all-hazards and all-threats provides students with a generalist perspective, which is critically important for today and tomorrow's disaster managers.

The certificate program may be of interest to students in disciplines such as public policy, planning, political science, nonprofit management, social work, criminology and other related fields.

### **Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

PAF 520 Public Management (3)

PAF 552 Integrated Emergency Management (3)

PAF 555 Information Technology in Emergency Management (3)

Electives (6 credit hours)

Additional Curriculum Information

For electives, students should see the academic unit for an approved course list. Other coursework may be used with the approval of the academic unit.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of career and educational goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The program is ideal for students from related fields, including political science, planning, urban and metropolitan studies, sociology as well as other social science degrees; however, applicants from all educational backgrounds may be accepted provided they meet the minimum requirements. Current ASU graduate students are eligible for the certificate as a supplement to their existing degree program. In addition, students not enrolled in a graduate program at ASU are also eligible to apply as nondegree students provided they meet the admission criteria stated above. However, MPA students in the emergency management concentration are not eligible for admission.

Students should see the program website for application deadlines.

#### **Career Opportunities:**

Students completing this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations whose work interfaces with the public sector.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/gradcertificates>  
UCENT 400  
spa@asu.edu  
602-496-0450

## **Emergency Management and Homeland Security, MA (PPEMHSMA)**

**Online Degree Search Title:** Emergency Management and Homeland Security, MA

**Campus:** Downtown Phoenix, Online

#### **Program Description:**

The MA program in emergency management and homeland security is designed to assist the professional development of current or future practitioners as the next generation of leaders in these fields.

The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of the 21st century. Its core values of collaboration between practitioners, faculty and students; public service; commitment to diversity; critical thinking and evidence-based assessment are all central to promoting informed and effective leadership.

One of the unique features of this program is its breadth of content coverage. The program offers the following five distinct concentration areas: emergency management, homeland security, community resilience, biosecurity and threat management, and cybersecurity policy and management. These subject area specializations underscore the program's commitment to strategic thinking about current and future challenges. Likewise, the program has a number of learning opportunities from an international perspective.

When students enroll in this program, they are encouraged to choose one of these area specializations. Students can enroll in the degree program without declaring a concentration; however, selecting a concentration is advisable because doing so assists in developing knowledge, skills and abilities pertinent to an intended career path.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS  
Academic Catalog Archive 2021-2022

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including an applied project course (CRJ 593 or PAF 593), or 33 credit hours including an applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

For electives, students should see the academic unit for the approved course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, environmental sciences or geography, public health or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate application and application fee
- official transcripts
- evidence of current employment in an organization in this field or at least two years; prior professional experience in this or a related field or a bachelor's degree in a related area is required.
- two letters of recommendation
- a written statement
- proof of English proficiency

Additional Admission Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-emergency-management-and-homeland-security/>)

**Career Opportunities:**

Graduates with a Master of Arts in emergency management and homeland security have career opportunities illustrated in the following list. Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

- cybersecurity specialist
- disaster recovery specialist
- emergency manager
- exerciser and trainer

- hazard mitigation officer.
- homeland security specialist
- intelligence analyst
- planner
- public health emergency preparedness officer

**Contact Information:**

Public Service and Community Solutions, Watts College of  
 Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma>  
 UCENT 780  
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 602-496-0915

**Emergency Management and Homeland Security (Biosecurity and Threat Management), MA (PPEMHSBTMA)**

**Online Degree Search Title:** Emergency Management and Homeland Security (Biosecurity and Threat Management), MA

**Campus:** Downtown Phoenix, Online

**Program Description:**

Biosecurity and threat management is an important and emerging area related to the intersection of homeland security, public health and risk management. It addresses a unique set of hazard and threat management issues related to bioterrorism, agroterrorism and communicable disease threats associated with disaster incidents, as well as biodefense overall. The biosecurity and threat management concentration within the MA program in emergency management and homeland security is designed to assist professional development aimed at meeting these types of current and emerging challenges. Some of the coursework in this concentration area is offered through the University of New South Wales (Australia) as part of the PLS alliance program.

The emergency management and homeland security program's students serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of the 21st century. Its core values of collaboration between practitioners, faculty and students; public service; commitment to diversity; critical thinking and evidence-based assessment are all central to promoting informed and effective leadership.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Concentration (6 credit hours)

CPP 581 Bioterrorism and Health Intelligence (3)

CPP 583 Health Aspects of Crises, Emergencies, Disasters (3)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students choose one of the applied project courses listed.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement
- evidence of current employment
- proof of English proficiency

**Additional Admission Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement must be at least one page in length, which describes the applicant's educational and career goals and long-term professional development strategy. Evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field or a bachelor's degree in a related area.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-biosecurity-and-threat-management/>)

**Career Opportunities:**

A biosecurity and threat management degree can help students pursue key leadership and management positions at a variety of public sector agencies at the federal, state and local level as well as in and related organizations. There are also private-sector job options, such as in the hospital sector, health care and security. No matter where graduates seek employment, they can help protect people, animals and plants from a wide variety of biological threats.

Career examples include:

- biosafety officer
- biosecurity monitor
- biosecurity officer
- biosecurity specialist
- bioterrorism researcher
- data scientist

**Contact Information:**

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## Emergency Management and Homeland Security (Community Resilience), MA (PPEMHSCRMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Community Resilience), MA

**Campus:** Downtown Phoenix, Online

**Program Description:**

Community resilience refers to the efforts of government and nongovernment actors to develop policies and practices aimed at reducing short and



long-term hazards risk in order to enhance safety, sustainability and overall community resilience capacity.

This concentration within the MA program in Emergency Management and Homeland Security is focused on understanding how community resilience is developed and promoted across government agencies (local, state and federal) as well as private and nonprofit sector organizations in which functional and operational responsibilities relate to planning, hazards mitigation, disaster recovery or sustainability. Further, it leverages international partners in Australia and the United Kingdom through the PLS Alliance for additional course offerings.

Program students serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of the 21st century. Its core values of collaboration between practitioners, faculty and students, public service, commitment to diversity, critical thinking and evidence-based assessment are all central to promoting informed and effective leadership.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Concentration (6 credit hours)

CPP 511 Hazard Mitigation Planning (3)

PAF 560 Community Resilience (3)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students choose one of the applied project courses listed.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement,
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

#### Additional Admission Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate-master-arts-community-resilience/>)

#### Career Opportunities:

The U.S. Bureau of Labor Statistics predicts faster than average job growth in the homeland security and emergency management fields over the next 10 years. Graduates with a master's degree in emergency management and homeland security with a concentration in community resilience are well suited for a variety of career opportunities, including:

- disaster recovery specialist
- emergency management
- environmental quality
- hazard mitigation specialist
- planning
- public health emergency preparedness

#### Contact Information:

Public Service and Community Solutions, Watts College of

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<https://publicservice.asu.edu/programs/ma/emergency-management-and-homeland-security-community-resilience-ma>

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## Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA (PPEHSCPMMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA

**Campus:** Downtown Phoenix, Online

#### Program Description:

Cybersecurity is an important threat and vulnerability issue that cuts across multiple domains.

The cybersecurity policy and management concentration within the MA program in emergency management and homeland security provides motivated students with knowledge, skills and abilities to assume leadership, key management and other key operational positions with public sector agencies (or related private sector organizations) with responsibilities related to managing cybersecurity hazards in the area of homeland security, emergency management, critical infrastructure protection, risk management and other related fields.

This concentration is uniquely geared toward professionals in emergency management, homeland security, critical infrastructure protection, hazard mitigation, planning and emergency preparedness who do not seek nor require highly technical training in cybersecurity (beyond a basic competency level) but, instead, have major operational responsibilities that pertain to cyber-related vulnerabilities. This program is a unique contribution: It provides education and training on cyber policy and management issues for general administrators. Further, it leverages the PLuS Alliance for course offerings.

Students serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of the 21st century. Its core values of collaboration between practitioners, faculty and students, public service, commitment to diversity, critical thinking and evidence-based assessment are all central to promoting informed and effective leadership.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including an applied project (CPP 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Concentration (6 credit hours)

CPP 575 U.S. Cyber and Information Security Policy (3)

CPP 576 Information Assurance Principles (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3)

Additional Curriculum Information

Students take up to three courses as part of the PLuS Alliance program with the University of New South Wales.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should show current employment in an organization in this field or at least two years prior professional experience in emergency management or a related field, or a bachelor's degree in a related area.

The written statement must be at least one page in length and must describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/cybersecurity-policy-and-management-ma/>)

**Career Opportunities:**

Graduates with a Master of Arts in emergency management and homeland security with the cybersecurity policy and management concentration have a wide range of career opportunities, and management of cyber-related hazards cuts across a broad set of professional areas. The following list illustrates the types of career. Advanced degrees or certifications may be required for academic or clinical positions.

Career examples include:

- crisis manager - corporate operations

- emergency management director
- emergency preparedness coordinator or specialist
- information security analyst
- logistics coordinator or manager
- security manager - corporate operations
- security operations center manager

**Contact Information:**

Public Service and Community Solutions, Watts College of

Watts College of Public Service & Community Solut

<https://publicservice.asu.edu/programs/ma/emergency-management-and-homeland-security-cybersecurity-policy-and-management-ma>

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## Emergency Management and Homeland Security (Emergency Management), MA (PPEMHSEMMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Emergency Management), MA

**Campus:** Downtown Phoenix, Online

**Program Description:**

The emergency management concentration within the MA program in emergency management and homeland security is designed for individuals who intend to assume greater management responsibility in helping communities reduce vulnerability to hazards and cope with disasters in both private and public settings.

Students gain an essential understanding of the entire vision, mission and principles of emergency management with an emphasis on policy analysis and program evaluation, leadership, management, use of technology interagency and cross-sector collaboration. Core concepts and analytic approaches to disaster risk reduction and the promotion of community resilience capacity are addressed in concentration courses.

Program students serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of the 21st century. Its core values of collaboration between practitioners, faculty and students; public service; commitment to diversity; critical thinking and evidence-based assessment are all central to promoting informed and effective leadership. Further, it leverages international partners in Australia and the United Kingdom through the PLuS Alliance for additional course offerings.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Concentration (6 credit hours)

CPP 512 Exercises and Planning for Emergency Management and Homeland Security (3)

PAF 555 Information Technology in Emergency Management (3)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

#### Additional Curriculum Information

For the culminating experience, students choose one of the applied project courses listed.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

#### Additional Admission Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-emergency-management/>)

#### Career Opportunities:

Graduates with a Master of Arts in emergency management and homeland security have career opportunities illustrated in the following list. Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

Career options include:

- continuity of operations planner
- disaster recovery specialist
- emergency manager
- hazard mitigation officer
- logistics specialist
- training and exercises

#### Contact Information:

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut

<https://publicservice.asu.edu/programs/ma/emergency-management-and-homeland-security-emergency-management-ma>  
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## Emergency Management and Homeland Security (Homeland Security), MA (PPEMHSMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Homeland Security), MA

**Campus:** Downtown Phoenix, Online

#### Program Description:

The homeland security concentration within the MA program in emergency management and homeland security is focused on homeland security as a field, applicable to all levels of government (federal, state and local) and to positions in private sector organizations with functional and operational skills related to organizational security.

Students gain an essential understanding of the public policy and practice on homeland security and homeland defense issues, with an emphasis on policy analysis and program evaluation, leadership, management, use of technology interagency and cross-sector collaboration. Further, it leverages international partners in Australia and the United Kingdom through the PLuS Alliance for additional course offerings.

Students in the program serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of the 21st century. Its core values of collaboration between practitioners, faculty and students; public service; commitment to diversity; critical thinking and evidence-based assessment are all central to promoting informed and effective leadership.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)

CPP 510 Hazards Governance (3)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 570 GIS for Hazards Analysis (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

CRJ 554 Homeland Security (3)

PAF 552 Integrated Emergency Management (3)

Concentration (6 credit hours)

CPP 514 Interagency and Intersector Coordination for Emergencies and Disasters (3)

CRJ 553 Terrorism and Weapons of Mass Destruction (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students choose one of the applied project courses listed.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field or a bachelor's degree in a related area
- proof of English proficiency

#### Additional Admission Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-homeland-security/>)

#### Career Opportunities:

The U.S. Bureau of Labor Statistics predicts faster than average job growth in the homeland security and emergency management fields over the next 10 years. Graduates with a master's in emergency management and homeland security are well suited for positions in both the public and private sectors.

Career examples include:

- cybersecurity specialist
- homeland security specialist
- intelligence analysis
- logistics specialist
- planner
- policy analyst

#### Contact Information:

Public Service and Community Solutions, Watts College of

Watts College of Public Service & Community Solut

<https://publicservice.asu.edu/programs/ma/emergency-management-and-homeland-security-homeland-security-ma>

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## Homeland Security (certificate), Certificate (PPHLSGRCT)

**Online Degree Search Title:** Homeland Security (Graduate Certificate)

**Campus:** Online

#### Program Description:

The graduate certificate program in homeland security is focused on homeland security as a field related to organizational security.

Students can study topics related to current international and domestic terrorism issues, global security, intelligence analysis, cybersecurity issues, crime prevention and law enforcement.

#### Degree Requirements:

18 credit hours.

Required Core (12 credit hours)

CRJ 553 Terrorism and Weapons of Mass Destruction (3)

CRJ 554 Homeland Security (3)

CRJ 557 Seminar in Domestic Terrorism (3)

CRJ 558 Seminar in International Terrorism (3)

Electives or Research (6 credit hours)

#### Additional Curriculum Information

Students should see the academic unit for available elective and research coursework.

Students may choose to participate in a study abroad experience in counterterrorism in Israel during the summer term that may be used to fulfill elective coursework. Students who choose this option enroll in CRJ 555 Police and International Terrorism and CRJ 556 Etiology of Martyrdom.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology, criminal justice, homeland security, counter-terrorism or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of intent
- professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letter of intent, resume and letters of recommendation are not needed if the applicant is already matriculated in an ASU master's degree program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/homeland-security-grad-cert/>)

**Career Opportunities:**

Graduates of the homeland security graduate certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) including the Cybersecurity and Infrastructure Security Agency, U.S. Customs and Border Protection, the U.S. Secret Service, and local law enforcement agencies.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu/>  
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[gradscj@asu.edu](mailto:gradscj@asu.edu)  
602-496-2356

## Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)

**Online Degree Search Title:** Latino Cultural Competency in Social Work (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

The goal of the graduate certificate in Latino cultural competency in social work is to enhance a social work professional's capacity for engaging in culturally grounded practice with Latino clients and their families.

The program provides social work students the opportunity to learn the critical, cross-cultural factors that influence a worker's competency in forming professional helping relationships with Latinos; understand the social and cultural context and theoretical principles of social work practice with Latinos; and learn the social service delivery issues involved in providing services for bilingual and limited- or non-English speaking Latino populations.

The School of Social Work offers Latino-oriented courses with an emphasis on Spanish language development for professional social workers.

**Degree Requirements:**

15 credit hours.

The following is required for students enrolled in the Master of Social Work program:

- completion of 480 hours of field practicum with Latino clients and communities (60% of case load to be Spanish-speaking)
- field practice consisting of six credit hours of field practicum



- six credit hours of Latino-oriented coursework
- SWG 533 Diversity and Oppression in a Social Work Context (3)

At least three credit hours are required to be taken from within the School of Social Work.

Requirements for those already working in the field of social work as a community professional social worker and community worker are as follows:

- six credit hours of independent study field practice consisting of the completion of 480 hours with Latino clients and communities (60% of client caseload to be Spanish-speaking)
- six credit hours of Latino-oriented coursework
- SWG 533 Diversity and Oppression in a Social Work Context (3)

#### Additional Curriculum Information

At least three credit hours of the Latino-oriented coursework are required to be taken from within the School of Social Work.

Students already working in the field of social work may petition to use their place of employment for the six credit hours of independent study field practice.

Students with a Master of Social Work or BSW degree who have completed SWG 533 in the past five years may substitute another Latino-oriented course.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- the School of Social Work Latino cultural competency application form and the required \$50 application fee
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

No more than two certificate courses may be completed before applying for admission to the certificate program.

Social work graduate students must have graduate status in the Watts College of Public Service and Community Solutions' School of Social Work and must demonstrate proficiency in the Spanish language.

Community professional social workers must possess a Master of Social Work, Bachelor of Social Work or related master's degree and must demonstrate proficiency in the Spanish language.

Community workers must have the equivalency of a two-year work experience in the social service field, an undergraduate degree and demonstrate proficiency in the Spanish language.

#### Career Opportunities:

The Latino cultural competency in social work certificate is intended for graduate social work students and current professional social workers who want to expand their employment potential by adding an expertise in professional services with Latino populations. Graduates can:

- demonstrate the ability to communicate with the growing monolingual Spanish speaking population
- demonstrate an understanding of issues affecting Latino populations
- increase their cultural competency as social workers regarding Latino populations

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
sswgradcerts@asu.edu  
602-496-0800

## Law Enforcement Administration (Certificate), Certificate (PPLEAGRCT)

**Online Degree Search Title:** Law Enforcement Administration (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

### Program Description:

The graduate certificate program in law enforcement administration prepares and enhances the work of law enforcement professionals by providing coursework in criminal justice organizations, policing and program analysis and in cross-disciplines such as public administration. The program is designed to give students a solid foundational understanding of law enforcement agency administration, leadership and policy analysis.

### Degree Requirements:

15 credit hours.

Required Courses (9 credit hours)

CRJ 512 Seminar in Policing (3)

CRJ 527 Police Accountability (3)

PAF 520 Public Management (3)

Restricted Electives (6 credit hours)

Culminating Experience: none required

Additional Curriculum Information

Students should see the academic unit for the approved restricted elective course list. Restricted electives may be substituted with approval of the academic unit.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants who are nondegree-seeking students (not admitted to a graduate degree program at ASU) will be required to submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate (if applicable) coursework
- a written statement of career and educational goals
- two letters of recommendation
- current resume
- proof of English proficiency

Applicants who are graduate degree-seeking students (admitted to a graduate program at ASU) will be required to submit:

- graduate admission application
- a written statement of career and educational goals

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students from related fields such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program; however, all eligible students are considered. Although most students would likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school accepts applicants with undergraduate degrees from all educational backgrounds.

There are no examinations required for admission to the certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-law-enforcement-administration/>)

**Career Opportunities:**

Graduates of the law enforcement administration graduate certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) including: city police departments, county sheriff's offices, state bureaus of investigation and federal law enforcement agencies.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu>  
UCENT 600  
[gradscj@asu.edu](mailto:gradscj@asu.edu)  
602-496-2356

## Nonprofit Leadership and Management, MNLM (PPNPSMNS)

**Online Degree Search Title:** Nonprofit Leadership and Management, MNLM

**Campus:** Downtown Phoenix, Online

**Program Description:**

Offered through the School of Community Resources and Development, the MNLM program is intended for mid-level professionals who work or desire to work in the nonprofit sector at senior leadership and management levels. The program provides an opportunity to obtain an advanced degree that addresses the unique character of nonprofit organizations and the social sector.

Students explore both theory and the practice of leadership and management in the nonprofit sector. The degree allows graduates enhanced recognition and credentials similar to those who have graduate degrees in administration or management.

**Degree Requirements:**

33 credit hours including the required capstone course (NLM 620).

Required Core (18 credit hours)

NLM 510 The Nonprofit Sector (3)

NLM 520 Financial and Resource Management (3)

NLM 530 Program Evaluation and Information Management (3)

NLM 540 Strategic Human Resources Management (3) or NLM 545 Volunteer Resource Management (3)

NLM 550 Philanthropy (3)

NLM 620 Capstone: Integrative Seminar (3)

Electives (15 credit hours)

Additional Curriculum Information

Students are required to take 18 credit hours of core coursework, of which three credit hours are a capstone course that is completed at the end of the program of study. The capstone course is integrative and case-based, allowing students to synthesize material from prior coursework. Successful completion of this course is required in place of a thesis or applied project.

Students complete 15 credit hours of related elective coursework. Students may petition for one three credit hour course not listed as an approved elective in their program of study as long as students can establish an intellectual and professional development objective that substantiates the course selection. The petition should be submitted prior to enrollment in an elective.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- curriculum vitae or resume
- statement of educational and career goals
- three reference letters
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

The statement of educational and career goals should be written in sufficient detail to indicate compatibility with the educational objectives and capabilities of the school.

Reference letters should be from a combination of academic and professional references. References from friends and family members are not accepted.

Students currently pursuing the nonprofit leadership and management certificate who are interested in applying for the master's program must apply to the degree program before the completion of nine credit hours in their certificate program.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-certification-master-nonprofit-leadership-and-management/>)

#### Career Opportunities:

This degree builds expertise in nonprofit leadership and management.

Career opportunities include:

- chief administrative officers
- chief executive officers
- chief financial officers
- foundation officers

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrd@asu.edu](mailto:scrd@asu.edu)  
602-496-0550

## Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)

**Online Degree Search Title:** Nonprofit Leadership and Management (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

#### Program Description:

The graduate certificate program in nonprofit leadership and management provides students with an understanding of the nonprofit sector's role in society and with knowledge applicable to those who wish to lead and manage nonprofit organizations

Students with diverse academic backgrounds are exposed to content needed by leaders in the nonprofit sector, including understanding of the historical and philosophical context for nonprofit organizations in society; the theory and practice of philanthropy; financial management practices; and other topical content areas.

The certificate is ideal when combined with graduate degrees in other areas and when used to provide a core concentration in nonprofit leadership and management.

#### Degree Requirements:

15 credit hours.

Required Core (9 credit hours)

NLM 510 The Nonprofit Sector (3)

NLM 520 Financial and Resource Management (3)

NLM 540 Strategic Human Resources Management (3) or NLM 545 Volunteer Resource Management (3)

Electives (6 credit hours)

Additional Curriculum Information

Students select either NLM 540 or NLM 545 as part of the required core coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

The program is available to students who are pursuing their graduate degree in a chosen field of study and who have expressed interest in pursuing careers in the nonprofit sector. In addition, the program is well suited for working professionals who may be pursuing a graduate degree but who wish to strengthen their skills and connections to the nonprofit community.

Applicants should see the Watts College of Public Service and Community Solutions website for more information.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/PPNONPROCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/PPNONPROCE/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Career Opportunities:**

This certificate program builds expertise in nonprofit leadership and management. Career opportunities include:

- administrative officers
- community services officers
- executive officers
- financial officers
- foundation officers

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 500

[scrd@asu.edu](mailto:scrd@asu.edu)

602-496-0550

**Participatory Governance (certificate), Certificate (PPPGOGRCT)**

**Online Degree Search Title:** Participatory Governance (Graduate Certificate)

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1345

**Campus:** Downtown Phoenix, Tempe

**Program Description:**

This transdisciplinary certificate program in participatory governance provides students with the knowledge and skills to develop, implement and evaluate participatory governance programs and public engagement activities.

The program combines academic rigor with practical skills. Students examine the main theories and research findings on participatory governance and public engagement and familiarize themselves with past and current democratic innovations in the U.S. and around the world. Students also develop the capacity to design, carry out and examine processes of participatory governance and public engagement.

Students may pursue the program as a specialization within an existing ASU graduate program or as a stand-alone program.

The certificate program is administered by the School of Public Affairs.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

PAF 531 Community Conflict Resolution (3)

PAF 565 Theories and Practices of Democracy (3)

PAF 566 Participatory Governance and Civic Engagement (3)

Electives (6 credit hours)

Additional Curriculum Information

Electives are chosen from a list of preapproved courses and are selected with the faculty advisor. The faculty advisor directs the selection of the electives to ensure that they focus on a common theme and to see that the student's experiences in the courses align with the learning goals outlined for the certificate.

Students are required to maintain a minimum GPA of 3.00 (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students from related fields such as political science, planning, urban and metropolitan studies, sociology, as well as other social science degrees might be interested in this program. However, all eligible students are considered.

Students should see the program website for application deadlines.

**Career Opportunities:**

Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas

of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations whose work interfaces with the public sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/gradcertificates>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Policy Advocacy, MA (PPPLADVMA)

**Online Degree Search Title:** Policy Advocacy, MA

**Campus:** Online

**Program Description:**

Expertise and knowledge are required to navigate increasingly complex legal, communication, political and policy landscapes, and to effectively create societal change. This has prompted various groups to use professionals to champion concerns and influence opinion, laws and policies ranging from local to international. This applied degree is oriented to those interested in acquiring the necessary skills to become effective agents of policy change, and it directly addresses elements of the ASU Charter by creating opportunities to increase the professionalism of individuals who can represent these concerns at all levels.

Ethical, skilled policy advocacy professionals are in demand to represent all sections of society including nonprofit, private and public sectors.

**Degree Requirements:**

Required Core (6 credit hours)

PAF 505 Public Policy Analysis (3)

SWG 687 Public Policy and Advocacy (3)

Policy Restricted Electives (12 credit hours)

Advocacy, Communication and Change Restricted Electives (9 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3)

Additional Curriculum Information

For restricted electives, students should see the academic unit for the current list of courses that may fulfill this requirement. Other courses may be substituted with approval from the program chair.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

- two letters of recommendation
- written statement
- professional resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/policy-advocacy-ma/>)

#### Contact Information:

Public Service and Community Solutions, Watts College of  
 Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/interdisciplinary/home>  
 UCENT 780  
 idpadvicing@asu.edu  
 602-496-1019

## Policy Informatics (Certificate), Certificate (PPPOIGRCT)

**Online Degree Search Title:** Policy Informatics (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

The policy informatics certificate program provides knowledge and skills to students seeking careers in which they can use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions as well as explore new governance infrastructures. Emphasis is placed on theories and research concerning decision-making, complexity theory and visualization of quantitative and qualitative information, collective intelligence, behavioral economics and persuasive technologies.

Policy informatics helps to advance evidence-driven policy design, wherein scientific models and analyses drive decision-making for resolution of complex policy challenges, dilemmas and problems. This is both an emerging field of research and a community of practice focusing on advancing decision-making in the public sector through information-centric analysis of evidence that leverages computational and technological advances. Professionals who use policy informatics are involved in designing, managing and evaluating information systems and infrastructures for policy construction, analysis and implementation.

Policy informatics advances the transdisciplinary nature of the public administration discipline by infusing it with the advances of information technology, management of information systems, and computational and informational science perspectives.

#### Degree Requirements:

15 credit hours.

Five courses are required for the certificate. Students should review the certificate requirements and required courses on the School of Public Affairs' website. Students are required to maintain a minimum GPA of 3.00 (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee



- official transcripts
- a statement of career and educational goals
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa to first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

All materials are submitted online through the graduate admission application.

Students should see the program website for application deadlines.

#### Career Opportunities:

Graduates are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/gradcertificates>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Program Evaluation (Certificate), Certificate (PPPGEVGRCT)

**Online Degree Search Title:** Program Evaluation (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

#### Program Description:

Professionals in the government, nonprofit and private sectors are increasingly required to demonstrate effectiveness of programs and activities. This graduate certificate in program evaluation provides students with a solid grounding in the applied and conceptual tools of conducting evaluation research and program evaluations as well as the skills to implement evaluations.

#### Degree Requirements:

15 credit hours.

##### Required Core (9 credit hours)

CPP 525 Foundations of Program Evaluation III: Advanced Regression Tools (3)  
CPP 526 Foundations of Data Science I: Introduction to Data Programming in R (3)  
SWG 623 Program Evaluation (3)

##### Restricted Electives (6 credit hours)

CPP 523 Foundations of Program Evaluation I: Multiple Regression (3)  
CPP 524 Foundations of Program Evaluation II: Research Design (3)

#### Additional Curriculum Information

Restricted elective courses may be substituted with department approval.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology and criminal justice, social work, public service, nonprofit management, parks and recreation management, tourism management, business, education, family studies, public health, education, psychology or a related social and applied sciences field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

There are no required admission examinations.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/program-evaluation-graduate-certificate/>)

**Career Opportunities:**

Program evaluation spans many fields and industries. These include educational institutions, nonprofit organizations, health care facilities, government programs and more. Once students deepen their program evaluation capacity, options for employment are diverse. Career titles with program evaluation as a central component of their role include:

- city government program manager
- compliance officer
- county health officer
- director of evaluation
- education curriculum or program specialist
- evaluation specialist in a public or nonprofit organization
- foundation officer
- government grant manager
- health care administrator
- higher education outcomes specialist
- monitoring and evaluation analyst
- nonprofit manager or executive director
- public health professional
- research analyst

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/program-evaluation-graduate-certificate>  
UCENT 780  
idpadvicing@asu.edu  
602-496-1019

## Program Evaluation and Data Analytics, MS (PPPGEMS)

**Online Degree Search Title:** Program Evaluation and Data Analytics, MS

**Campus:** Downtown Phoenix, Online

**Program Description:**

The MS in program evaluation and data analytics is a professional degree program that emphasizes skills needed to leverage data to improve organizational performance in the public, nonprofit and private sectors. It combines courses in program evaluation with data science classes that empower students to utilize a diverse array of tools to generate insights on social impact and leverage data in organizations.

Students receive training in data programming, visualization, dashboard design, open data, project management and impact analysis. Through this, students build the technical skills necessary to implement evidence-based approaches to policy and management.

Unlike other data scientist degrees, this program is built using public sector and nonprofit examples. Students do not need a background in computer programming before starting the degree. Through a project-based curriculum and individualized attention, students develop expertise in

performance and evaluation frameworks.

**Degree Requirements:**

33 credit hours including the required applied project course (CPP 593).

Required Core (21 credit hours)

CPP 523 Foundations of Program Evaluation I: Multiple Regression (3)

CPP 524 Foundations of Program Evaluation II: Research Design (3)

CPP 525 Foundations of Program Evaluation III: Advanced Regression Tools (3)

CPP 526 Foundations of Data Science I: Introduction to Data Programming in R (3)

CPP 527 Foundations of Data Science II: Data Wrangling (3)

CPP 528 Foundations of Data Science III: Project Management (3)

CPP 529 Community Analytics (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in criminology and criminal justice, social work, public service, nonprofit management, parks and recreation management, tourism management, business, education, family studies, public health, psychology, or a related social and applied sciences field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/program-evaluation-and-data-analytics-ms/>)

**Career Opportunities:**

Program evaluation spans many fields and industries. These include educational institutions, nonprofit organizations, health care facilities, government programs and more. Options for employment are diverse for graduates who have a deepened capacity for program evaluation. Career titles with program evaluation as a central component of their role include:

- chief data officer
- city government program manager
- compliance officer
- county health officer
- director of evaluation or evaluation specialist
- education curriculum or program specialist
- evaluation specialist in a public or nonprofit organization
- foundation officer
- government grant manager
- health care administrator
- higher education outcomes specialist
- monitoring and evaluation analyst
- nonprofit manager or executive director

- policy analyst
- public health professional
- research analyst

**Contact Information:**

Public Service and Community Solutions, Watts College of  
 Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/program-evaluation-ms>  
 UCENT 780  
 idpadvising@asu.edu  
 602-496-1019

**Public Administration, EMPA (PPPUAEMPA)**

**Online Degree Search Title:** Public Administration - Executive, EMPA

**Campus:** Online

**Program Description:**

The EMPA is designed for public sector leaders throughout the world who already have achieved considerable professional success prior to being admitted into the program.

The Executive Master of Public Administration is a 19-month, online graduate degree program which also features three-day face-to-face executive sessions in both Phoenix and Washington, D.C. Students participate in the program as part of a learning cohort, and the one-course-at-a-time online structure enables them to maintain a work and life balance as they immerse in each topic.

The learning experience begins with an orientation and executive session in Phoenix. Approximately one year later, the class reconvenes in Washington, D.C. for a second executive session. The executive master's degree program ends in Phoenix, where students present their applied projects.

The ASU Executive Master of Public Administration program enables students to expand the breadth and depth of their professional network. The online curriculum attracts a more geographically diverse pool of applicants from around the world. The executive sessions in Phoenix and Washington, D.C., further enable students to develop deeper relationships with their classmates.

Executive Master of Public Administration students are selected based on their ability to demonstrate the value they would add to the learning experience of the entire class, and a new cohort begins each year.

The program is a collaboration between the School of Public Affairs and the McCain Institute for International Leadership.

**Degree Requirements:**

30 credit hours including the required applied project course (PAF 593).

Required Core (27 credit hours)

PAF 504 Microeconomics of Public Policy I (3) or TGM 581 Negotiating in a Global Context (3)

PAF 508 Organization Behavior (3)

PAF 574 Diversity, Ethics, and Leading Public Change (3)

PAF 582 E-Public Administration (3)

PAF 585 Strategic Planning for Public Sector Leaders (3)

PAF 586 Data Analytics for the Public Good (3)

PAF 587 Federal Budgeting and Tax Policy (3)

PAF 588 Global Public Policy (3)

PAF 589 Leadership in Public Organizations (3)

Culminating Experience (3 credit hours)

PAF 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Exceptions to the GPA requirements may be considered based on the professional achievements demonstrated by the applicant as determined by applicant's resume and other application materials. In addition to the GPA requirement, applicants are expected to have five to seven years of progressive leadership experience.

The personal statement must be 300 words or fewer and should include what experiences and qualities the student will bring to the program. The student must also discuss their career objectives and how they plan to leverage the degree to help achieve those objectives. In addition, applicants also may provide any supplementary information that would strengthen the personal statement.

**Career Opportunities:**

Students in the Executive Master of Public Administration program are seeking to further advance or switch to careers in local, state, tribal and federal governments or nonprofit and private organizations that regularly interface with the public sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://ramseyexecutive.asu.edu/content/executive-mpa>

MERCC 105

[ramseyexecutive@asu.edu](mailto:ramseyexecutive@asu.edu)

602-496-1300

## Public Administration, MPA (PPPADTMPA)

**Online Degree Search Title:** Public Administration - Downtown Phoenix, MPA

**Campus:** Downtown Phoenix

**Program Description:**

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government.

Students may elect to specialize in one of the four approved Master of Public Administration concentrations: urban management, nonprofit administration, emergency management or public finance.

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and enables students to develop the skills and techniques used by city and urban leaders and managers.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory and the practice of management and leadership in the nonprofit sector.

The concentration in emergency management prepares graduates for a challenging career as a professional emergency manager. This program allows students to focus on concerns related to emergency management within the larger field of public administration.

The concentration in public finance provides knowledge and skills for students seeking or advancing careers in areas in which financial management plays an integral role in governance. This concentration emphasizes theories and research concerning urban economics and public finance, managing money in the public sector, public budgeting and finance, and capital budgeting and financing.

In addition, the school offers concurrent programs in planning, sustainability, criminology and criminal justice, and social work. For admission and program requirements, students should see <https://spa.asu.edu/content/concurrent-degrees> (<https://spa.asu.edu/content/concurrent-degrees>).

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- American Indian Studies (Tribal Leadership and Governance), MS
- Criminology and Criminal Justice, MS
- Social Work - Standard Program, MSW
- Sustainability Solutions, MSUS
- Urban and Environmental Planning, MUEP

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Construction Management and Technology, BS
- Political Science, BA
- Political Science, BS
- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509).

Required Core (24 credit hours)

- PAF 501 Public Service Research I (3)
- PAF 502 Public Service Research II (3)
- PAF 503 Public Affairs (3)
- PAF 504 Microeconomics of Public Policy I (3)
- PAF 505 Public Policy Analysis (3)
- PAF 506 Public Budgeting and Finance (3)
- PAF 507 Public Human Resource Management (3)
- PAF 508 Organization Behavior (3)

Electives or Research (15 credit hours)

Culminating Experience (3 credit hours)

- PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives. Approved elective credit hours may include courses offered by the school or other academic units in the university.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science degrees, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Additional requirements for international students are available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

At least two of the three letters of recommendation should be from faculty members or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Fees increase after the deadline.

Students should contact the School of Public Affairs at 602-496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) if they have questions about the application process.

#### Career Opportunities:

Graduate of this degree program are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpa>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Administration (Certificate), Certificate (PPUAGRCT)

**Online Degree Search Title:** Public Administration (Graduate Certificate)

**Campus:** Downtown Phoenix

#### Program Description:

Through comprehensive coverage of topics in public administration, management and policy, students in the graduate certificate program in public administration discover the challenges of management, learn how to lead a public organization and understand the process of policy development. The program is designed to give students a solid foundational understanding of administration, leadership and policy analysis in service to the public good.

#### Degree Requirements:

15 credit hours.

Required Core (6 credit hours)

PAF 503 Public Affairs (3)

PAF 505 Public Policy Analysis (3)

Electives (9 credit hours)

#### Additional Curriculum Information

Electives are chosen from a list of preapproved courses and are selected with the faculty advisor. The faculty advisor directs the selection of the

electives to ensure they focus on a common theme and to see that the student's experiences in the courses align with the learning goals outlined for the certificate. For the electives, the student must select any three 3-credit PAF courses at the 500-level. Students should note that PAF 504 is a prerequisite for PAF 505.

Students are required to maintain a minimum GPA of 3.00 (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students from related fields such as public policy, political science, planning, urban and metropolitan studies, sociology, as well as other social science degrees might be interested in this program. However, all eligible students are considered.

Students should see the program website for application deadlines and admission terms.

**Career Opportunities:**

Graduates are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/gradcertificates>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Public Administration (Emergency Management), MPA (PPPAFEMPA)

**Online Degree Search Title:** Public Administration (Emergency Management), MPA

**Campus:** Downtown Phoenix

**Program Description:**

The MPA program with a concentration in emergency management provides students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management.

An all-hazards and all-threats orientation provides the student with a generalist perspective, which is critically important for the disaster managers of today and tomorrow. In addition, this program examines community resilience from a systems perspective, embracing government, private, nonprofit and civic roles. The program provides an understanding of how community members respond to the need to prepare for, endure and recover from disasters and provides the ability to utilize multiple communication methods to help community members before, during and after these emergencies.



**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509).

## Required Core (24 credit hours)

- PAF 501 Public Service Research I (3)
- PAF 502 Public Service Research II (3)
- PAF 503 Public Affairs (3)
- PAF 504 Microeconomics of Public Policy I (3)
- PAF 505 Public Policy Analysis (3)
- PAF 506 Public Budgeting and Finance (3)
- PAF 507 Public Human Resource Management (3)
- PAF 508 Organization Behavior (3)

## Required Concentration (9 credit hours)

- PAF 520 Public Management (3)
- PAF 552 Integrated Emergency Management (3)
- PAF 555 Information Technology in Emergency Management (3)

## Electives or Research (6 credit hours)

## Culminating Experience (3 credit hours)

- PAF 509 Public Affairs Capstone (3)

## Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include political science, criminology, planning, business, urban and metropolitan studies, and other social science fields. Although most students for the graduate concentration would likely come from the aforementioned degree fields, the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of career and educational goals
- three letters of recommendation (two of which should be academic recommendations)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The following entry-level competencies are needed for admission the program: Students should have an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Students may also satisfy the American national government competency by taking the College-Level Examination Program in American Government and receiving a passing score.

GRE verbal, quantitative and analytical scores are used as one of the indicators to see how competitive an applicant is within the applicant pool.

Students should see the program website for application deadlines.

#### Career Opportunities:

Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpa>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)

**Online Degree Search Title:** Public Administration (Nonprofit Administration), MPA

**Campus:** Downtown Phoenix

#### Program Description:

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory and the practice of management and leadership in the nonprofit sector.

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### Degree Requirements:

42 credit hours including the required capstone course (PAF 509).

Required Core (21 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 503 Public Affairs (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)  
PAF 506 Public Budgeting and Finance (3)  
PAF 508 Organization Behavior (3)

Concentration (12 credit hours)  
NLM 510 The Nonprofit Sector (3)  
NLM 520 Financial and Resource Management (3)  
NLM 540 Strategic Human Resources Management (3)  
other approved course (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)  
PAF 509 Public Affairs Capstone (3)

#### Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives as well as the list of courses that may fulfill the concentration requirement. Approved elective credit hours may include courses offered by the school or other academic units in the university.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science disciplines, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Additional requirements for international students are available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after the deadline.

Applicants should contact the School of Public Affairs at 602/496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) if they have questions about the application process.

#### Career Opportunities:

Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as either a manager or policy analyst in local, state or federal agencies, nonprofit organizations, and private organizations whose work interfaces with public sector.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpa>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Public Administration (Public Finance), MPA (PPPAFPMPA)

**Online Degree Search Title:** Public Administration (Public Finance), MPA

**Campus:** Downtown Phoenix

### Program Description:

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government.

The concentration program in public finance provides knowledge and skills for students seeking careers or career advancement in areas in which financial management plays an integral role in governance. This concentration emphasizes theories and research concerning urban economics and public finance, managing money in the public sector, public budgeting, and finance and capital budgeting and financing.

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

42 credit hours including the required capstone course (PAF 509).

#### Required Core (24 credit hours)

- PAF 501 Public Service Research I (3)
- PAF 502 Public Service Research II (3)
- PAF 503 Public Affairs (3)
- PAF 504 Microeconomics of Public Policy I (3)
- PAF 505 Public Policy Analysis (3)
- PAF 506 Public Budgeting and Finance (3)
- PAF 507 Public Human Resource Management (3)
- PAF 508 Organization Behavior (3)

#### Concentration (9 credit hours)

- PAF 521 Managing Public Money (3)
- PAF 522 Advanced Governmental Financial Management: Capital Budgeting and Infrastructure Financing (3)
- PAF 570 Microeconomics of Public Policy II (3)

#### Electives or Research (6 credit hours)

#### Culminating Experience (3 credit hours)

- PAF 509 Public Affairs Capstone (3)

#### Additional Curriculum Information

To meet the electives or research requirement, students choose one course from NLM 520, PAF 590 and PAF 584 for three credit hours. Students also choose any PAF 500-level course for three credit hours.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science degrees, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- written statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Students enrolling in Master of Public Administration core courses must demonstrate minimum competency in statistics and American government. Courses taken to fulfill the competency do not count toward the total credit hours required for the degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

Competency in statistics is met with a grade of "B" (scale is 4.00 = "A") or higher in one of the approved courses (PAF 301 or PAF 401, POS 401, PSY 230, ECN 221, QBA 221, SWU 321, STP 226 or SOC 390) within the past two years or passing a diagnostic test approved by the MPA committee. Other courses taken within the last two years may be substituted upon approval of the Master of Public Administration director.

Competency in American government is a demonstrated understanding of American government institutions and processes. Students may be required to take an undergraduate class in American government (PAF 300, PAF 340, POS 110 or POS 310) with a grade of "B" or higher. The College-Level Examination Program can also be used to demonstrate competency in American government.

**Career Opportunities:**

Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpa>  
UCENT 400  
spa@asu.edu  
602-496-0450

**Public Administration (Urban Management), MPA (PPPAFUMPA)**

**Online Degree Search Title:** Public Administration (Urban Management), MPA

**Campus:** Downtown Phoenix

**Program Description:**

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government.

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and

enables students to develop the skills and techniques used by city and urban leaders and managers.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509).

Required Core (24 credit hours)

- PAF 501 Public Service Research I (3)
- PAF 502 Public Service Research II (3)
- PAF 503 Public Affairs (3)
- PAF 504 Microeconomics of Public Policy I (3)
- PAF 505 Public Policy Analysis (3)
- PAF 506 Public Budgeting and Finance (3)
- PAF 507 Public Human Resource Management (3)
- PAF 508 Organization Behavior (3)

Concentration (12 credit hours)

- PAF 523 The City and County Manager (3)
- PAF 525 Public Entrepreneurship (3)
- PAF 530 Management of Urban Government (3)
- PAF 534 Urban Services Infrastructure (3)

Elective (3 credit hours)

Culminating Experience (3 credit hours)

- PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Related fields include political science, planning, business, urban and metropolitan studies, as well as other social science disciplines, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation

- written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Additional requirements for international students are located at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Students should contact the School of Public Affairs at 602-496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) with any questions about the application process.

#### Career Opportunities:

Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/mpa>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Administration (Urbanism), PHD (PPPAURBPHD)

**Online Degree Search Title:** Public Administration and Policy (Urbanism), PhD

**Campus:** Downtown Phoenix

#### Program Description:

The PhD in public administration and policy is a theoretically grounded research degree program designed to prepare students for an academic career. The program is also appropriate for individuals who want to conduct high-level research and policy development in public and nonprofit agencies, foundations and research institutes. It is designed for students who seek full-time study.

The goal is to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to make a positive and important contribution to the field through teaching and research.

The doctoral program in public administration and policy with an urbanism concentration permits students to draw upon the extensive resources in urban affairs at ASU. As a result, these students are poised for success as productive and active scholars, researchers and teachers upon graduation.

The concentration in urbanism is a mechanism for organizing varied perspectives on urbanism into a collective body of scholarship. The study of public administration is enriched by grounding it in a comprehensive understanding of the characteristics of urban context and the dynamic forces that shape them. The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students are able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

#### Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

PAF 601 Advanced Public Policy Seminar (3)

PAF 602 Advanced Research Design for Public Policy and Management (3)

PAF 603 Advanced Economics for Public Administration and Public Policy (3)

PAF 604 Intellectual Foundations of Public Administration (3)  
PAF 605 Organization Theory and Behavior Seminar (3)  
PAF 609 Advanced Quantitative Methods Seminar (3)  
PAF 610 Advanced Qualitative Methods for Public Affairs Research (3)  
PAF 620 Public Administration Professional Development Workshop (3)

Concentration (3 credit hours)  
GCU 516 Principles of Urbanism (3)

Urbanism Electives (9 credit hours)

Research (6 credit hours)  
PAF 792 Research (6)

Culminating Experience (12 credit hours)  
PAF 799 Dissertation (12)

#### Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- completed checklist
- written statement
- current resume or curriculum vitae
- three letters of recommendation
- samples of research reports or papers
- scores on the GRE (verbal, quantitative, analytical)
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must submit TOEFL scores to be considered for admission regardless of current residency (the ASU institution code is 4007). This is true even for those who have a master's degree from a United States university. To be considered for admission to the doctoral program in public administration and policy, the applicant's minimum score on a traditional TOEFL test must be 600; the minimum score for a TOEFL iBT must be 100. Applicants with scores below the minimum are not considered. More on the English proficiency requirement is available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The written statement of educational and career goals must include a discussion of research interests.

The letters of recommendation should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, ability to communicate effectively both orally and in writing, and commitment to completion of the program.

Only GRE test scores from within the past five years are accepted, and analytical scores are considered in admission decisions.

All applicants are expected to have completed graduate level statistics and research methods classes before admission. Applicants also are expected to have sufficient formal coursework in public administration to pursue doctoral study in the field. Admitted students are required to take PAF 501, PAF 502, PAF 503, PAF 504, PAF 508 (or their equivalents) and statistics prior to beginning the doctoral core courses. Applicants who are not pursuing an MPA should not take these courses until they consult with the doctoral program director.

Applicants are admitted for fall only. Admission is competitive; a limited number of well qualified applicants are admitted each year. Students should see the program website for application deadlines.



**Career Opportunities:**

Students receiving this degree are prepared to pursue a research career in a field related to public administration or public policy. This may include opportunities as a college or university professor, research scientist, research associate or researcher for another organization.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/phd>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Public Administration and Policy, PHD (PPPUBADPHD)

**Online Degree Search Title:** Public Administration and Policy, PhD

**Campus:** Downtown Phoenix

**Program Description:**

The PhD in public administration and policy is a theoretically grounded research degree program designed to prepare students for a research-based career. This is a four-year, full-time degree program.

This program is designed to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to contribute to the field through research and teaching. As a result, graduates are poised for success as productive and active scholars, researchers and teachers.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

## Required Core (24 credit hours)

PAF 601 Advanced Public Policy Seminar (3)  
PAF 602 Advanced Research Design for Public Policy and Management (3)  
PAF 603 Advanced Economics for Public Administration and Public Policy (3)  
PAF 604 Intellectual Foundations of Public Administration (3)  
PAF 605 Organization Theory and Behavior Seminar (3)  
PAF 609 Advanced Quantitative Methods Seminar (3)  
PAF 610 Advanced Qualitative Methods for Public Affairs Research (3)  
PAF 620 Public Administration Professional Development Workshop (3)

## Electives (12 credit hours)

## Research (6 credit hours)

PAF 792 Research (6)

## Culminating Experience (12 credit hours)

PAF 799 Dissertation (12)

## Additional Curriculum Information

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree from a regionally accredited institution.

ASU's School of Public Affairs expects applicants for the doctorate to have demonstrated competency in the following subject areas at the time of application: organizational theory, public policy analysis, economics and quantitative analysis.

Applicants who have obtained a master's degree accredited by the Network of Schools of Public Policy, Affairs and Administration in public affairs, public administration or public policy are not required to complete prerequisites for admission to ASU's School of Public Affairs. In some cases, applicants from allied fields (i.e., political science, economics, sociology, business) are not required to complete prerequisites, depending upon the

extent to which previous training aligns with the competencies described above.

As is the case with all applicants, the doctoral program director or advisors may require or recommend completion of courses when there is a perceived deficit, especially if the deficit relates to graduate-level quantitative analysis and economics (PAF 502 and PAF 504, respectively, or equivalent courses). However, these requirements or recommendations, if any, are not a barrier to admission.

In cases where the doctoral student applicant has graduated from a public affairs, public administration or public policy program from another nation, or from a program not accredited by NASPAA, the applicant may be admitted and required to meet prerequisites after a review by the doctoral committee and doctoral program director.

Students applying with master's degrees from programs not closely related to public affairs (e.g., engineering, modern languages, chemistry) are required to meet prerequisites equivalent to the courses required for either ASU's Master of Public Administration or Master of Public Policy: <https://spa.asu.edu/content/graduate-programs> (<https://spa.asu.edu/content/graduate-programs>).

Prior to enrolling in any of the school's core classes, all students are expected to be familiar with the foundational competency readings related to organizational theory, public policy analysis, economics and quantitative analysis.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program and have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- completed checklist
- written statement
- current resume or curriculum vitae
- three letters of recommendation
- samples of research reports or papers
- GRE scores (verbal, quantitative, analytical)
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must submit TOEFL scores to be considered for admission regardless of current residency; applicants should use institution code: 4007. This is true even for those who have a master's degree from a United States university. To be considered for admission to the doctoral program in public administration and policy, the minimum score on a traditional TOEFL test is 600, the minimum score for a TOEFL iBT is 100. Applicants with scores below the minimum are not considered. More on the English proficiency requirement is available at <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>).

The written statement of educational and career goals must include a discussion of research interests.

The letters of recommendation should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, their ability to communicate effectively, both orally and in writing, and their commitment to completion of the program.

Only GRE test scores from within the past five years are accepted, and analytical scores are considered in admissions decisions.

Admission is competitive; a limited number of well-qualified applicants are admitted each year.

### **Career Opportunities:**

Graduates of this degree program are prepared to conduct high-level research and policy development in academic careers, public and nonprofit agencies, foundations and research institutes. This may include opportunities as a college or university professor, research scientist, research associate or researcher for another organization.

### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/phd>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Policy, MPP (PPPUBMPP)

**Online Degree Search Title:** Public Policy, MPP

**Campus:** Downtown Phoenix

### Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy and managing the process of policy creation, approval, implementation and evaluation. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety. At the conclusion of the master's degree program, students are able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students also are able to approach policy analysis with a variety of quantitative and qualitative methods and are prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

### Concurrent Degrees:

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Criminology and Criminal Justice, MS

Sustainability Solutions, MSUS

Urban and Environmental Planning, MUEP

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Political Science, BA

Political Science, BS

Public Service and Public Policy, BS

Public Service and Public Policy (Business), BS

Public Service and Public Policy (Criminology), BS

Public Service and Public Policy (Emergency Management and Homeland Security), BS

Public Service and Public Policy (Health Policy), BS

Public Service and Public Policy (Law and Policy), BS

Public Service and Public Policy (Nonprofit Leadership and Management), BS

Public Service and Public Policy (Parks and Recreation Management), BS

Public Service and Public Policy (Science and Technology Policy), BS

Public Service and Public Policy (Social Services Delivery), BS

Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

42 credit hours including the required capstone course (PAF 509).

Required Core (27 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

PAF 570 Microeconomics of Public Policy II (3)

PAF 573 Applied Econometrics (3)

PAF 574 Diversity, Ethics and Leading Public Change (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Policy Capstone (3)

Additional Curriculum Information

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Additional requirements for international students are available at <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

At least two of the three letters of recommendation must be from faculty or other academic staff who can evaluate applicant's academic performance.

The one- to two-page written statement should state the applicant's educational and career goals; and it also is used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after deadline.

Applicants should contact the School of Public Affairs at 602-496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) if there are questions about the application process.

**Career Opportunities:**

Graduates of this degree program are prepared for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. This may include opportunities as either a manager or policy analyst in local, state, or federal agencies; nonprofit organizations; and private organizations that interface with public sectors.

The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/programs/mpp/public-policy-mpp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

**Public Policy (Certificate), Certificate (PPPUPGRCT)**

**Online Degree Search Title:** Public Policy (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

This certificate program in public policy prepares students for professional careers as policy analysts and leaders in public service who are involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors.

The program is designed to give students analytical techniques and conceptual frameworks for understanding policy issues as well as for identifying potential solutions and applying these skills to real-world issues.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

Electives (6 credit hours)

Additional Curriculum Information

The electives are chosen from a list of preapproved courses and are selected with the faculty advisor. The faculty advisor directs the selection of the electives to ensure that they focus on a common theme and to see that the students' experiences in the courses align with the learning goals outlined for the certificate. For the electives, students select any two three-credit PAF courses that are 500-level. Students should note that PAF 504 is a prerequisite for PAF 505.

Students are required to maintain a minimum GPA of 3.00 (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Students from related fields (e.g., public administration, political science, planning, urban and metropolitan studies, sociology, and other social science fields) might be interested in this program. However, all eligible students are considered.

Students should see the program website for application deadlines and admission terms.

**Career Opportunities:**

Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://spa.asu.edu/gradcertificates>

UCENT 400

## Public Policy (Environmental Policy), MPP (PPUPEPMPP)

**Online Degree Search Title:** Public Policy (Environmental Policy), MPP

**Campus:** Downtown Phoenix

### Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students are able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students also are able to approach policy analysis with a variety of quantitative and qualitative methods and are prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The concentration in environmental policy prepares students at the master's degree level to apply sustainability principles and approaches to careers in a variety of fields that address environmental and, inevitably, human challenges. Students acquire the knowledge base and skills to bring sustainability solutions to corporate, government and nonprofit sectors. The concentration program begins by building a foundation in environmental policy and theory through the core coursework, followed by electives that develop and deepen student expertise in specific areas and issues. The program is uniquely positioned to allow students to build careers in public policy analysis and administration, international development and nonprofit organizations

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Degree Requirements:

42 credit hours including the required capstone course (PAF 509).

#### Required Core (27 credit hours)

- PAF 501 Public Service Research I (3)
- PAF 502 Public Service Research II (3)
- PAF 504 Microeconomics of Public Policy I (3)
- PAF 505 Public Policy Analysis (3)
- PAF 540 Advanced Policy Analysis (3)
- PAF 541 Program Evaluation (3)
- PAF 570 Microeconomics of Public Policy II (3)
- PAF 573 Applied Econometrics (3)
- PAF 574 Diversity, Ethics and Leading Public Change (3)

#### Concentration (6 credit hours)

- PAF/SOS 545 Creating Sustainable Organizations (3)
- PAF 546 Environmental Policy and Management (3)

#### Restricted Electives (6 credit hours)

#### Culminating Experience (3 credit hours)

- PAF 509 Public Affairs Capstone (3)

#### Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but these must be completed within one semester after starting the program.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Related fields include political science, sustainability, planning, business, urban and metropolitan studies and other social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007)
- three letters of recommendation
- written statement
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Additional requirements for international students are at <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Fees increase after the deadline.

#### Career Opportunities:

Graduates have an understanding of policies that address issues such as poverty, education, the environment and public safety, and they are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations whose work that interface with the public sector.

The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/programs/mpp/public-policy-mpp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Public Policy (Policy Informatics), MPP (PPPUPPIMPP)

**Online Degree Search Title:** Public Policy (Policy Informatics), MPP

**Campus:** Downtown Phoenix

**Program Description:**

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting.

The program trains people capable of leading by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students are able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students also are able to approach policy analysis with a variety of quantitative and qualitative methods and are prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The Master of Public Policy program with a concentration in policy informatics provides the knowledge and skills for students who seek careers that require them to use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions and explore new governance infrastructures. This concentration emphasizes theories and research concerning decision-making, complexity theory and visualization of quantitative and qualitative information, collective intelligence, behavioral economics and persuasive technologies.

The concentration combines mastery of advanced methods for processing information with domain expertise that can help humans understand complex social phenomena and achieve goals within public and governance applications. The program's design responds to the need for professionals with domain knowledge who can take a problem-driven, system-level, user-oriented perspective in developing and applying informatics systems to address societal and governance needs.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509).

## Required Core (27 credit hours)

- PAF 501 Public Service Research I (3)
- PAF 502 Public Service Research II (3)
- PAF 504 Microeconomics of Public Policy I (3)
- PAF 505 Public Policy Analysis (3)
- PAF 540 Advanced Policy Analysis (3)
- PAF 541 Program Evaluation (3)
- PAF 573 Applied Econometrics (3)
- PAF 574 Diversity, Ethics and Leading Public Change (3)

## Concentration (9 credit hours)

- PAF 591 Topic: Complexity in Public Policy and Management (3)
- PAF 591 Topic: e-Public Administration (3)
- PAF 591 Topic: Introduction to Policy Informatics (3)

## Restricted Electives (3 credit hours)

## Culminating Experience (3 credit hours)

- PAF 509 Public Affairs Capstone (3)

## Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.



Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but they must be completed within one semester after starting the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related field, from a regionally accredited institution. Related fields include political science, planning, business, urban and metropolitan studies as well as other social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Additional requirements for international students are at <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Application fees increase after deadline; students should see <https://admission.asu.edu/graduate/apply> (<https://admission.asu.edu/graduate/apply>).

Students should contact the School of Public Affairs at 602/496-0450 or email [spa@asu.edu](mailto:spa@asu.edu) (<mailto:spa@asu.edu>) with any questions about the application process.

**Career Opportunities:**

Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/programs/mpp/public-policy-mpp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

**Public Policy (Science and Technology Policy), MPP (PPPUPSTMPP)**

**Online Degree Search Title:** Public Policy (Science and Technology Policy), MPP

**Campus:** Downtown Phoenix, Tempe

**Program Description:**

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety. At the conclusion of the master's degree program, students are able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students also are able to approach policy analysis with a variety of quantitative and qualitative methods and are prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The Master of Public Policy program with a concentration in science and technology policy provides knowledge and skills for students seeking or advancing careers in areas where science and technology are guided by public policy or where science and technology play an integral role in the policy process. This concentration emphasizes theories and research concerning the role of science in decision-making, complexity theory, institutional design of knowledge production organizations, national innovation systems, innovation and industrial policy, technology transfer and research evaluation.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Degree Requirements:**

42 credit hours including the required capstone course (PAF 509).

##### Required Core (27 credit hours)

- PAF 501 Public Service Research I (3)
- PAF 502 Public Service Research II (3)
- PAF 504 Microeconomics of Public Policy I (3)
- PAF 505 Public Policy Analysis (3)
- PAF 540 Advanced Policy Analysis (3)
- PAF 541 Program Evaluation (3)
- PAF 570 Microeconomics of Public Policy II (3)
- PAF 573 Applied Econometrics (3)
- PAF 574 Diversity, Ethics and Leading Public Change (3)

##### Concentration (6 credit hours)

- HSD 501 Science and Technology Policy (3)
- PAF 591 Topic: Innovation Policy (3)

##### Restricted Electives (6 credit hours)

##### Culminating Experience (3 credit hours)

- PAF 509 Public Affairs Capstone (3)

##### Additional Curriculum Information

Students should see the academic unit for a complete list of approved electives.

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007)
- three letters of recommendation
- written statement
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Additional requirements for international students are at <https://admission.asu.edu/international/graduate-apply> (<https://admission.asu.edu/international/graduate-apply>).

Applicants may also submit a resume or other documents.

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages and describe the applicant's educational and career goals. The written statement is also used as a sample of the applicant's writing abilities.

**Career Opportunities:**

Students receiving this degree will be prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; non-profit organizations; and private organizations that interface with public sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/programs/mpp/public-policy-mpp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

**Public Policy (Urban Policy), MPP (PPPUPUPMPP)**

**Online Degree Search Title:** Public Policy (Urban Policy), MPP

**Campus:** Downtown Phoenix

**Program Description:**

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety. At the conclusion of the master's degree program, students are able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students also are able to approach policy analysis with a variety of quantitative and qualitative methods and are prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The Master of Public Policy program with a concentration in urban policy provides knowledge and skills for students seeking or advancing careers in areas in which urban dynamics and local governance play an integral role in the policy process. This concentration's program emphasizes theories and research concerning urban policy analysis and economics as well as urban management, urban city government, public budgeting and

finance in an urban context.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Public Service and Public Policy, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

42 credit hours including the required capstone course (PAF 509).

Required Core (27 credit hours)

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 504 Microeconomics of Public Policy I (3)

PAF 505 Public Policy Analysis (3)

PAF 540 Advanced Policy Analysis (3)

PAF 541 Program Evaluation (3)

PAF 570 Microeconomics of Public Policy II (3)

PAF 573 Applied Econometrics (3)

PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (6 credit hours)

PAF 506 Public Budgeting and Finance (3)

PAF 544 Urban Policy (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information

Students choose two courses from ESS 510, PAF 534, PAF 571, PUP 525 or an internship as approved by the academic unit for the electives or research credits. Internship must be 584 course number.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided they meet the minimum requirements for the degree program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages and describe the applicant's educational and career goals.

The following entry-level competencies are needed for admission to the program: an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Students may also satisfy the American national government competency by receiving a passing exam score in American Government through the College-Level Examination Program.

Students can complete deficiency classes prior to admission to the program or within their first semester after admission. Courses taken to satisfy entry-level competencies cannot be used toward the completion of the Master of Public Policy degree.

#### **Career Opportunities:**

Students receiving this degree are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with public sector. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/programs/mpp/public-policy-mpp>  
UCENT 400  
spa@asu.edu  
602-496-0450

## **Public Safety Leadership & Administration (Emergency Medical Services-Mobile Integrated Healthcare), MP SLA (PPPSEMPSL)**

**Online Degree Search Title:** Public Safety Leadership and Administration (EMS - Mobile Integrated Health Care), MP SLA

**Campus:** Online

#### **Program Description:**

The MP SLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to progress in their professions: a practical understanding of public safety organization administration.

The emergency medical services --- mobile integrated health care concentration provides the foundation for leadership and administration of EMS organizations. This program takes a multiprofessional approach to administration of EMS organizations and encompasses public policy and administration, organizational management and leadership, finance and data analysis. Students develop a platform of knowledge and skills on which to build a solid foundation for success within the field of EMS administration.

#### **Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (15 credit hours)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3) or PAF 506 Public Budgeting and Finance (3)

CPP 570 GIS for Hazards Analysis (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Concentration (9 credit hours)

CPP 540 Foundations of Emergency Medical Services (3)

CPP 550 Community Paramedicine: Mobile Integrated Health Care (3)

HCD 502 Health Care Systems and Design (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students choose two courses from a restricted list or any graduate-level CPP or PAF course, with program approval, for the electives or research credits.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited college or university.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement, at least one page in length, should describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-emergency/>)

**Career Opportunities:**

With the Master of Public Safety Leadership and Administration degree from ASU, students are in a position to lead and improve EMS teams in mobile integrated health care. Students develop knowledge and skills that set them apart for leadership positions in different types of EMS agencies, such as hospitals, public health departments and managed care organizations. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

Specific career opportunities include:

- ambulance dispatcher
- emergency medical technician
- firefighter
- medical assistant
- paramedic

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/public-safety-leadership-administration-psla>  
UCENT 780  
idpadvicing@asu.edu  
602-496-1019

**Public Safety Leadership and Administration, MPSLA (PPPSLAMPSL)**

**Online Degree Search Title:** Master of Public Safety Leadership and Administration, MPSLA

**Campus:** Online

**Program Description:**

The MPSLA is a graduate degree program designed around the needs of public safety professionals.

This graduate program, through accomplished faculty and intricately connected curriculum, endeavors to advance student leadership, and policy and administrative acumen.

Graduates have a practical understanding of public safety organization administration.

**Degree Requirements:**

33 credit hours including the required applied project (PAF 593 or CPP 593).

Required Core (15 credit hours)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3) or PAF 506 Public Budgeting and Finance (3)

CPP 570 GIS for Hazards Analysis (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students should see the academic unit for approved elective course list.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, environmental sciences or geography, public health, or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- written statement
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency

A written statement, at least one page in length, which describes the applicant's educational and career goals and long-term professional development strategy is required.

There are no required admission examinations.

Current employment in an organization in this field or at least two years of prior professional experience in this or a related field or a bachelor's degree in a related area are required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-public-safety-leadership-and-administration/>)

**Career Opportunities:**

An advanced degree is increasingly important for career progression within public safety administration. This advanced degree in public safety administration can help students pursue management, leadership and administrative career paths in all levels of government and public safety agencies and organizations, such as the police force, hospitals and rescue services, the fire department and more, as well as in private sector

organizations.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/public-safety-leadership-administration-psla>  
UCENT 780  
idpadvising@asu.edu  
602-496-1019

## Public Safety Leadership and Administration (Executive Fire Administration), MPSLA (PPPSEFMPSL)

**Online Degree Search Title:** Public Safety Leadership and Administration (Executive Fire Administration), MPSLA

**Campus:** Online

**Program Description:**

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions --- a practical understanding of public safety organization administration.

This graduate program, through its accomplished faculty and intricately connected curriculum, endeavors to advance student leadership, policy and administrative acumen.

The executive fire administration concentration program prepares graduates to handle the challenges facing chief officers. With coursework in strategic planning, public policy and administration, leadership and organizational management, data analysis, finance and technology, students develop a platform of knowledge and skills to build a solid foundation for success within the field of executive fire administration.

**Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (15 credit hours)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3) or PAF 506 Public Budgeting and Finance (3)

CPP 570 GIS for Hazards Analysis (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Concentration (9 credit hours)

CPP 530 Leadership for Innovation in Public Fire Services (3)

CPP 560 Emergency Services Operations Analysis and Planning (3)

PAF 560 Community Resilience (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students choose two courses from a restricted list or any graduate-level CPP or PAF course, with program approval, for the electives or research credits.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.



Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement, at least one page in length, should describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-executive-fire/>)

#### **Career Opportunities:**

Graduates with a concentration in fire administration are well equipped to drive innovation from the upper levels of fire service in federal, state and local fire departments and emergency management agencies. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

Career examples include:

- fire inspector
- fire investigator
- fire prevention and protection engineer
- firefighter supervisor
- municipal firefighter

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/public-safety-leadership-administration-psla>  
UCENT 780  
idpadvising@asu.edu  
602-496-1019

## **Public Safety Leadership and Administration (Executive Police Administration), MPSLA (PPPSEPMPSL)**

**Online Degree Search Title:** Public Safety Leadership and Administration (Executive Police Administration), MPSLA

**Campus:** Online

#### **Program Description:**

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions: a practical understanding of public safety organization administration.

This graduate program, through its accomplished faculty and intricately connected curriculum, endeavors to advance students' leadership, policy and administrative acumen.

The executive police administration concentration provides law enforcement professionals with the highly specialized knowledge and practical skills required to rise to leadership positions in a 21st century law enforcement organization. This program enhances the leadership, management and administrative skills, knowledge and ability of present and future senior and mid-level managers and addresses the critical areas in the management of a contemporary law enforcement agency.

**Degree Requirements:**

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (15 credit hours)

CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)

CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3) or PAF 506 Public Budgeting and Finance (3)

CPP 570 GIS for Hazards Analysis (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Concentration (12 credit hours)

CRJ 501 Seminar in Criminal Justice (3)

CRJ 510 Criminal Justice Planning and Program Evaluation (3)

CRJ 516 Seminar in Criminal Justice Organization and Management (3)

CRJ 518 Seminar on Race/Ethnicity, Crime and Justice (3)

Electives or Research (3 credit hours)

Culminating Experience (3 credit hours)

CPP 593 Applied Project (3) or

PAF 593 Applied Project (3)

Additional Curriculum Information

Students choose one course from a restricted list or any graduate-level CPP, CRJ or PAF course, with program approval, for the electives or research credit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The written statement, at least one page in length, should describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-executive-police/>)

**Career Opportunities:**

A concentration in executive police administration equips students to perform managerial duties in federal, state, local, territorial and tribal law enforcement agencies. Students also are prepared for probation and parole, child support services, homeland security and allied security professions. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

Career examples include:

- chief of police
- first-line police supervisor
- police dispatcher
- police detective
- special agent

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://publicservice.asu.edu/content/public-safety-leadership-administration-psla>  
UCENT 780  
idpadvising@asu.edu  
602-496-1019

## Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)

**Online Degree Search Title:** Social Entrepreneurship and Community Development (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The social entrepreneurship and community development graduate certificate program provides a framework for harnessing entrepreneurial and enterprise opportunities and creating transformative responses to challenges prevalent in communities and society. The program combines social entrepreneurship with community and social innovation, providing a basis for exploring capacity building and fostering positive change for organizations, communities and societies.

The certificate is designed for students studying nonprofit leadership and management, social entrepreneurship, public policy, innovation and related fields across disciplines.

**Degree Requirements:**

15 credit hours..

Required Core (6 credit hours)

NLM 562 Social Entrepreneurship (3)

NLM 572 Community and Social Innovations (3)

Electives (9 credit hours)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-social-entrepreneurship-community-development/>)

**Career Opportunities:**

Social entrepreneurship is at the leading edge of public, private and nonprofit innovation. Career options include executive officers, administrative officers, financial officers and foundation officers.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
SCRD@asu.edu  
602-496-0550

## Social Work, MSW (PPSWDMSW)

**Online Degree Search Title:** Social Work - Standard Program, MSW

**Campus:** Downtown Phoenix, ASU@Tucson, Online

**Program Description:**

The professional program leading to the MSW degree prepares social workers for advanced professional social work practice. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations, particularly in the American Southwest.

The first year of the standard program focuses on curriculum and skills that build a foundational knowledge in social work. The second year of the program allows students to focus their coursework in a specific area to build specialized practice knowledge.

The Master of Social Work program is accredited by the Council on Social Work Education.

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Juris Doctor, JD

Public Administration - Downtown Phoenix, MPA

**Degree Requirements:**

51 credit hours and a portfolio, or 51 credit hours and a thesis, or 51 credit hours and an applied project (SWG 593 or SWG 693), or 51 credit hours including the required capstone course (SWG 621) , or 54 credit hours and a portfolio, or 54 credit hours and a thesis, or 54 credit hours and an applied project (SWG 593 or SWG 693), or 54 credit hours including the required capstone course (SWG 621), or 57 credit hours and a portfolio, or 57 credit hours and a thesis, or 57 credit hours and an applied project (SWG 593 or SWG 693), or 57 credit hours including the required capstone course (SWG 621), or 60 credit hours and a portfolio (MSW/MPA concurrent degree), or 60 credit hours and a thesis (MSW/MPA concurrent degree), or 60 credit hours and an applied project (SWG 593 or SWG 693) - Advanced Generalist Track, or 60 credit hours including the required capstone course (SWG 621) (MSW/MPA concurrent degree).

STANDARD PROGRAM (ground immersion):

Required Core (3 credit hours)

SWG 510 Foundation Practice I (3)

Foundation Coursework (18 to 27 credit hours)

SWG 501 Micro Human Behavior in the Social Environment (3)

SWG 502 Macro Human Behavior in the Social Environment (3)

SWG 511 Foundation Practice II (3)

SWG 519 Research Methods in Social Work (3)

SWG 531 Social Policy and Services (3)

SWG 533 Diversity and Oppression in a Social Work Context (3)

SWG 541 Field Practicum I (3)

SWG 542 Field Practicum II (3)

SWG 585 Macro Social Work Practice (3)

Restricted Electives (21 to 27 credit hours)

Other Requirements (3 credit hours)

SWG 610 Advanced Social Work Practice III (3) or

SWG 619 Practice-Oriented Research (3) or

SWG 623 Program Evaluation (3)

Culminating Experience Options (0 to 6 credit hours)

portfolio (0) or

SWG 599 Thesis (6) or

SWG 593 Applied Project (3) or

SWG 621 Integrative Seminar (3) or

SWG 693 Applied Project (3)

ADVANCED GENERALIST TRACK (digital immersion):

Required Core (3 credit hours)

SWG 510 Foundation Practice I (3)

Advanced Generalist Track Coursework (54 credit hours)

Culminating Experience Options (3 credit hours)

SWG 593 Applied Project (3) or

SWG 693 Applied Project (3)

Additional Curriculum Information

Students on the 51, 54 and 57 credit hour paths have an undergraduate Council on Social Work Education-accredited BSW in social work degree or BA degree in community advocacy and social policy. Path selection depends on the student's educational background. Students are to consult an academic advisor in the unit.

The 60-hour Advanced Generalist track is the digital immersion option. These students have a bachelor's or master's degree from a regionally accredited institution. Students in the 60-hour path must take foundation year coursework in restricted electives per CSWE accreditation standards.

All credit hour path criteria must be approved by the academic unit prior to selection in the iPOS. A student interested in moving to a concentration should notify the academic advisor prior to submitting their iPOS. The academic unit advises and monitors students to ensure they choose the appropriate coursework.

The number of credit hours required for restricted electives depends on the credit hour path chosen and the culminating experience. Students should see the academic unit for a complete list of approved electives.

The foundation year includes basic courses in direct practice, organizational and community change, social policy, human behavior and research. Foundation coursework is selected in consultation with the academic advisor. Students are required to complete two practicums: a foundation field placement (480 hours) and a specialization field placement (480 hours) in a different setting.

Other requirement coursework may be substituted with approval of the academic unit.

The program may be completed within four semesters (full time) or six semesters (part time).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a closely related field from a regionally accredited institution.

The School of Social Work requires one of the following:

- undergraduate degree with 30 credit hours in liberal arts courses at the undergraduate or graduate level
- Bachelor of Social Work from a Council on Social Work Education-accredited school of social work
- liberal arts undergraduate degree

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- signed standards of ethical and professional behavior form
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor (if applicant completed a BSW degree) or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

Professional resume should include both work and volunteer experience in social service organizations. In order to be considered for possible admission, applicants who do not have work experience in social service organizations are required to have a minimum of 240 hours of volunteer experience in the social services over a six-month period in the five years immediately preceding application.

Guidelines for writing the statement of educational and career goals can be found at <https://socialwork.asu.edu/content/msw-application-proceduresmaterials> (<https://socialwork.asu.edu/content/msw-application-proceduresmaterials>).

Test scores from either the GRE or the Miller Analogies Test are required only if the applicant's junior and senior GPA was below a 3.20 (scale is 4.00 = "A").

Students should see the program website for application deadlines.

Three-year Program

Students interested in this option must specifically apply to the three-year program and complete it in accordance with the plan developed to finish the degree in three years.

Transfer Credit

Any transfer work is reviewed and approved in accordance with Graduate College policy. Transfer work must have been completed within three years of the semester and year of admission to the Master of Social Work degree program at ASU with a grade of "B" (3.00 on a 4.00 scale) or better.

Exemptions

Courses must have been completed within three years of the admit term of the Master of Social Work degree. Grades received must be an A- or better. A letter of good standing is required from the institution where students have taken the coursework. Course equivalencies from outside of ASU are reviewed by the MSW Program Coordinator. Courses identified as required core and culminating experiences in the breakdown of requirements cannot be substituted.

Concurrent degrees are currently unavailable for the online Master of Social Work degree program.

Students should contact [publicservice.gradrecruitment@asu.edu](mailto:publicservice.gradrecruitment@asu.edu) with any questions about the application process.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-social-work-social-work/>)

**Career Opportunities:**

There are many paths within social work that graduates can pursue. Career examples include:

- adult and juvenile correction social worker
- behavioral health hospital social worker
- community advocate
- community organizer
- gerontology services patient coordinator
- grant and fund developer

- group therapy clinician
- homeless services outreach coordinator or shelter director
- individual counselor
- nonprofit leader and manager
- policy analyst
- program director
- school social worker
- social services administrator
- wellness programmer

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work

<https://socialwork.asu.edu/content/academic-advising>

UCENT 800

[mswadvising@asu.edu](mailto:mwadvising@asu.edu)

602-496-0800

## Social Work, PHD (PPSW2PHD)

**Online Degree Search Title:** Social Work, PhD

**Campus:** Downtown Phoenix

**Program Description:**

The purpose of the PhD program in social work is to train future social work scholars, social work professionals engaged in research, teaching and service.

Supplementary to the coursework, this doctoral program offers students opportunities to be actively involved in both research and teaching. Students benefit from the close mentorship of the committed faculty and regular partnerships with many internal research centers and offices. Students also receive valuable opportunities to develop a teaching portfolio, positioning them to succeed in academic careers.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Social Work Courses (12 credit hours)

Research Methods and Statistics (12 credit hours)

Directed Electives (9 credit hours)

Theory (3 credit hours)

Research (12 credit hours)

SWG 792 Research (12)

Culminating Experience (12 credit hours)

SWG 799 Dissertation (12)

**Additional Curriculum Information**

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. The doctoral program requires students to take a minimum of 36 course credit hours beyond the MSW in addition to the required 24 credit hours of research and dissertation; 84 credit hours are required beyond the bachelor's degree. Students may need to take additional coursework to achieve the competency requirements set by the program or set by their graduate supervisory committees.

Students develop their plan of study in consultation with the graduate supervisory committee. Required social work courses must be 700 level and approved by the doctoral program committee. Students should see the academic unit for approved course lists and other requirements for research methods and statistics courses, electives and theory coursework.

Once the 36 minimum course credit hours are completed, students are required to register for 12 hours of SWG 792 Research before the defense of the prospectus and 12 hours of SWG 799 Dissertation after the prospectus defense. Students must be registered for at least one credit hour during the semester, including summer, when they do their dissertation proposal defense. At least one of the dissertation hours must be taken in the semester the student expects to defend his or her dissertation.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in social work or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- curriculum vitae or resume
- GRE scores
- personal statement
- three letters of reference
- required writing sample: social problem essay
- optional writing sample
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Admission to the doctoral program in the School of Social Work is based on the following criteria:

- an MSW from an accredited school of social work, preferably with two or more years of post-degree employment in human services
- experience in social work teaching or research and other scholarly activities
- experience with diverse populations
- goodness-of-fit with program goals
- good professional standing
- undergraduate and graduate GPA
- quality and extensiveness of social work experience
- research potential and creativity as demonstrated in requested essays and references
- scores of the GRE, with emphasis on verbal and analytic scores

Though a Master of Social Work degree is preferred, exceptions may be made for students with a BSW from an accredited school of social work and a master's degree in a related field and for students from countries without accreditation.

Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/application-and-admission> (<https://socialwork.asu.edu/content/application-and-admission>) under PhD Application and Admission Information.

Applicants have the option of submitting a sample of their written work. Examples include a referred journal article, a class paper and a professional report such as one might write in an agency setting. The writing sample should illustrate the applicant's ability to succeed in the doctoral program.

Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/application-and-admission> (<https://socialwork.asu.edu/content/application-and-admission>).

All required admission materials are submitted directly to Graduate Admission Services at <https://admission.asu.edu/graduate> (<https://admission.asu.edu/graduate>). Students should contact the School of Social Work at 602-496-0800 with any questions about the application process.

Students should see the program website for application deadlines.

**Career Opportunities:**

Graduates are prepared to enter careers in applied research that enhance human well-being, particularly among oppressed and vulnerable populations, and to educate the next generation of social workers.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800



## Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)

**Online Degree Search Title:** Social Work - Advanced Standing - Direct Practice, MSW

**Campus:** Downtown Phoenix, ASU@Tucson

### Program Description:

The advanced standing --- direct practice concentration of the MSW consists of three specializations that prepare students for professional practice with diverse populations in a wide variety of settings. Across all specializations, the curriculum is guided by the social work values that emphasize evidence-based practice, client strengths, social justice and client empowerment. The primary curriculum goal of the Master of Social Work program is to educate advanced social work practitioners who demonstrate the knowledge, skills, values and ethics of the profession and who are competent for specialized practice.

This program is accredited by the Council on Social Work Education.

### Degree Requirements:

39 credit hours including the required capstone course (SWG 621), or 51 credit hours including the required capstone course (SWG 621), or 60 credit hours including the required capstone course (SWG 621), or 60 credit hours including the required capstone course (SWG 621) (MSW/MPA concurrent degree) .

Required Core (3 credit hours)

SWG 510 Foundation Practice I (3) or

SWG 514 Bridge Seminar I (3)

Advanced Direct Practice Concentration (12 credit hours)

SWG 606 Assessment of Mental Disorders (3)

SWG 619 Practice-Oriented Research (3)

SWG 641 Advanced Practicum: Direct Practice I (3)

SWG 642 Advanced Practicum: Direct Practice II (3)

Specialization (6 credit hours)

Restricted Electives (15 to 36 credit hours)

Culminating Experience (3 credit hours)

SWG 621 Integrative Seminar (3)

Additional Curriculum Information

Students on the 39 credit hour path have an undergraduate Council on Social Work Education accredited BSW in Social Work with a 3.20 Jr/Sr GPA within the last 6 years.

Students on the 51 credit hour path have an undergraduate CSWE accredited BSW in Social Work degree.

The students on the 60 credit hour path have an undergraduate degree that is not directly in social work or community advocacy. Students in this path may need to take foundation coursework as part of their elective coursework to satisfy CSWE requirements. Students should see the academic advisor when selecting courses.

All credit hour path criteria must be approved by the academic unit prior to selection in the iPOS. The academic unit will advise and monitor students to ensure they choose the appropriate coursework. Core course selection will depend on the student's background.

Students select from specializations in:

- children, youth and families
- health, behavioral health
- public child welfare

The amount of restricted elective coursework depends on the credit hour path selected based on the student's background. Students should see the academic unit for a complete list of approved specialization and elective coursework.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program with a minimum GPA of 3.20 (scale is 4.00 = "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the MSW program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor, or if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/msw-application-proceduresmaterials> (<https://socialwork.asu.edu/content/msw-application-proceduresmaterials>).

Applicants should see the program website for application deadlines.

For questions about the applications process, students should contact the School of Social Work.

#### **Career Opportunities:**

The advanced standing --- direct practice concentration program prepares students to work with individuals, families and small groups. Students learn how to diagnosis and assess mental health conditions, create treatment plans and provide appropriate interventions in a variety of clinical and community settings.

Career examples include:

- adult and juvenile corrections --- mental health service professional
- behavioral health hospitals --- counselor
- homeless services --- outreach coordinator or shelter director
- hospital or school social worker
- individual counselor
- gerontology services --- counselor
- group therapy clinicians
- wellness programming

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work

<https://socialwork.asu.edu/content/academic-advising>

UCENT 800

[mswadvising@asu.edu](mailto:mwadvising@asu.edu)

602-496-0800

## **Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)**

**Online Degree Search Title:** Social Work - Advanced Standing - (Policy, Administration and Community Practice), MSW

**Campus:** Downtown Phoenix, ASU@Tucson

This program's name has changed, effective Fall 2021. The previous name was Social Work - Advanced Standing - (Planning, Administration and Community Practice).

#### **Program Description:**

The policy, administration and community practice concentration in the MSW program prepares professional social workers for leadership in social change. Graduates work for social justice and human rights through building sustainable systems that support peoples' social well-being, often by addressing the root causes of social problems and by reforming unjust policies. Policy, administration and community practice roles include

program planning and evaluation; policy development and analysis; political advocacy and lobbying; organizational leadership, management and supervision; community development, organizing and social movement building.

Students learn skills to intervene across the macro level of society: in systems, institutions, agencies, organizations, laws, policies, programs and communities. Students complete a practicum in government, nonprofit, social service, advocacy and research agencies.

The Master of Social Work with a concentration in policy, administration and community practice is accredited by the Council on Social Work Education and certified by the Network for Social Work Management.

**Degree Requirements:**

39 credit hours and a portfolio, or 39 credit hours and a thesis, or 51 credit hours and a portfolio, or 51 credit hours and a thesis, or 60 credit hours and a portfolio, or 60 credit hours and a portfolio (MSW/MPA concurrent degree), or 60 credit hours and a thesis, or 60 credit hours and a thesis (MSW/MPA concurrent degree).

Required Core (3 credit hours)

SWG 510 Foundation Practice I (3) or

SWG 514 Bridge Seminar I (3)

Policy, Administration and Community Practice Concentration (21 credit hours)

SWG 623 Program Evaluation (3)

SWG 632 Policy Practice (3)

SWG 643 Advanced Practicum: Planning, Social Work Administration and Community Practice I (3)

SWG 644 Advanced Practicum: Planning, Social Work Administration and Community Practice II (3)

SWG 681 Social Work Administration (3)

SWG 682 Community Participation Strategies (3)

SWG 685 Program Planning in Social Services (3)

Electives (9 to 36 credit hours)

Culminating Experience (0 or 6 credit hours)

SWG 599 Thesis (6) or

portfolio (0)

Additional Curriculum Information

Students on the 39 credit hour path have an undergraduate Council on Social Work Education accredited BSW in Social Work or equivalent degree with a Jr/Sr GPA of 3.20 within the last 6 years.

Students on the 51 credit hour path have an undergraduate CSWE accredited BSW in Social Work degree.

The 60 credit hour path students have an undergraduate degree that is not directly in social work or community advocacy. Students in this path may need to take foundation coursework as part of their elective coursework to satisfy CSWE requirements. Students should see the academic advisor when selecting courses.

All credit hour path criteria must be approved by the academic unit prior to selection in the iPOS. The academic unit advises and monitors students to ensure they choose the appropriate coursework. Core course selection depends on the student's background.

Students complete a practicum and choose one of the culminating experiences above. The amount of elective coursework allowed depends on the credit hour path chosen and the culminating experience selected. Electives may be selected from offerings at the School of Social Work or from courses offered through other departments with the approval of the MSW program coordinator.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program, with a minimum GPA of 3.20 (scale is 4.00 = "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the Master of Social Work program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference

- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, from the applicant's supervisor.

Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/msw-application-proceduresmaterials> (<https://socialwork.asu.edu/content/msw-application-proceduresmaterials>).

Applicants should see the program website for application deadlines.

Students should contact the School of Social Work with any questions about the application process.

#### Career Opportunities:

The policy, administration and community practice concentration program prepares students for leadership and effective practice in macro social work positions. The curriculum is designed to provide students with knowledge, skill and practice opportunities in the areas of program planning and evaluation, administration, policy analysis and advocacy, and community practice.

Career examples include:

- community advocate
- community organizer
- grant and fund developers
- nonprofit leadership and management
- policy analyst
- social services administration

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Social Work

<https://socialwork.asu.edu/content/academic-advising>

UCENT 800

[mswadvising@asu.edu](mailto:mswadvising@asu.edu)

602-496-0800

## Social Work - Advanced Standing - Advanced Generalist, MSW (PPASWMSW)

**Online Degree Search Title:** Social Work - Advanced Standing - Advanced Generalist, MSW

**Campus:** West, ASU@Yuma

#### Program Description:

The professional program leading to the MSW degree prepares social workers with the knowledge, skills and values needed to practice as advanced generalists and is designed to prepare them to respond effectively to the needs of special populations in the Southwest.

The program is accredited by the Council on Social Work Education.

#### Degree Requirements:

39 credit hours including the required applied project course (SWG 693).

Required Core (3 credit hours)

SWG 510 Foundation Practice I (3), or

SWG 514 Bridge Seminar I (3)

Advanced Generalist Coursework (30 credit hours)

SWG 515 Bridge Seminar II (3)

SWG 516 Social Work Skills Seminar (3)

SWG 606 Assessment of Mental Disorders (3)

SWG 610 Advanced Social Work Practice III (3)  
SWG 614 Advanced Generalist Social Work Practice IV (3)  
SWG 623 Program Evaluation (3)  
SWG 632 Policy Practice (3)  
SWG 640 Professional Seminar II: Applying Theory to Advanced Generalist Social Work Practice (3)  
SWG 645 The Professional Experience III (3)  
SWG 646 The Professional Experience IV (3)

Restricted Electives (3 credit hours)

Culminating Experience (3 credit hours)  
SWG 693 Applied Project (3)

#### Additional Curriculum Information

Students in this program hold an undergraduate Council on Social Work Education-accredited BSW in Social Work or equivalent degree.

The academic unit advises and monitors students to ensure they choose the appropriate coursework. Core course selection depends on the student's background.

Students complete a practicum and an applied project.

Advanced generalist and other requirement coursework may be substituted with approval of the academic unit.

The number of credit hours required for restricted electives depends on the credit hour path chosen. Students should see the academic unit for a complete list of approved electives.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program with a minimum GPA of 3.20 (scale is 4.00 = "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the MSW program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

Guidelines for writing the statement can be found at <https://socialwork.asu.edu/content/msw-application-proceduresmaterials> (<https://socialwork.asu.edu/content/msw-application-proceduresmaterials>).

Applicants should see the program website for application deadlines, and they should contact the School of Social Work with any questions about the application process.

#### Career Opportunities:

The advanced generalist concentration program prepares students to be practitioners who deliver culturally competent, ethical interventions that range from complex case management and practice with individuals (micro), families and groups (mezzo) to affecting social change by developing skills in organization, administration, policy development and community practice (macro).

Career examples include:

- community outreach coordinator
- hospital or school social worker
- mental health advocate
- program specialist
- social services manager or director

**Contact Information:**

Public Service and Community Solutions, Watts College of  
 School of Social Work  
<https://socialwork.asu.edu>  
 UCENT 800  
 mswadvising@asu.edu  
 602-496-0800

**Sustainable Tourism, MST (PPSUSTMST)**

**Online Degree Search Title:** Sustainable Tourism, MST

**Campus:** Online

**Program Description:**

Students in the MST program receive a comprehensive education with a focus on the environmental, economic and social aspects of tourism, equipping them with the skills necessary for creating pioneering sustainable development solutions to the challenges facing tourism today.

This holistic curriculum focuses on integrating all three pillars of sustainability into existing tourism theories and concepts. Students learn numerous strategies and tools for identifying and building innovative tourism products and experiences and minimizing adverse impacts of tourism so that resources and opportunities remain viable and sustainable for their host communities.

**Degree Requirements:**

31 credit hours including the required applied project course (TDM 593).

Required Core (24 credit hours)

- CRD 569 Advanced Tourism and Recreation Studies (3)
- TDM 520 Sustainable Thinking in Tourism I (3)
- TDM 521 Sustainable Thinking in Tourism II (3)
- TDM 530 Sustainable Tourism Destination Planning and Management I (3)
- TDM 531 Sustainable Tourism Destination Planning and Management II (3)
- TDM 540 Sustainable Food Management in Tourism (3)
- TDM 550 Managing the Sustainable Tourism Business (3)
- TDM 570 Sustainable Tourism (3)

Electives or Research (3 credit hours)

Culminating Experience (4 credit hours)

- TDM 593 Applied Project (4)

Additional Curriculum Information

One elective or research course is selected from an approved list for three credit hours. Students should contact the academic unit for a list of possible courses. Other courses may be used with approval from the academic unit.

Students complete an applied project that may consist of a sustainable tourism development plan for a community, a thorough sustainability audit of a tourism business, or other project as approved by the faculty advisor.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as tourism, recreation, hospitality, business, geography or planning from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement..

Letters of recommendation should be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics. The names, email addresses, titles and organizations from whom the student is requesting recommendations is also required.

A written professional statement describing the applicant's purpose in pursuing the master's degree is to be submitted online. In addition, a current resume is required outlining previous professional activities.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-sustainable-tourism/>)

**Career Opportunities:**

This program prepares future sustainable tourism professionals to meet the increasing demand for people trained in of sustainability practices and the application of those practices in tourism. The sustainable tourism degree is useful to industry professionals who are interested in advancing their profiles and also to those who are interested in changing their careers.

Career examples include:

- destination planners and managers
- recreation managers
- sustainable food managers
- tourism planners

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrd@asu.edu](mailto:scrd@asu.edu)  
602-496-0550

## Sustainable Tourism (certificate), Certificate (PPSTGRCT)

**Online Degree Search Title:** Sustainable Tourism (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate in sustainable tourism, offered by the School of Community Resources and Development, is intended for professionals who work in or desire to work in the tourism industry.

The program addresses the unique character of sustainability and sustainable practices in tourism development and management. Students interested in sustainable tourism management explore the practice of management and development of sustainable tourism businesses and destinations. They learn numerous strategies and tools for identifying and building innovative tourism products and experiences and minimizing adverse impacts of tourism so that they remain viable and sustainable for their host communities.

Students who complete the certificate gain knowledge in topics such as the integration of economic, social and environmental aspects of sustainability as it relates to tourism; conducting sustainability audits for destinations and businesses; community impacts of tourism; and sustainable destination and business planning and management.

**Degree Requirements:**

18 credit hours.

Required Core (15 credit hours)

TDM 520 Sustainable Thinking in Tourism I (3)

TDM 521 Sustainable Thinking in Tourism II (3)

TDM 530 Sustainable Tourism Destination Planning and Management I (3)

TDM 531 Sustainable Tourism Destination Planning and Management II (3)

TDM 570 Sustainable Tourism (3)

Electives (3 credit hours, choose one)

TDM 540 Sustainable Food Management in Tourism (3)

TDM 550 Managing the Sustainable Tourism Business (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Letters of recommendation must be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics, and the letters are to be submitted through the online application.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-sustainable-tourism/>)

**Career Opportunities:**

This certificate is beneficial to students who are interested in building expertise in sustainable tourism management and development, and it is useful to tourism and hospitality industry professionals who are interested in advancing their profiles and also to those who are interested in changing their careers.

The certificate allows graduates enhanced recognition and credentials in an area experiencing a great deal of interest and growth. They can further their careers even more by obtaining an advanced degree specific to sustainability practices in tourism.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

[https://scrd.asu.edu/programs/graduate?field\\_asu\\_ap\\_campus\\_value=All&field\\_asu\\_ap\\_value\\_1=3](https://scrd.asu.edu/programs/graduate?field_asu_ap_campus_value=All&field_asu_ap_value_1=3)

UCENT 550

scrd@asu.edu

602-496-0550

**Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)**

**Online Degree Search Title:** Trauma and Bereavement (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:**

There is a growing need in society for health care workers and clinicians to be better prepared to help clients and patients experiencing trauma.



The School of Social Work graduate certificate program in trauma and bereavement provides students with enhanced knowledge about grief responses and the effects of trauma. Students have opportunities to research an often under-explored topic while helping transform the sociopolitical management of grief, traumatic losses and end-of-life issues in contemporary society.

**Degree Requirements:**

15 credit hours.

Required Core (6 credit hours)

SWG 576 War and Disaster (3)

SWG 577 Traumatic Death: Theory, Counseling and Practice (3)

Restricted Electives (3 credit hours)

SWG 559 Spirituality and the Helping Professions (3)

SWG 655 Quality of Life, Mastering Mindfulness (3)

SWG 690 Reading and Conference (3)

Other Requirements (6 credit hours)

SWG 541 Field Practicum I (3) and SWG 542 Field Practicum II (3) or

SWG 584 Internship (6) or

SWG 641 Advanced Practicum: Direct Practice I (3) and SWG 642 Advanced Practicum: Direct Practice II (3)

Additional Curriculum Information

For restricted electives, students choose one of the three course options listed above for three credit hours.

Students must complete one of the practicums and internship options from the other requirements list. Courses are selected in consultation with an advisor. Field practicums and internships must be preapproved with the academic unit. If selected, enrollment in SWG 584 Internship is for three credit hours and taken twice.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in fields such as psychology, sociology and social work.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- School of Social Work certificate application
- three references
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The personal statement, resume, School of Social Work certificate application (it is available on the department website) and three references (forms available on the department webpage) should be submitted to the School of Social Work.

The personal statement must be two to four pages, doubled-spaced; additional guidelines are listed on the application.

No more than two certificate courses may be completed before applying for admission to the certificate program.

Students should see the program website for application deadlines.

**Career Opportunities:**

This graduate certificate program in trauma and bereavement prepares individuals to work in the field of death and dying as well as with trauma and bereavement in clinical, organizational and administrative settings.

Career examples include:

- crisis response team members and leaders
- hospice and chaplaincy workers
- medical and pre-med occupations
- therapists and counselors

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
[sswgradcerts@asu.edu](mailto:sswgradcerts@asu.edu)  
602-496-0800

## Teachers College, Mary Lou Fulton

### Advanced Analytics in Higher Education, Certificate (TEAAHEGRCT)

**Online Degree Search Title:** Advanced Analytics in Higher Education (Graduate Certificate)

**Campus:** Tempe, Online

**Program Description:**

The graduate certificate program in advanced analytics in higher education prepares professionals to conduct the advanced analytics needed to support data-driven decision-making in all academic and operational areas of higher and postsecondary education.

The coursework addresses the application of data mining, predictive analytics, sentiment analysis and data visualization techniques to higher education-specific problems with the goal of preparing individuals at all levels to use data in their decision-making processes. Through real-world projects using commonly used tools, students apply the knowledge and skills learned while gaining an understanding of the security and ethical considerations of analytics.

**Degree Requirements:**

15 credit hours.

Required Core (15 credit hours)

- HED 603 Foundation of Data Analytics in Higher Education (1)
- HED 604 Analytics Process and Technology in Higher Education (2)
- HED 605 Data Management and Preparation for Higher Ed Analytics (3)
- HED 606 Advanced Analytic Methods for Higher Education (3)
- HED 607 Visualization and Presentation for Higher Education (3)
- HED 608 Trends in Advanced Analytic Methods for Higher Education (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply if they have earned a minimum of a bachelor's degree (business, economics, education, psychology or equivalent) or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts

- personal statement describing the applicant's interests and reason for seeking this certificate
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants are required to have at least one year working in an education-related field and have taken at least one graduate or undergraduate statistics course, finishing with a grade of "B" (scale is 4.00 = "A") or better.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-advanced-analytics-higher-education/>)

#### Career Opportunities:

Students with expertise in advanced analytics are prepared to pursue educational careers in academic and operational areas in higher and postsecondary education.

Career examples include:

- college program director
- computer database architect
- data analyst
- database administrator
- data management specialist

#### Contact Information:

Teachers College, Mary Lou Fulton  
 Educational Leadership & Innovation, Division  
<https://education.asu.edu>  
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 602-543-6358

## An Overview of Autism Spectrum Disorders (certificate), Certificate (EDSPEGRCA)

**Online Degree Search Title:** An Overview of Autism Spectrum Disorders (Graduate Certificate)

**Campus:** Online

#### Program Description:

The graduate certificate in autism spectrum disorders is ideal for educators, interventionists, paraprofessionals, psychologists, behavior analysts and family members who want to enhance their preparation for working with individuals affected with ASD.

The online program can benefit those interested in the fields of teaching, counseling, social work, speech pathology, various fields of therapy and any area that provides services to individuals on the autism spectrum.

Students can complete the graduate certificate within a two-year period while concurrently pursuing a graduate degree or they can complete it as a stand-alone certificate. Students interested in sitting for the national Board Certified Behavior Analyst exam should apply for the MA program in special education with a concentration in applied behavior analysis or the applied behavior analysis graduate certificate, depending on interest and need.

#### Degree Requirements:

15 credit hours.

Required Core (9 credit hours)

SPE 521 Foundations of Autism Spectrum Disorders (3)

SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

SPE 540 Family-Centered Practices (3)

Restricted Electives (6 credit hours)

SPE 520 Verbal Behavior (3)

SPE 527 Behavior Analytic Assessment (3)

SPE 541 Consultation Frameworks and Issues (3)  
SPE 560 Behavior Change Procedures: Implementing Interventions in Behavior Analysis (3)  
SPE 564 Controversial Therapies; Science, Fad and Pseudoscience in Educational Settings (3)  
SPE 566 Applied Behavior Analysis in Inclusive Settings (3)  
SPE 567 Ethics of Applied Behavior Analysis (3)  
SPE 598 Special Topics (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/EDSPEGRCA/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/EDSPEGRCA/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-autism-spectrum-disorders/>)

**Career Opportunities:**

Students gain specialized skills and knowledge to work effectively and compassionately with children and adults, including family members, impacted by autism.

Career examples include:

- adapted physical education specialist
- clinical psychologist
- counselor
- special education teacher
- speech-language pathologist

**Contact Information:**

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**Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)**

**Online Degree Search Title:** Applied Behavior Analysis (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate program in applied behavior analysis pairs research and experience to prepare professionals to work with individuals with

special learning and behavior needs using the principles of applied behavior analysis.

Applied projects and assignments allow students to focus on the population with which they plan to work, while gaining the knowledge and skills they need in order to use applied behavior analysis across various populations and settings. Graduates are well prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members across a variety of settings.

Mary Lou Fulton Teachers College offers university coursework verified by the Association for Behavior Analysis International as meeting the coursework requirements for eligibility to take the Board Certified Behavior Analyst® examination. Once certified, these professionals are equipped to meet diverse behavior needs and make a lasting difference in the community. The course sequence meets the Behavior Analyst Certification Board-required 315 classroom hours of graduate-level instruction aligned with the BCBA/BCaBA task list (fifth edition). BCBA supervised independent fieldwork supervision hours, required for certification, is arranged and completed by the student separately from their ASU coursework. An optional remote supervised independent fieldwork practicum (SPE 580 Applied Behavior Analysis Practicum) is available. Students seeking the master's degree as well as the verified university coursework to sit for the BCBA exam should apply to the MA program in special education with a concentration in applied behavior analysis.

**Degree Requirements:**

21 credit hours.

Required Core (21 credit hours)

SPE 525 Measurement, Data Display, Interpretation and Experimental Design(3)

SPE 526 Concepts and Principles of Applied Behavior Analysis (3)

SPE 527 Behavior Analytic Assessment (3)

SPE 560 Behavior Change Procedures: Implementing Interventions in Behavior Analysis (3)

SPE 562 Personnel Supervision and Organizational Behavior Management in Educational Settings (3)

SPE 563 Philosophical Foundations of Applied Behavior Analysis in Educational Settings (3)

SPE 567 Ethics of Applied Behavior Analysis (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TEABAGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TEABAGRCT/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-applied-behavior-analysis/>)

**Career Opportunities:**

Graduates are well prepared to provide evidence-based practices in applied behavior analysis and consultative services and support to clients, community members and family members. Graduates are often employed as special education teachers.

**Contact Information:**

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<https://education.asu.edu>  
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602-543-6358

## Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)

**Online Degree Search Title:** Teaching and Learning, MEd

**Campus:** Online

ASU is not currently accepting applications for this program.

### Program Description:

The MEd program in curriculum and instruction with a concentration in teaching and learning facilitates the development of advanced-level professional knowledge, skills and understanding through research and applied experiences. The program provides an avenue for developing skills in designing learning environments for students.

### Degree Requirements:

30 credit hours including the required applied project course (SPE 593), or 30 credit hours including the required capstone course (SPE 597).

Students complete 30 credit hours in their focus area and a culminating project to be embedded within a course.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

### Contact Information:

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## Curriculum and Instruction (Applied Behavior Analysis), MEd (TEABAMED)

**Online Degree Search Title:** Curriculum and Instruction (Applied Behavior Analysis), MEd

**Campus:** Online

ASU is no longer accepting new students to this program. Students interested in an online applied behavior analysis program with coursework verified for the Board Certified Behavior Analyst examination should see the MA in Special Education (Applied Behavior Analysis) (<https://webapp4-qa.asu.edu/programs/t5/majorinfo/ASU00/TESPEABAMA/graduate/false>).

**Program Description:**

The MEd program in curriculum and instruction with a concentration in applied behavior analysis pairs research and experience to prepare professionals to use the principles of applied behavior analysis to work with individuals with special learning and behavior needs.

The coursework prepares students to use applied behavior analysis to address a variety of learning and behavior needs across a range of professions and settings. All courses are online, combining a range of resources and technologies to provide students the opportunity to interact directly with program faculty and classmates. Program graduates are well prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members across a variety of settings.

The Mary Lou Fulton Teachers College offers university coursework preapproved by the Behavior Analyst Certification Board for students interested in sitting for the Board Certified Behavior Analyst examination. Professionals with this certification are equipped to meet diverse behavior needs and make a lasting difference in the community. The course sequence meets the BACB-required 270 classroom hours of graduate-level instruction aligned with the fourth edition task list. BCBA supervision hours, required for certification, are arranged and completed by the student separately from ASU coursework. Students not seeking the master's degree but interested in only the preapproved university coursework for the BCBA exam may apply to the applied behavior analysis graduate certificate.

**Degree Requirements:**

30 credit hours including the required capstone course (SPE 597).

Concentration (24 credit hours)

Research (3 credit hours)

Culminating Experience (3 credit hours)

SPE 597 Capstone Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-> Academic Catalog Archive 2021-2022 1403

**Contact Information:**

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## Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED)

**Online Degree Search Title:** Curriculum and Instruction (Autism Spectrum Disorders), MEd

**Campus:** Online

ASU is no longer accepting applications for this program. Applicants interested in autism spectrum disorders should apply directly to the MA in Special Education (Autism Spectrum Disorders) (<https://webapp4-qa.asu.edu/programs/t5/majorinfo/ASU00/TEASDMA/graduate/false>).

**Program Description:**

The MEd program in curriculum and instruction with a concentration in autism spectrum disorders equips individuals with the specialized skills and knowledge they need for working effectively with children and adults affected by autism.

The steady rise in the number of those affected by autism has caused a public demand for professionals who are aware of the issues and needs facing these special individuals, their families and service providers. Program graduates are well prepared to provide important services and care for individuals with autism spectrum disorders in a variety of roles, including as educators, interventionists, paraprofessionals, psychologists, speech pathologists, behavior analysts or family members.

Each student completes a practicum customized to individual interests and abilities. The program culminates with a capstone experience in which students demonstrate analysis and synthesis of material learned in the master's program and evidence of competency in the six Council for Exceptional Children autism standards.

Students interested in sitting for the national Board Certified Behavior Analyst exam should apply to the master's degree in special education, applied behavior analysis concentration or the applied behavior analysis graduate certificate, depending on interest and need.

**Degree Requirements:**

30 credit hours including the required capstone course (SPE 597).

Required Core (3 credit hours)

COE 501 Introduction to Research and Evaluation in Education (3)

Concentration (18 credit hours)

Electives (3 credit hours)

Other Requirements (3 credit hours)

SPE 580 Practicum (3)

Culminating Experience (3 credit hours)

SPE 597 Capstone (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information



An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-autism-spectrum-disorders/>)

**Contact Information:**

Teachers College, Mary Lou Fulton  
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## Curriculum and Instruction (Early Childhood Education), MEd (TEECMED)

**Online Degree Search Title:** Curriculum and Instruction (Early Childhood Education), MEd

**Campus:** Online

**Program Description:**

The early childhood education concentration in the MEd program in curriculum and instruction prepares individuals to meet the educational, social and emotional needs of children from birth through age eight.

Through online coursework, applied activities and in-person professional experiences, the program equips students with specialized skills and advanced knowledge in early childhood pedagogy, community collaboration, technology, administration, policy analysis and advocacy.

The master's degree is appropriate for students interested in learning about early childhood education research and working with infants and children in grades K-3. This track may be of interest to students who already have a teaching certificate and are interested in furthering their knowledge and skills or pursuing doctoral studies in the future.

A second option is the master's degree and Arizona certification in early childhood education track, which provides students with the coursework and professional experiences necessary to become licensed to teach children birth through grade three. The track provides participants an institutional recommendation for a state of Arizona early childhood education certification (birth through age eight or through grade three) and the master's degree.

All courses are online, but professional experiences are completed in person.

**Degree Requirements:**

30 credit hours including the required applied project course (ECD 593).

Students in this program complete an applied project within their plan of study as a culminating experience.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement

- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should come from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-early-childhood-education/>)

#### Career Opportunities:

Students gain skills in teaching, conducting research, utilizing technology and analyzing policy which prepare them to expand or pursue educational careers working with young children and their families.

Career examples include:

- childcare worker
- family social worker
- education administrator
- preschool teacher or director

#### Contact Information:

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Division of Teacher Preparation

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## Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)

**Online Degree Search Title:** Gifted Education, MEd

**Campus:** Online

#### Program Description:

The MEd program in curriculum and instruction with a concentration in gifted education prepares teachers, school administrators, school psychologists, early interventionists and family members to work effectively with gifted children. Students gain the theory and pedagogy needed to identify and serve gifted children as well as the knowledge and skills required to develop and provide the most current instructional methods and services for their gifted students.

Graduates understand how to identify learning potential and address specific needs of gifted and talented students. They have an understanding of gifted students' unique affective and academic needs and know how to design and provide appropriately challenging, differentiated curriculum and instruction so that gifted students may develop their full potential.

Graduates know how to develop a continuum of gifted programs and services; work with school administrators, teachers, school boards and parents; and advocate for gifted students at local and national levels.

The program is designed for public and private teachers in regular classrooms, honors classrooms and gifted programs and for school administrators and gifted program coordinators.

The program also provides the 12 credit hours of coursework in gifted education required for the gifted education (K-12) endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

#### Degree Requirements:

30 credit hours including the required capstone course (SPE 597).

Required Core (3 credit hours)

Concentration (21 credit hours)

Electives (3 credit hours)

Culminating Experience (3 credit hours)

SPE 597 Capstone Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-teaching-and-learning-gifted-elementary/>)

**Career Opportunities:**

Students gain skills in creating and strengthening gifted programs, developing instructional methods, advocating for learners and working with school districts and families. This prepares them to expand or pursue education careers working with gifted learners.

Career examples include:

- elementary education administrator
- gifted educator
- secondary education administrator

**Contact Information:**

Teachers College, Mary Lou Fulton

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**Educating Multilingual Learners (Certificate), Certificate (TEESLGRCT)**

**Online Degree Search Title:** Educating Multilingual Learners (Graduate Certificate)

**Campus:** Online

**Program Description:**

The graduate certificate program in educating multilingual learners prepares students to educate bilingual and multilingual learners in a variety of settings, including preK-12 schools, colleges, universities and organizations serving linguistically diverse populations. Students in this program gain skills and knowledge in language and literacy development, pedagogy, culture and context, and in advocacy for multilingual learners.

While the program is an excellent choice for teachers seeking to improve their preparation for bilingual and multilingual learners, it does not lead to teacher certification. There is no requirement that students entering the program hold a teaching certificate or seek to obtain one.

This certificate program is not designed to address specific requirements of any single state endorsement but may address many components for state endorsements, depending on state requirements.

**Degree Requirements:**

15 credit hours.

Required Core (9 credit hours)

BLE 534 Language, Policy, and Power: Past and Present (3)

BLE 536 Education for Social Transformation (3)

BLE 537 Linguistics for Educators (3)

Electives (6 credit hours)

Additional Curriculum Information

Students should see the academic unit for approved list of elective courses.

There is no culminating experience required for the certificate program.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, preferably in education or related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TEESLGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TEESLGRCT/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-english-second-language/>)

**Career Opportunities:**

As populations continue to diversify, there is high demand for professionals with expertise in supporting the unique educational needs of multilingual learners. Program graduates are well suited for positions within education or organizations serving international or immigrant populations.

Career examples include:

- education manager

- educational consultant
- instructor
- multilingual or bilingual education specialist
- professional development manager
- school administrator

**Contact Information:**

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**Education, MA (TEEDUMA)**

**Online Degree Search Title:** Education, MA

**Campus:** Online

**Program Description:**

The MA program in education is designed for certified teachers and other professionals working in education, and can be completed in as few as 16 months. Students in the program customize their coursework in order to meet their professional goals for working with children, youth or adults in nonprofit settings, community institutions, civic organizations and businesses. The degree program provides a foundation for students to shape society by supporting educational endeavors. It also helps students develop skills for effective communication, collaboration, leadership, advocacy and innovation, all of which are essential to education professionals.

Students in this program can customize their coursework by choosing two areas of focus. They then get to choose elective courses, from among more than 40 options, that are aligned with the two focus areas. Focus areas may include:

- applied behavior analysis
- autism spectrum disorders
- early childhood education
- educating multilingual learners
- gifted education
- global education
- learning design and technologies

**Degree Requirements:**

30 credit hours including the required applied project course (EDU 593), or 30 credit hours including the required applied project course (EDU 593) - Mandarin Pathway.

Required Core (3 credit hours)

COE 501 Introduction to Research and Evaluation in Education (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)

EDU 593 Applied Project (3)

Additional Curriculum Information

The program is designed to be flexible and personalized to meet the interests of the learner. Students should see the academic unit for a list of electives to choose from as they explore focal areas of greatest interest.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College .

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program, and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

Applicants must provide a written statement of approximately 500 words that describes their personal interest in the field of education, the goals they wish to achieve while in the program, and their short- and long-term career aspirations. The admission committee pays particular attention to the quality of writing, the ideas expressed, and the relative match between the applicant and program goals.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/masters-in-education/>)

**Career Opportunities:**

Students gain skills in effective communication, collaboration, leadership, advocacy and innovation, all of which are essential to education professionals in a variety of careers. Graduates of the program are prepared to change the face of learning throughout society.

Career examples include:

- behavior specialist
- curriculum designer
- education program manager
- education subject matter expert
- instructional designer
- team lead (K-12 schools)

**Contact Information:**

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602-543-6358

## Education (Accomplished Teaching), MA (EDACCTCMA)

**Online Degree Search Title:** Education (Accomplished Teaching), MA

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The MA program in education with a concentration in accomplished teaching is designed for practicing educators who want to advance their expertise and be able to innovate not only in the classroom but also help their schools or other work settings to redesign education from a deep understanding of educational theory and practice. Students improve their understanding of student learning and assessment and they develop skills in conducting action research.

**Degree Requirements:**

30 credit hours including the required applied project course (DCI 593).

Required Core (15 credit hours)

Electives (12 credit hours)

Culminating Experience (3 credit hours)  
DCI 593 Applied Project (3)

#### Additional Curriculum Information

Students should see the academic unit for an approved course list.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can comment on the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

#### Contact Information:

Teachers College, Mary Lou Fulton  
Educational Leadership & Innovation, Division  
<https://education.asu.edu>  
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602-543-6358

## Education (Educating Multilingual Learners), MA (EDESLMA)

**Online Degree Search Title:** Education (Educating Multilingual Learners), MA

**Campus:** Online

#### Program Description:

The MA in program in education with a concentration in educating multilingual learners prepares students to educate bilingual and multilingual learners in a variety of settings, including preK-12 schools, colleges, universities and organizations serving linguistically diverse populations. Students of this program gain skills and knowledge in language and literacy development, pedagogy, culture and context, and in advocacy for multilingual learners.

Program courses are designed and led by tenured faculty. The program advances a contextualized view of the nature of multilingualism, highlights language learning processes and related pedagogies, and promotes educators' self-reflection about their positionality and potential as advocates for their students.

Students take both a practicum and a capstone course. The practicum provides students an opportunity to apply theoretical and practical information presented through coursework in a real world setting. This is a structured practical experience supervised by a faculty member with whom the student works closely. For the capstone, students identify a specific topic or problem of practice and lead a research-driven project.

While the program is an excellent choice for teachers seeking to improve their preparation for bilingual and multilingual learners, it does not lead to teacher certification. There is no requirement that students entering the program hold a teaching certificate or seek to obtain one.

This program is not designed to address specific requirements of any single state endorsement but may address many components for state endorsements, depending on the state's requirements.

Note: Individuals who wish to build a career in the international field of English language teaching should consider the Master of Teaching English to Speakers of Other Languages (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LAENGMTESL/graduate/false>) (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LAENGMTESL/graduate/false>) offered through The College of Liberal Arts and Sciences.

**Degree Requirements:**

30 credit hours including the required capstone course (BLE 597).

Required Core (3 credit hours)

COE 501 Introduction to Research and Evaluation in Education (3)

Concentration (24 credit hours)

Culminating Experience (3 credit hours)

BLE 597 Capstone (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can comment on the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/education-educating-multilingual-learners-ma/>)

**Career Opportunities:**

As populations continue to diversify, there is high demand for professionals with expertise in supporting the unique educational needs of multilingual learners. Graduates are well suited for positions within education or organizations serving international or immigrant populations.

Career examples include:

- education manager
- educational consultant
- instructor
- multilingual or bilingual education specialist
- professional development manager
- school administrator



**Contact Information:**

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**Education (Literacy Education), MA (EDLANGMA)**

**Online Degree Search Title:** Education (Literacy Education), MA

**Campus:** Online

**Program Description:**

The MA program in education with a concentration in literacy education prepares students to be leaders of literacy education who understand the sociocultural, historical and political settings in which reading, writing, oral language and the visual arts are created and utilized. Fully online courses include digital technologies, multimodal literature, language and literacy for diverse learners, and literacy assessment and instruction for children and adolescents as well as adults. Through the program, students learn how to think deeply about literacy theories, pedagogies and resources through both a solid theoretical foundation of literacy and a foundational knowledge base addressing pedagogical and content knowledge.

Students learn how to support inclusive educational practices, critical thinking skills and multiliteracies to face the challenges of a diverse and global society. Through the program, students learn how to use technology to encourage critical thinking and as a resource for teaching, assessment and inquiry.

Graduates are literacy leaders who inquire into their own instructional approaches, analyze resources available for literacy instruction, and critically examine the environments and learning experiences constructed in their context.

**Degree Requirements:**

30 credit hours including the required capstone course (RDG 597).

Required Core (3 credit hours)

COE 501 Introduction to Research and Evaluation in Education (3)

Concentration (18 credit hours)

RDG 505 Language and Literacy Across the Lifespan (3)

RDG 510 Literacies, Digital Technologies, and Learning (3)

RDG 512 Theoretical Foundations in Language and Literacy (3)

RDG 515 Multimodal Literature for Children and Adolescents (3)

RDG 518 Supporting Language and Literacy for Diverse Learners (3)

RDG 519 Writing Throughout the Lifespan (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

RDG 597 Capstone (3)

Additional Curriculum Information

Students put their coursework into action through an interactive capstone project, where they design, implement, analyze and reflect on a professional development project for literacy educators.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement

- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/literacy-education/>)

#### Career Opportunities:

Students gain skills in leadership, literacy assessment and instruction, conducting research and utilizing technology, which prepare them to expand or pursue educational careers working with learners of all ages.

Career examples include:

- curriculum writer
- instructional coach
- instructor
- literacy coordinator
- literacy media specialist
- reading specialist

#### Contact Information:

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602-543-6358

## Education Sciences, MS (TEEDUSCIMS)

**Online Degree Search Title:** Education Sciences, MS

**Campus:** Tempe

#### Program Description:

The MS program in education sciences prepares professionals working in the field of education research to use quantitative analysis and research design to address contemporary problems in a variety of educational settings. Graduates of the program are able to design and conduct research to answer important questions in education and to analyze data that is collected in a variety of circumstances.

This program is directed at individuals currently working in or interested in public or private social science research centers or agencies, school districts, state or federal agencies, university research centers, foundations, educational testing companies, and any industries that focus on employee education and outcomes.

#### Degree Requirements:

Required Core (18 credit hours)

EDU 501 Education Sciences I: Quantitative Research and Design Inquiry (6)

EDU 502 Education Sciences II: Intermediate Quantitative Inquiry and Measurement (6)

EDU 503 Education Sciences III: Advanced Quantitative Analysis and Modeling (6)

Other Requirements (9 credit hours)

EDU 592 Research (3)

EDU 598 Special Topics (6)

Culminating Experience (6 credit hours)

EDU 593 Applied Project (6)

Additional Curriculum Information

Coursework listed as other requirements may be substituted with approval of the academic unit.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

GRE scores are not required for admission.

Applicants must provide a written statement of approximately 500 words that describes their personal interest in the field of education, the goals they wish to achieve while in the program, and their short- and long-term career aspirations. The admission committee pays particular attention to the quality of writing, the ideas expressed and the relative match between the applicant and program goals.

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**Educational Leadership, MEd (EDSUPVMED)**

**Online Degree Search Title:** Educational Leadership, MEd

**Campus:** Polytechnic, West

ASU is not currently accepting applications for the core degree. Students interested in the principal preparation program leading to Arizona principal certification should see the Educational Leadership (Principalship), MEd

(<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEPRINMED/graduate/false>).

**Program Description:**

The MEd program in educational leadership is designed for individuals who believe in the power of education to transform children's lives and who aspire to school leadership positions as administrators or in other leadership roles in K-12 settings. This rigorous, standards-based leadership preparation program provides students with the knowledge and expertise to become transformative administrators or teacher leaders with deep and unwavering commitment to providing excellent and equitable educational opportunities for all students.

This program equips students with the skills to facilitate school-level and systemic change; create and sustain a culture of innovation and collaboration; successfully lead curriculum development; interpret and use data to support student success; provide effective feedback, support and evaluation for teachers; build a community network of support for students and schools; and ensure equitable and excellent educational opportunities and support for all students.

The master's degree program in educational leadership is designed to prepare teachers to meet Arizona requirements for principal certification. Students seeking certification in a state other than Arizona should contact their state department of education to determine the principal certification requirements prior to applying.

**Degree Requirements:**

36 credit hours including the required applied project (EDA 593).

Required Core (27 credit hours)

EDA 501 Competency/Performance in Educational Administration (3)

EDA 505 American Education System (3)

EDA 511 School Law (3)

EDA 514 Leadership in Curriculum and Assessment (3)

EDA 526 Instructional Supervision (3)

EDA 548 School, Family and Community Connections (3)

EDA 572 School Finance and Human Resources (3)

EDA 578 Critical Issues in Educational Leadership (3)

EDA 634 Instructional Leadership (3)

Other Requirement (6 credit hours)

EDA 584 Internship (3)

EDA 684 Internship (3)

Culminating Experience (3 credit hours)

EDA 593 Applied Project (3)

Additional Curriculum Information

The 15-month, standards-based leadership development program begins with a three-week summer intensive that immerses the cohort in a simulated school experience during which students engage in required coursework in a hybrid format. Learning continues during the school year with a blend of web-based and face-to-face courses taken at an ASU campus, including set meetings each semester wherein students visit schools and participate in instructional rounds. All students participate in a two-semester, school-based internship that provides the opportunity to apply new learning and research in a K-12 setting. The program concludes with a two-week summer intensive during which the cohort meets together and engages with coursework in a hybrid format.

Students must be employed in a school-based position or have access to an ASU- and district-approved school placement that serves as the laboratory of practice for applying the concepts, principles and leadership approaches learned through the coursework.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and have at least two years of pre-K through grade 12 teaching experience as a teacher of record.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation

- personal statement
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

#### Contact Information:

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## Educational Leadership (Principalship), MEd (TEPRINMED)

**Online Degree Search Title:** Educational Leadership (Principalship), MEd

**Campus:** Polytechnic, West, ASU@Yuma, Online

Polytechnic campus applications for the Fall 2021 term are for the Mesa Public Schools cohort.

#### Program Description:

The MEd program in educational leadership with a concentration in principalship is designed for individuals who believe in the power of education to transform children's lives and who aspire to school leadership positions as administrators or in other leadership roles in K-12 settings, people with a deep and unwavering commitment to providing excellent and equitable educational opportunities for all students.

This program equips students with the skills to facilitate school-level and systemic change; create and sustain a culture of innovation and collaboration; successfully lead curriculum development; interpret and use data to support student success; provide effective feedback, support and evaluation for teachers; build a community network of support for students and schools; and ensure equitable and excellent educational opportunities and support for all students.

The master's degree program in educational leadership is designed to prepare teachers to meet Arizona requirements for principal certification. Students seeking certification in a state other than Arizona should contact their state department of education to determine the principal certification requirements prior to applying.

#### Degree Requirements:

36 credit hours including an applied project (EDA 593).

##### Required Core (27 credit hours)

- EDA 501 Competency/Performance in Educational Administration (3)
- EDA 505 American Education System (3)
- EDA 511 School Law (3)
- EDA 514 Leadership in Curriculum and Assessment (3)
- EDA 526 Instructional Supervision (3)
- EDA 548 School, Family and Community Connections (3)
- EDA 572 School Finance and Human Resources (3)
- EDA 578 Critical Issues in Educational Leadership (3)
- EDA 634 Instructional Leadership (3)

##### Other Requirement (6 credit hours)

- EDA 584 Internship (3)
- EDA 684 Internship (3)

##### Culminating Experience (3 credit hours)

- EDA 593 Applied Project (3)

#### Additional Curriculum Information

All students participate in a two-semester, school-based internship that provides the opportunity to apply new learning and research in a K-12 setting. Students must be employed in a school-based position or have access to an ASU- and district-approved school placement that serves as the laboratory of practice for applying the concepts, principles and leadership approaches learned through the coursework.

#### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and have at least two years of pre-K through grade 12 teaching experience as a teacher of record.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program, and one of the letters must be from a current immediate supervisor who is a principal, assistant principal or the equivalent.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-educational-leadership-principalship/>)

#### Career Opportunities:

Graduates of this rigorous, standards-based leadership preparation program have the expertise to become transformative administrators or teacher leaders. They display skills in effective collaboration and critical reasoning that are needed to effectively lead a school and support increased academic achievement and success for all learners.

Career examples include:

- assistant principal
- principal
- school administrator
- team lead (K-12 school)

#### Contact Information:

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## Educational Policy, MA (EDSPFMA)

**Online Degree Search Title:** Educational Policy, MA

**Campus:** Tempe

#### Program Description:

The MA program in educational policy provides graduates with skills in education policy and applied data analysis. It is particularly well suited for individuals whose current or prospective careers require the use and interpretation of data, such as overseeing assessments or conducting program evaluations. Classroom teachers and practicing educators in other contexts will gain new perspectives on their schools, classrooms and teaching with the skills they develop in this master's degree program.

The coursework deepens students' understanding of research and policymaking and allows them to critically assess education programs and policies and develop the skills they need to engage in data-informed decision-making. Courses address key issues in contemporary education policy, evaluating and synthesizing research literature, analyzing and interpreting data and conducting applied research. With the assistance of a faculty or academic advisor, students also customize their elective courses in educational policy, research methods and other areas of interest to enhance their knowledge and skills.

In the culminating experience in the final semester, students design and execute an individual or group project that utilizes their new knowledge and research skills.

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Educational Studies, BAE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Degree Requirements:**

30 credit hours including an applied project (EPA 593).

Required Core (15 credit hours)

EPA 532 Becoming an Informed Consumer of Education Research (3)

EPA 555 Translating Research for Educational Change (3)

EPA 556 Data Analysis for Education Decision Makers (3)

EPA 559 Systematic Inquiry for Problem Solving (3)

EPA 565 Critical Topics in Education Policy (3)

Restricted Elective or Research (12 credit hours)

Culminating Experience (3 credit hours)

EPA 593 Applied Project (3)

Additional Curriculum Information

For electives or research, students should see the academic unit for the approved course list.

### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Career Opportunities:**

Students are prepared to expand or pursue careers that involve the use and interpretation of data. This program is also suited for students who want to pursue doctoral credentials in education after graduation.

Career examples include:

- grants administrator
- policy analyst
- program and project manager
- research and data analyst

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## Educational Policy and Evaluation, PHD (EDLDRSHPHD)

**Online Degree Search Title:** Educational Policy and Evaluation, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in educational policy and evaluation prepares scholars to conduct rigorous, high-impact and transdisciplinary research on education policies that advance the educational conditions in preK-20 and other educational environments.

Doctoral students in the educational policy and evaluation program engage in systematic analyses of education policies and practices in a variety of settings, including schools, universities, research centers, government agencies and nongovernmental organizations.

The program emphasizes intensive training in the theory, methods and implementation of education policy with a focus on research and evaluation. Students pursue an area of specialization supported by faculty expertise.

Educational policy and evaluation students work closely with nationally and internationally recognized faculty members on collaborative and independent research projects that result in scholarly articles, policy briefs, reports and engagement in education policy. The program also provides opportunities for internships in applied settings and experiences in scholarly publishing to influence the field.

Doctoral students are expected to engage in the program full time and are supported by the Mary Lou Fulton Teachers College with funding renewable for four years, pending adequate progress toward completing program requirements.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Of the 84 credit hours required for the degree, 54 must be earned at ASU and 24 of the ASU credit hours must be earned in research and dissertation courses. The coursework includes classes in evaluation, policy analysis, research methods and an area of specialization. Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the 84 credit hours. In addition, with program and Graduate College approval, a student may use up to 12 additional credit hours toward the doctorate if documentation is provided showing that those credit hours were not part of the master's degree.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a master's degree from a regionally accredited institution or an international equivalent as determined by Graduate Admissions.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:



- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- GRE scores
- an academic writing sample
- curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

There are no minimum required GRE scores.

#### Career Opportunities:

Students gain the knowledge and skills to pursue careers as education researchers who advance the collective understanding of education policy for pre-K through 20 and other education environments.

Career examples include:

- college program director
- education administrator
- policy analyst
- professor
- researcher

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## Educational Technology, PHD (EDTECHPHD)

**Online Degree Search Title:** Educational Technology, PhD

**Campus:** Tempe

ASU is not currently accepting applications for this program.

#### Program Description:

The focus of the PhD program in educational technology is on the design, development and evaluation of instructional systems and on educational technology applications that support learning. The doctoral program emphasizes research using educational technology in applied settings.

#### Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Courses (24 credit hours)

- EDP 540 Learning Theories and Instructional Strategies (3)
- EDP 552 Multiple Regression and Correlation Methods (3)
- EDP 554 Analysis-of-Variance Methods (3)
- EDT 501 Foundations of Learning Design and Technologies (3)
- EDT 502 Design and Development of Instruction (3)
- EDT 503 Design of Effective Communications (3)
- EDT 504 Modalities of Learning (3)
- EDT 506 Evaluation of Learning Systems (3) EDT 701 Research in Educational Technology (3)

#### Elective Courses (30 credit hours)

Students select a minimum of 30 credit hours of elective coursework in consultation with a faculty advisor or doctoral committee chair.

#### Practicum Hours (6 credit hours and research, below)

Students must earn at least 18 credit hours for practicum courses. Students complete three different practica while in the program: instructional design (typically EDT 780 Practicum for three credit hours), teaching (typically EDT 680 Practicum for three credit hours), and a research practicum.

#### Research (12 credit hours)

#### Culminating Experience (12 credit hours)

EDT 799 Dissertation (12)

#### Admission Requirements:

Applicants must fulfill requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three email addresses for professional recommendations
- personal statement
- resume
- GRE scores
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. The Mary Lou Fulton Teachers College requires a minimum score of 600 (paper-based) or 100 (internet-based) on the TOEFL.

Scores of 500 or above on the verbal reasoning and quantitative reasoning sections of the GRE are required as well as a score of four or greater on the analytical writing section of the GRE.

#### Career Opportunities:

The program prepares students for a variety of professional positions. Graduates are employed as faculty, educational technologists or instructional designers in universities, community colleges and schools or as training managers in corporate settings.

#### Contact Information:

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## Elementary Education (Teacher Certification), MEd (TEEEACLMEDE)

**Online Degree Search Title:** Elementary Education (Teacher Certification), MEd

**Campus:** Downtown Phoenix, Tempe, West, Online

#### Program Description:

This program is for those who already have a bachelor's degree in any field and want to become licensed to teach grades K-8.

The MEd program in elementary education builds strong connections between theory and practice through quality classroom instruction paired with extensive professional experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Mary Lou Fulton Teachers College faculty actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further

empowers students to engage in their own research through the applied project coursework.

A series of professional experiences or field placements are designed to assist students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through the clinical framework provides students with the support they need to become effective educators.

The master's degree program in elementary education offers two options for students to earn a master's degree and Arizona teacher certification:

**Master's and Arizona Certification** --- In this program, students take classes at an ASU campus two nights a week and are required to do a field experience one day per week for at least two semesters. During the last semester of the MAC program, students complete a full-time teaching residency.

**Induction, Master's and Arizona Certification** --- This program features a partnership with Teach For America, various school districts and charter schools. The InMAC program provides an alternative pathway to teacher certification for full-time teachers on an Alternative Teaching Certificate. To qualify, individuals must secure a full-time teaching position in an approved content and grade level and pass the appropriate content exam. Participants take classes one night per week and must be continuously enrolled in teaching coursework.

**Degree Requirements:**

33 credit hours including the required applied project course (EED 593).

Required Core (27 credit hours)

EDP 510 Psychology in Education (3)

EED 521 Instructional Planning for the Diverse Classroom (3)

EED 524 Social Studies Methods and Assessment (3)

EED 529 Science Methods and Assessment (3)

EED 537 K-8 Mathematics Methods and Assessment (3)

ELL 504 Instructional Design for Culturally and Linguistically Diverse Students (3)

RDG 531 Language and Literacy I (3)

RDG 532 Language and Literacy II (3)

SPE 524 Effective Classroom Behavior Management (3)

Other Requirement (3 credit hours)

EED 511 Curriculum Theory and Instructional Planning (3)

Culminating Experience (3 credit hours)

EED 593 Applied Project (3)

Additional Curriculum Information

With approval of the academic unit, an alternative course to EED 511 may fulfill this requirement.

The applied project is conducted in the school setting.

Students need to take additional coursework for tracks leading to certification, and they should see the academic unit for the approved course listing.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- IVP fingerprint clearance card issued by the state of Arizona
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

#### Career Opportunities:

Students gain skills in teaching, conducting research, utilizing technology and collaborating in teams which prepare them for educational careers working with learners in grades K-8.

Career examples include:

- curriculum leader
- instructional specialist
- K-8 teacher
- school director

#### Contact Information:

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## Gifted Education (Certificate), Certificate (TEGEDGRCT)

**Online Degree Search Title:** Gifted Education (Graduate Certificate)

**Campus:** Online

#### Program Description:

The graduate certificate program in gifted education prepares teachers, school administrators, school psychologists, early interventionists and family members to work effectively with gifted children. The program provides students with the theory and pedagogy needed to identify and serve gifted children as well as the knowledge and skills required to develop and provide the most current instructional methods and services for their gifted students.

Graduates of the program understand how to identify learning potential and address specific needs of gifted and talented students. They have gained an understanding of gifted students' unique affective and academic needs and know how to design and provide appropriately challenging, differentiated curriculum and instruction so that gifted students may develop their full potential.

Graduates have learned how to develop a continuum of gifted programs and services, work with school administrators, teachers, school boards and parents, and are able to advocate for gifted students at local and national levels.

The program also provides coursework in gifted education required for the gifted education (K-12) endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

#### Degree Requirements:

15 credit hours.

Required Core (12 credit hours)

SPE 585 Creativity: Foundations of Research and Development in Gifted Education (3)

SPE 586 Advising the Gifted Learner: Social and Emotional Needs (3)

SPE 587 Special Populations in Gifted Education (3)

SPE 588 The Gifted Learner: Foundations of Identification, Education and Development (3)

Electives (3 credit hours)

SPE 572 Testing and Measurement in Gifted Education: Methods (3)

SPE 573 Differentiating Instruction for Gifted Learners: Teaching Methods (3)

## SPE 589 Gifted Education Programming: Models, Methods and Services (3)

### Additional Curriculum Information

Students choose one course from SPE 572, SPE 573 or SPE 589 to complete the elective requirement.

There is no culminating experience required for this certificate program.

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, preferably in education or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- proof of English proficiency

### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TEGEDGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TEGEDGRCT/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-gifted-education/>)

### Career Opportunities:

Students gain skills in creating and strengthening gifted programs, developing instructional methods, advocating for learners and working with school districts and families. This prepares them to expand or pursue education careers working with gifted learners.

Career examples include:

- education administrator
- gifted teacher
- guidance counselor
- teacher assistant
- vocational education teacher

### Contact Information:

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## Global Education, MEd (TEGLOEDMED)

**Online Degree Search Title:** Global Education, MEd

**Campus:** Online

### Program Description:

The MEd program in global education prepares professionals working in the field of international and comparative education to identify, analyze and address contemporary problems that cross borders, cultures and disciplines in a variety of settings. Graduates of the program develop knowledge and skills that enable them to evaluate current programs and practices and create innovative and sustainable solutions directed at increasing access to quality education for diverse populations, teachers and leaders, and to engage in applied educational research at the local, national and global levels.

This program is directed at individuals currently working in or interested in international education more generally, especially those charged with the administration, planning and evaluation of educational programs and policies. The prospective applicant for this program seeks to gain a deeper understanding of the complex and dynamic relationship between global and local perspectives on systems of education, develop practical solutions for key challenges in those systems, and experience working collaboratively and imaginatively across disciplines.

**Degree Requirements:**

30 credit hours including the required applied project course (GLE 593).

Required Core (18 credit hours)

GLE 501 Global Thinking in Education (3)

GLE 502 Inquiry in Global Education (3)

GLE 503 Evaluating Global Education Policies and Programs (3)

GLE 504 Exploring Global Education Issues in the Global Education Literature (3)

GLE 505 Evidence in Global Education Inquiry (3)

GLE 506 Applied Inquiry in Global Education: Developing Proposals for Field Research (3)

Electives or Research (9 credit hours)

Culminating Experience (3 credit hours)

GLE 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in global education, comparative education or other related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Applicants must complete a personal statement that describes their background including the personal, educational and professional experiences that led them to apply to this program. Applicants should follow the specific prompt found in the application.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/global-education-med/>)

**Career Opportunities:**

Students in this program gain skills they need for leading in the education sector and continuously improving it. They are equipped with the research and analysis skills that enable them to gather evidence to inform, design and improve practices to strengthen systems that provide quality education for diverse populations. This prepares them to expand or pursue a variety of careers in international education.

Career examples include:

- global education subject matter expert

- policy analyst
- program and project manager
- school administrator

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**Higher and Postsecondary Education, MEd (EDPOSTMED)**

**Online Degree Search Title:** Higher and Postsecondary Education, MEd

**Campus:** Downtown Phoenix, Tempe

**Program Description:**

The MEd program in higher and postsecondary education is designed to facilitate the professional development of those who work in colleges and universities in administrative roles as well as academic or student support positions.

The higher and postsecondary education program develops leaders who have a strong understanding of the theory and practice of higher education administration, possess the capacity to analyze issues confronting contemporary colleges and universities, and can apply expertise in designing innovative solutions in administrative decision-making. The goal of this program is to provide graduates with a better understanding of the challenges that face contemporary colleges and universities and to prepare them to succeed in environments that demand innovation, excellence, inclusion and collaboration. Students have the opportunity to make a local impact to support the success of higher education in the state of Arizona.

Coursework addresses a range of practice-focused topics in the field, including the following: the history of higher education in the United States, organizational characteristics of colleges and universities, important laws and policies pertaining to administrative practice in higher education, how colleges and universities are funded, how to successfully work with the diverse stakeholders in contemporary higher education and how to collect and use data to improve decision-making.

This 30-credit hour, 10-course program is offered on a 7.5-week calendar in fall and spring semesters (six weeks in summer). Students may enroll part time or full time.

Most courses are offered in a hybrid format with 50% of the content delivered face-to-face (weekday evenings) and 50% delivered through independent or technology-supported learning experiences and fieldwork.

This program culminates with the creation and presentation of an applied project that demonstrates students' understanding of critical issues in higher education and how to collect and use data to improve their professional practice. The project is also designed to promote graduates' career advancement in higher and postsecondary education-related settings.

**Degree Requirements:**

30 credit hours including the required applied project course (HED 593).

Required Core (9 credit hours)

Foundation Courses (18 credit hours)

Culminating Experience (3 credit hours)

HED 593 Applied Project (3)

**Addition Curriculum Information**

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English language proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can comment on the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

### **Career Opportunities:**

Students gain skills in analyzing issues in higher education, working with diverse stakeholders, conducting research and making data-driven decisions, which prepare them to expand or pursue administrative roles at colleges and universities.

Career examples include:

- college program director
- student affairs leader
- student life leader
- student services staff

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## **Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)**

**Online Degree Search Title:** Institutional Research and Policy Analysis (Graduate Certificate)

**Campus:** Tempe

### **Program Description:**

The graduate certificate in institutional research and policy analysis provides participants with the training and skills in education policy and applied data analysis that allows them to critically assess education programs and policies and engage in data-driven decision-making. The program consists of courses in which students analyze data from practical applied settings, including their own schools or organizations.

This certificate program allows students to glean insights from data that help them make effective decisions in classrooms, schools, districts and other organizations; present reliable and pertinent data to their colleagues and administrators; and develop analyses that can help them identify instructional changes aimed at improving student achievement.

### **Degree Requirements:**

15 credit hours.

Required Courses (15 credit hours)

- EPA 532 Becoming an Informed Consumer of Educational Research (3)
- EPA 555 Translating Research for Educational Change (3)
- EPA 556 Data Analysis for Education Decision Makers (3)
- EPA 559 Systematic Inquiry for Problem Solving (3)
- EPA 565 Critical Topics in Education Policy (3)



**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The personal statement should describe the applicant's interests and reason for seeking this degree

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/EDINSRESCE/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/EDINSRESCE/Gedt.pdf>).

**Career Opportunities:**

Students gain skills in assessing education programs and policies, synthesizing research literature and conducting applied research. This prepares them to expand or pursue careers that involve the use and interpretation of data. This program is also suited for students who want to pursue doctoral credentials in education after graduation.

Career examples include:

- curriculum leader
- policy analyst
- program and project manager
- research and data analyst
- teacher administrator

**Contact Information:**

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**Instructional Design and Performance Improvement (certificate), Certificate (EDEDTGRCT)**

**Online Degree Search Title:** Instructional Design and Performance Improvement (Graduate Certificate)

**Campus:** Tempe, Online

**Program Description:**

Mary Lou Fulton Teachers College offers a graduate certificate in instructional design and performance improvement. The program's curriculum focuses on how to facilitate learning and improve performance in a variety of settings and on design and development of instruction, instructional media design, development of computer-based instruction and trends in performance improvement.

Students can concurrently pursue the graduate certificate while enrolled in other graduate programs at ASU.

The graduate certificate includes a specific series of courses that will help a student achieve professional growth.

**Degree Requirements:**

15 credit hours

Required Core (12 credit hours)

EDT 501 Foundations of Learning Design and Technologies (3)

EDT 502 Design and Development of Instruction (3)

EDT 503 Design of Effective Communications (3)

EDT 523 Issues in Online and Distance Education (3)

Other Requirement (3 credit hours)

EDT 504 Modalities of Learning (3) or

EDT 507 Performance Improvement and Leadership (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

GRE scores are not required for admission.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/EEDTGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/EEDTGRCT/Gedt.pdf>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/instructional-design/>)

**Contact Information:**

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## Leadership and Innovation, EdD (TELINEDD)

**Online Degree Search Title:** Leadership and Innovation, EdD

**Campus:** West, Online

**Program Description:**

The EdD program in leadership and innovation prepares scholarly practitioners and is designed for practicing educator-leaders who work in a range of settings and who want to transform and improve their practice to create better learning opportunities for students of all ages.

Students in the program begin as accomplished teachers, teacher leaders, principals, superintendents, higher education professionals or leaders in other educational contexts. Through coursework, students deepen their abilities to lead change and implement innovation in their local educational organizations. The program is not designed to prepare students for academic research-oriented tenure-track positions.

The cohort-based program focuses on action research and includes required coursework and several options for advanced professional studies with a research core that deepens students' abilities to reflectively and critically think about problems of practice in one of the following contexts: preK-12 change leadership; higher education change leadership; or systems, professional and reimagined change leadership.

Differentiation among these contexts and students' interests occurs within the required coursework.

Students conduct multiple cycles of inquiry throughout the program and learn research within their own workplace. They share their research at the end of each academic year through presentations in a public doctoral research conference.

Leader-scholar communities, formed at the end of the first year and consisting of five to seven students and one faculty member, meet regularly for the second and third years of the program to supply academic and personal support. Through LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Each student's LSC leader serves as the dissertation chair, along with two additional committee members who ultimately make up the doctoral committee.

Successful graduates make a commitment to continuing systematic study of their professional practice and sustaining innovation and leadership by making a positive difference in their local settings. The program aims to enable more thoughtful, intentional and informed leaders who are willing and able to implement and study continuous improvement.

The program makes a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, schools or other organizations, and local communities.

#### **Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

Research (9 credit hours)

Advanced Professional Studies (6 credit hours)

Directed Field-based Study (3 credit hours)

Participation in Leader-Scholar Communities (6 credit hours)

Dissertation (12 credit hours)

Additional Curriculum Information

Students should see the academic unit for an approved course list.

Students register for required research and dissertation hours as part of the Leader-scholar Communities requirement.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives to reach the required 90 credit hours.

#### **Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement

- an academic writing sample
- curriculum vitae
- proof of English proficiency

#### Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reasons for seeking this degree, along with potential problems of practice to serve as a guide for applied research in the program.

GRE scores are not required for admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/edd-leadership-and-innovation/>)

#### Career Opportunities:

Students gain skills in thinking critically about problems of practice, designing and conducting action research, collaborating with teams in leader-scholar communities and leading change in an educational organization. This prepares them to expand or pursue leadership positions in pre-K-12 schools and higher education institutions.

Career examples include:

- community college director
- principal
- superintendent
- teacher leader
- university administrator

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## Leadership and Innovation (Policy and Administration), EdD (TEINPAEDD)

**Online Degree Search Title:** Educational Leadership and Innovation (Policy/Admin), EdD

**Campus:** West

ASU is not currently accepting applications for this program.

#### Program Description:

The EdD program in leadership and innovation is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and edupreneurs or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.

Leader-scholar communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for

the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and making a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program can make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

#### **Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).

required core (15 credit hours)

research core (9 credit hours)

advanced professional studies (15 credit hours)

directed field-based study (3 credit hours)

participation in leader-scholar communities (6 credit hours)

dissertation (12 credit hours)

#### **Admission Requirements:**

The concentration in policy and administration under the doctoral program in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

#### **Contact Information:**

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## **Leadership and Innovation (Teaching), EdD (TEINTEEDD)**

**Online Degree Search Title:** Educational Leadership and Innovation (Teaching), EdD

**Campus:** West

ASU is not currently accepting applications for this program.

#### **Program Description:**

The EdD program in leadership and innovation is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and edupreneurs or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.

Leader-scholar communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and making a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program can make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

**Degree Requirements:**

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).

professional core (15 credit hours)

research core (9 credit hours)

advanced professional studies (15 credit hours)

directed field-based study (3 credit hours)

participation in leader-scholar communities (6 credit hours)

dissertation (12 credit hours)

**Admission Requirements:**

The concentration in leadership of teaching innovation under the doctoral program in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

**Contact Information:**

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## Learning Design and Technologies, MEd (EDTECHMED)

**Online Degree Search Title:** Learning Design and Technologies, MEd

**Campus:** Online

**Program Description:**

The MEd program in learning design and technologies emphasizes the design of learning environments, systems, applications and instructional materials for multiple learning contexts. The program prepares learning design and technology professionals for a variety of formal and informal settings in business, industry, museums, nonprofits, government organizations as well as education settings, such as K-12 schools, colleges or universities.

Through projects that address real-world problems, students apply current research and learning theories, along with the use of existing and emergent technologies, to the practice of learning and instructional design. All courses are online and combine a range of resources and technologies to facilitate direct interaction between students, program faculty and classmates.

Graduates are prepared with the knowledge and skills required to address real-world problems and emerging challenges through the process of learning design.

**Degree Requirements:**

30 credit hours including the required applied project course (EDT 593).

Required Core (24 credit hours)

COE 501 Introduction to Research and Evaluation in Education (3)

EDP 540 Learning Theories and Instructional Strategies (3)

EDT 501 Foundations of Learning Design and Technologies (3)

EDT 502 Design and Development of Instruction (3)

EDT 503 Design of Effective Communications (3)

EDT 504 Modalities of Learning (3)

EDT 506 Evaluation of Learning Systems (3)  
EDT 523 Issues in Online and Distance Education (3)

Elective (3 credit hours)

Culminating Experience (3 credit hours)  
EDT 593 Applied Project (3)

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-education-learning-design-technologies/>)

**Career Opportunities:**

Students gain skills in planning, designing, implementing and evaluating instruction for multiple learning contexts. This prepares students for careers in traditional education, instructional design, corporate training and more.

Career examples include:

- curriculum designer or developer
- distance learning director
- e-learning developer
- instructional designer
- online teacher, mentor or trainer
- technology integration specialist
- training specialist, coordinator, manager or director

**Contact Information:**

Teachers College, Mary Lou Fulton  
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**Learning Sciences, MA (EDPSYCHMA)**

**Online Degree Search Title:** Learning Sciences, MA

**Campus:** Tempe

**Program Description:**

The MA program in learning sciences proceeds from an understanding that learning happens in many places, not just in schools.

This program focuses on the power of design thinking to improve educational systems and provides students with a blend of theoretical insights and practical tools that prepare them to shape learning environments and experiences. The systems-level approach includes cognitive, social and contextual factors and the interactions among them.

Graduates of the program are equipped to design effective learning and teaching systems in a broad range of formal and informal settings that include museums, libraries, workplaces and schools and are well-prepared to become leaders in the development, integration and improvement of these systems.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Educational Studies, BAE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

30 credit hours including the required applied project course (LSE 593), or 30 credit hours, a thesis and a written comprehensive exam.

Required Core (3 credit hours)

LSE 540 Theoretical Views of Learning in the Learning Sciences (3)

Electives or Research (21-24 credit hours)

Culminating Experience (3-6 credit hours)

LSE 593 Applied Project (3) or

LSE 599 Thesis (6)

Additional Curriculum Information

With advisor approval, EDP 540 may be taken in place of LSE 540 for the core requirement.

Students completing an applied project for their culminating experience take 24 credit hours of electives or research courses.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Admission Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program, and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.



**Career Opportunities:**

Students gain skills in facilitating learning using an interdisciplinary approach, drawing upon cognitive science, educational psychology, computer science, anthropology, sociology, information sciences, neurosciences, instructional design and more. This prepares students to expand or pursue a variety of educational careers tailored to their professional goals.

Career examples include:

- educational and interactional designer
- educator in community organization
- educator in educational institution
- training specialist, coordinator, manager or director

**Contact Information:**

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## Learning, Literacies and Technologies, PHD (EDCIPHD)

**Online Degree Search Title:** Learning, Literacies and Technologies, PhD

**Campus:** Tempe

**Program Description:**

The PhD program in learning, literacies and technologies is designed to prepare scholars who can address socially significant educational programs and transform preK-20 educational programs through rigorous research and educational interventions. Graduates rely on transdisciplinary theoretical and methodological perspectives to engage, influence and transform educational institutions and their practices.

Students begin engaging in research studies during their first semester and continue throughout the four-year program. Faculty with diverse disciplinary backgrounds collaborate with doctoral students, individually and in teams, to design powerful studies, implement them in authentic settings, collect and analyze data, write research reports, and present and publish the results.

Academic study and research in the learning, literacies and technologies program focuses on the nature of human learning and literacies across diverse learners and contexts, the use of technologies to support learning, the design of learning environments and the conditions under which learning occurs.

Students develop areas of emphasis with their faculty advisor and doctoral committee members, to work at the cutting edges of educational science, leading the way to innovation and exploration of new technologies and literacies for learning.

Students are expected to engage in the doctoral program full time and are supported by Mary Lou Fulton Teachers College with funding renewable for four years with continued satisfactory progress.

**Degree Requirements:**

85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

core courses (13 credit hours)

specialization courses (12 credit hours)

elective or research courses (12 credit hours)

research (3 credit hours)

internship (3 credit hours)

dissertation (12 credit hours)

**Additional Curriculum Information**

Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the 85 credit hours. In addition, with program and Graduate College approval, a student may use up to 12 additional credit hours toward the doctorate if documentation is provided showing that those credit hours were not part of the master's degree.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All Applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement
- an academic writing sample
- curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

### **Career Opportunities:**

The program graduates educational researchers who serve as scholars, leaders and teacher educators engaged in the design, development and use of literacies and technologies that promote learning. Graduates are stewards of their educational field, working across disciplinary boundaries to address the learning challenges of the new millennium.

Career examples include:

- college program director
- educator
- instructional designer
- instructional specialist
- professor
- researcher
- teacher educator

### **Contact Information:**

Teachers College, Mary Lou Fulton  
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## **Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)**

**Online Degree Search Title:** Online Teaching for Grades K-12 (Graduate Certificate)

**Campus:** Tempe, Online

ASU is not currently accepting applications for this program.

### **Program Description:**

This certificate program prepares educators to design systems for learning in a broad range of organizations and includes practical application of research on learning, design methods and organizational dynamics. Students who complete the certificate program are prepared to be effective members and leaders of teams who redesign education in pre K-20 and other settings.

### **Degree Requirements:**

15 credit hours including the required capstone course (EDT 580).

The certificate requires five courses, each consisting of three credit hours. The culminating experience for this certificate program is an electronic Academic Catalog Archive 2021-2022

portfolio that is completed in EDT 580.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

GRE scores are not required for admission.

Applicants should have at least one year of professional education experience.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TEEDTGRCT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TEEDTGRCT/Gedt.pdf>).

**Contact Information:**

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## Physical Education, MPE (ECPHYEDMPE)

**Online Degree Search Title:** Physical Education, MPE

**Campus:** Polytechnic

**Program Description:**

The MPE program is for students interested in gaining knowledge of current curriculum and instructional and administrative practices and procedures in physical education.

Emphasis is placed on improving instructional effectiveness and developing quality physical education programs in school settings as well as expanded physical activity programming beyond the physical education lessons within school environments. Students learn about designing, implementing and assessing comprehensive school physical activity programs. This type of programming reflects current global trends in promoting physical activity for children, youth, school staff and families in communities surrounding school campuses.

The Master of Physical Education degree program gives candidates the flexibility to design a plan of study that enhances their interests and professional specialization. Students can choose from three track options: the pedagogy research track, a physical endorsement (grades K-12), or an Arizona certification in physical education.

Master of Physical Education and Arizona certification in physical education --- This program provides students with the coursework and practical experiences necessary to become certified to teach physical education in the public schools. The program provides participants an institutional recommendation for an Arizona secondary education (grades 6-12) certification with a physical education endorsement (grades K-12) and the Master of Physical Education degree.

Master of Physical Education with a physical education endorsement (grades K-12) --- This track familiarizes students with the most current trends and issues in school physical education. Students can focus on numerous topics within elementary physical education, secondary physical education and adapted physical education. This track may be of interest to students with a teaching certificate in a different subject area who are interested in a K-12 physical education endorsement.

Master of Physical Education pedagogy research track --- This track is appropriate for students interested in learning more about research on teaching in physical education and other related physical activity settings. This track may be of interest to students who already have a teacher certificate in physical education and are interested in pursuing doctoral studies in the future.

**Degree Requirements:**

33 credit hours including the required applied project course (PPE 593) and a written comprehensive exam.

The Master of Physical Education degree program has three tracks.

Physical Education K-12 Teaching Track: (33 credit hours)

required core (24 credit hours)

electives (6 credit hours)

applied project (3 credit hours)

Physical Education Pedagogy Research Track: (33 credit hours)

required core (24 credit hours)

electives (6 credit hours)

applied project (3 credit hours)

Physical Education Initial Teacher Certification Track: (33 credit hours)\*

required core (24 credit hours)

electives (6 credit hours)

applied project (3 credit hours)

\*additional courses are required for certification

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- IVP Fingerprint Clearance Card issued by the State of Arizona
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency. Applicants should visit <https://admission.asu.edu/international/graduate/english-proficiency> (<https://admission.asu.edu/international/graduate/english-proficiency>) for more information.

The letters of recommendation should be from individuals who can speak to the applicant's qualifications and potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Career Opportunities:**

Students gain skills in teaching, conducting research, leading projects and collaborating in teams which prepare them for educational careers focused on physical activity, health and wellness.

Career examples include:

- coach
- curriculum leader
- educator in community organizations
- educator in educational institutions
- fitness instructor
- teacher

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu>  
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480-727-1103

## Secondary Education (Teacher Certification), MEd (TESCERTMED)

**Online Degree Search Title:** Secondary Education (Teacher Certification), MEd

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West, Online

**Program Description:**

This program is for those who want to become certified to teach grades 6-12 and already have a bachelor's degree in any field.

ASU's MEd program in secondary education builds strong connections between theory and practice through quality classroom instruction paired with extensive professional experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Mary Lou Fulton Teachers College faculty actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further empowers students to engage in their own research through the culminating action research applied project.

A series of professional experiences or field placements are designed to assist students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through the program's clinical framework provides students with the support they need to be successful in today's rapidly evolving educational environment.

The master's degree program in secondary education with teacher certification offers two options for students to earn a master's degree and Arizona teacher certification:

**Master's and Arizona Certification ---** In this program, students take classes at an ASU campus two nights a week and are required to do a field internship one day per week. During the last semester of the MAC program, students complete a full-time teaching residency in their content area.

**Induction, Master's and Arizona Certification ---** The InMAC program provides an alternative pathway to teacher certification for full-time teachers on an Alternative Teaching Certificate. To qualify, individuals must secure a full-time teaching position in an approved content and grade level and pass the appropriate content exam. Participants take classes one night per week and must be continuously enrolled in teaching coursework.

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Humanitarian Engineering), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Degree Requirements:**

33 credit hours including the required applied project course (SED 593).

Required Core (18 credit hours)  
RDG 507 Content Area Literacy (3)  
SED 501 Introduction to Effective Instruction (3)  
SED 522 Secondary School Curriculum Development (3)  
SED 544 Creating Classroom Climates (3)  
SPE 555 Inclusive Practices for Diverse Learners (3)  
TEL 505 American Educational Policy (3)

Track (12 credit hours)

Culminating Experience (3 credit hours)  
SED 593 Applied Project (3)

Additional Curriculum Information

Students select one of two tracks: Masters and Arizona Certification or Intern, Masters and Arizona Certification. Students should see the academic unit for the list of courses required in each track option.

The applied project must be completed during the teaching residency.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Career Opportunities:**

Graduates have the skills in teaching, conducting research, utilizing technology and collaborating in teams which prepare them for educational careers working with learners in grades 6-12.

Career examples include:

- curriculum leader
- high school teacher
- instructional specialist
- middle school teacher

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu>  
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## Special Education, MA (EDSPEDMA)

**Online Degree Search Title:** Special Education, MA

**Campus:** Tempe, Online

This program is not accepting applications at this time. Applicants interested in the MA in Special Education should apply directly to the applied behavior analysis concentration.

### Program Description:

Graduates from the MA program in special education are able to design and deliver education and related services for populations with diverse needs. The skills developed through this degree program include systematic planning for all individuals, support of positive behavior and advocacy for new, research-based approaches to education and related services.

### Degree Requirements:

36 credit hours and a thesis, or 36 credit hours and an applied project, or 36 credit hours, a written comprehensive exam and an oral comprehensive exam.

Required Core (3 credit hours)

SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3) or

SPE 597 Capstone (3)

### Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in education or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

### Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu>

FAB 200

[graduateeducation@asu.edu](mailto:graduateeducation@asu.edu)

480-965-5555

## Special Education (Applied Behavior Analysis), MA (TESPEABAMA)

**Online Degree Search Title:** Special Education (Applied Behavior Analysis), MA

**Campus:** Online

**Program Description:**

The MA program in special education with a concentration in applied behavior analysis combines research and experience to prepare professionals to use principles of ABA with individuals who have special learning and behavior needs. The coursework prepares students to use applied behavior analysis to address a variety of learning and behavior needs across a range of professions and settings. All courses are online, combining an assortment of resources and technologies to provide students the opportunity to interact directly with program faculty and classmates.

Program graduates are well prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members across a variety of settings. Coursework is verified by the Behavior Analyst Certification Board for students interested in sitting for the Board Certified Behavior Analyst examination. BCBA supervised independent fieldwork, required for certification, is arranged and completed by the student separately from their ASU coursework.

**Degree Requirements:**

30 credit hours including the required applied project course (SPE 593), or 30 credit hours including the required capstone course (SPE 597).

Required Core (3 credit hours)

SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

Concentration (18 credit hours)

SPE 526 Concepts and Principles of Applied Behavior Analysis (3)

SPE 527 Behavior Analytic Assessment (3)

SPE 560 Behavior Change Procedures: Implementing Interventions in Behavior Analysis (3) SPE 562 Personnel Supervision and Organizational Behavior Management in Educational Settings (3)

SPE 563 Philosophical Foundations of Applied Behavior Analysis in Educational Settings (3)

SPE 567 Ethics of Applied Behavior Analysis (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3)

SPE 597 Capstone (3)

Additional Curriculum Information

Students may choose to complete a remote supervised independent fieldwork practicum (SPE 580).

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. A degree in education or another field related to applied behavior analysis is preferred.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The personal statement should demonstrate the applicant's goals with respect to the program outcomes and success in a graduate and online program. The statement should also demonstrate high-quality writing and awareness that the student understands the demands of graduate school.

Three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program are required for admission.



**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-special-education-applied-behavior-analysis/>)

**Career Opportunities:**

Professionals with expertise in evidence-based practices in ABA are in high demand across sectors and industries, including education, business and health care.

Career examples include:

- ABA therapist
- behavior specialist
- board-certified behavior analyst
- consultant
- early interventionist
- educator
- organizational behavior management

**Contact Information:**

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[graduateeducation@asu.edu](mailto:graduateeducation@asu.edu)  
602-543-6358

## Special Education (Autism Spectrum Disorder), MA (TESPEASDMA)

**Online Degree Search Title:** Special Education (Autism Spectrum Disorders), MA

**Campus:** Online

**Program Description:**

The MA program in special education with a concentration in autism spectrum disorders prepares graduates to provide important services and care in a variety of roles for children and adults with ASD.

There is increasing demand for professionals who are aware of the issues and needs facing these special individuals, their families and service providers. Program graduates are well-prepared to provide important services and care for individuals with ASD in a variety of roles, including as educators, interventionists, paraprofessionals, psychologists, speech pathologists, therapists or family members.

**Degree Requirements:**

30 credit hours including the required applied project course (SPE 593), or 30 credit hours including the required capstone course (SPE 597).

Required Core (3 credit hours)

SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

Concentration (12 credit hours)

SPE 521 Foundations of Autism Spectrum Disorders (3)

SPE 540 Family-Centered Practices (3)

SPE 541 Consultation Frameworks and Issues (3)

SPE 566 Applied Behavior Analysis in Inclusive Settings (3)

Electives or Research (9 credit hours)

Other Requirement (3 credit hours)

SPE 680 Practicum (3)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3) or

SPE 597 Capstone (3)

Additional Curriculum Information

Each student completes a practicum customized to individual interests and abilities. For the culminating experience, students may elect to complete a capstone experience or applied project, based on personal and professional interest and need.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in education, psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The transcript must show the bachelor's degree already conferred. In-progress bachelor's degrees not accepted.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Career Opportunities:**

Graduates have the specialized skills and knowledge they need to work effectively and compassionately with children and adults, including family members, impacted by autism.

Career examples include:

- community support professional
- educator
- interventionist

**Contact Information:**

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## Special Education (Teacher Certification), MEd (TESECRTMED)

**Online Degree Search Title:** Special Education (Teacher Certification), MEd

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West, Online

**Program Description:**

This program is for those seeking Arizona teacher certification in special education. The MEd program in special education builds strong connections between theory and practice through quality classroom instruction paired with extensive professional experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Mary Lou Fulton Teachers College faculty actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further empowers students to engage in their own research through the culminating action research applied project.

A series of professional experiences or field placements are designed to assist students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through the professional framework provides students with the support they need to be successful in today's rapidly evolving educational environment.

The master's degree program in special education with Arizona teacher certification offers two options for students to earn a master's degree and Arizona teacher certification:

**Master's and Arizona Certification (MAC):** In this program, students take classes at an ASU campus two nights a week and are required to complete daytime field experiences for at least two semesters. During the last semester of the program, students complete a full-time split residency: half the semester in a special education classroom and the other half in an elementary classroom. Students in the MAC program receive dual Arizona teacher certification in the following teaching certificates: Mild-Moderate Disabilities Special Education, K-12 and Elementary Education, grades 1-8. The mild to moderate areas include forms of emotional, behavioral, learning and orthopedic disabilities as well as intellectual disabilities and other health impairments.

**Induction, Master's and Arizona Certification (InMAC):** This program provides an alternative pathway to the Arizona teacher certification Mild-Moderate Disabilities Special Education, K-12, for full-time teachers on the teaching intern certificate. To qualify, individuals must secure a full-time teaching position. The InMAC program also features a partnership with Teach For America. Participants take classes one night per week.

**Degree Requirements:**

33 credit hours including the required applied project course (SPE 593).

Required Core (12 credit hours)

EED 537 Mathematics Methods and Assessment (3)

SPE 501 Introduction to Research and Evaluation in Education (3)

SPE 538 Language and Literacy I (3)

SPE 575 Survey, Issues and Foundations for the Exceptional Student (3)

Track (18 credit hours)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3)

Additional Curriculum Information

Additional credit hours are required for teacher certification and vary by program.

InMAC with single certification: 45 total credit hours

MAC with dual certification: 55 total credit hours

The applied project is completed during the teaching residency.

**Admission Requirements:**

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Career Opportunities:**

Students gain skills in teaching, conducting research, utilizing technology and collaborating in teams which prepare them for educational careers working with diverse learners in grades K-12.

Career examples include:

- educator working in non-school settings
- K-12 special education teacher
- K-8 general education teacher
- special education director

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

ED 118

GraduateEducation@asu.edu

602-543-6358

## Technology for Teaching and Learning (certificate), Certificate (EDEDTTGRCT)

**Online Degree Search Title:** Technology for Teaching and Learning (Graduate Certificate)

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

The graduate certificate in technology for teaching and learning is geared toward classroom teachers who want to become skilled at integrating technology in the curriculum. Students acquire the knowledge and skills needed for meeting the National Education Technology Standards for Teachers, developed by the International Society for Technology in Education and being adopted by the National Council for Accreditation for Teacher Education. The certificate program can be completed within a two-year period.

**Degree Requirements:**

15 credit hours including the required capstone course (EDT 591).

Students must successfully complete four out of a possible six educational technology courses before completing a three credit hour required capstone course.

**Admission Requirements:**

Applications are currently closed.

**Contact Information:**

Teachers College, Mary Lou Fulton

Dean, Mary Lou Fulton Teachers College

<https://education.asu.edu/>

ED 118

GraduateEducation@asu.edu

602-543-6358

# Undergraduate Programs

## Minors (Program Descriptions and Requirements)

### African and African American Studies Minor (LAAFRMIN)

**Campus:** Tempe

**Description:**

The minor program in African and African American studies examines the culture, arts, history, politics, economics and current status of African Americans, Africans and the African Diaspora, especially in the Caribbean, Central America and South America. The goal is to prepare students for lifelong learning, advanced study in a variety of fields, and successful careers and productive public service in an increasingly diverse society.

**Program Requirements:**

The certificate requires completion of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and a grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

Required Core Course -- 3 credit hours

AFR 200: Introduction to Africana Studies (SB & G & H) (3)

Elective Course -- 3 credit hours

AFR 300: Precolonial Africa (SB & G & H) (3)

AFR 301: Race and Racism in Africa/African Diaspora (SB & G) (3)

AFR 302: History of Black Women in America (SB & H) (3)

AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) (3)

Electives -- 12 credit hours

AFR Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in African and African American studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in African and African American Studies can provide knowledge and skills that enable graduates to bring social justice concerns to a variety of professional careers, including law, education, public service, and human welfare and social work.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation

<https://sst.asu.edu/african-and-african-american-studies>

NVS1 310AA

SSTadvising@asu.edu

## American Indian Studies Minor (LAAISMIN)

**Campus:** Tempe

### **Description:**

The minor in American Indian studies is designed for students interested in developing an understanding of American Indian issues and analyzing issues through critical inquiry.

### **Program Requirements:**

The minor in American Indian studies requires 18 credit hours. At least 12 hours must be upper-division coursework, and all courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 9 credit hours

AIS 180: Introduction to American Indian Studies (C) (3)

AIS 285: Federal Indian Policy (H & C) (3)

AIS 380: Contemporary Issues of American Indian Nations (C) (3)

Electives (select three) -- 9 credit hours

AIS 320: American Indian Philosophies and World Views (HU & C) (3)

AIS 360: Issues in Urban Indian Country (C) (3)

AIS 381: American Indian Women (C) (3)

AIS 385: Entrepreneurship for American Indian Sustainability (3)

AIS 440: Cultural Professionalism (C) (3)

AIS 455: Human Rights and Cultural Resource Laws (3)

AIS 470: Tribal Governance (3)

AIS 480: Actualizing Decolonization (HU & C & G) (3)

AIS 484: Internship (3)

AIS 499: Individualized Instruction (3)

ENG 359: Indigenous American Literature ((L or HU) & C) (3)

HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)

HST 338: American Indian History since 1900 ((HU or SB) & C & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in American Indian studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor can alone can provide.

A minor in American Indian studies can help students as they pursue careers in Native communities, with tribes and organizations.

### **Contact Information:**

Liberal Arts and Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>

## American Studies Minor (ASAMSMIN)

**Campus:** West

### **Description:**

The American studies minor gives students the opportunity to pursue an interest in the interdisciplinary study of American culture. This minor is particularly appropriate for students majoring in humanities or social sciences disciplines.

### **Program Requirements:**

The minor in American studies consists of 18 credit hours. A minimum of 6 credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Credit hours may not be shared between major and minor requirements. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

AMS 201: Introduction to American Studies (L & C) (3)

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Upper Division Electives -- 12 credit hours

AMS 326: Popular Culture (3)

AMS 330: American Lives (HU & C) (3)

AMS 334: Class in America (SB) (3)

AMS 336 / ENG 334 / ETH 334: The American Southwest in Literature and Film ((L or HU) & C) (3)

AMS 353 / ENG 353 / ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

AMS 354 / ENG 354 / ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)

AMS 380 / ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)

AMS 412: Studies in American Politics & Law (H) (3)

AMS 428 / ETH 428 / LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)

AMS 449 / ETH 449 / WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)

AMS 450 / ETH 450 / LAS 450: Latina/os, Schooling and Social Inequality (C) (3)

AMS 469 / ETH 469 / WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)

ENG 337: Major American Novels (L or HU) (3)

HST 320: U.S. Urban History since 1850 (SB & H) (3)

HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)

HST 413: Contemporary America ((L or SB) & H) (3)

HST 419 / LAS 419: 20th Century Chicano/a History (C) (3)

REL 321: Religion in America ((L or HU) & C & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in American studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

The minor in American studies is an ideal preparation for students seeking employment in the following careers:

- archivist
- copy writer
- editor
- high school teacher
- historian
- history professor
- journalist
- lawyer
- middle school teacher
- museum curator
- political analyst

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
 School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/american-studies-minor>  
 FAB N100  
 harcsadvising@asu.edu  
 602-543-3000

**Anthropology Minor (LAASBMIN)**

**Campus:** Tempe, Online

**Description:**

Coursework in anthropology complements many majors and provides critical thinking skills for any career field that requires understanding human behavior and its motivations, including medicine, marketing, business, consulting and human resources.

A minor in anthropology completes the academic experience by focusing on the lessons and people that make human societies so interesting and challenging to understand, both in the past and in modern times.

A focus in evolutionary anthropology is perfect for a premedical track where a broad evolutionary perspective is important for understanding disease processes. A focus in sociocultural anthropology provides understanding of human interaction and how social groups function.

Anthropological training provides a competitive advantage in the workforce as students learn how to problem-solve creatively and better understand themselves and others.

**Program Requirements:**

The anthropology minor requires a minimum of 18 credit hours, at least 12 of which must be upper-division. Only courses completed with a grade of "C" (2.00 on a 4.00 scale) can be used to fulfill minor requirements.

The minor in anthropology is also available in an online format to complement the studies of ASU Online students.

Required Introductory Courses (choose two) -- 6 credit hours

ASB 102: Introduction to Cultural Anthropology (SB & G) (3)

ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) (3)

ASM 104: Bones, Stones, and Human Evolution (SB or SG) (4)

Upper-Division Subfield Courses -- 12 credit hours

Students choose 12 upper-division credit hours from the subfields of archaeology, evolutionary anthropology and sociocultural anthropology (including linguistics). The particular required introductory courses selected may limit the courses available for use as subfield courses. At least two of the three subfields must be represented. (12)

Archaeology Subfield

ASB 301 / HST 301: Global History of Health (SB & G & H) (3)

ASB 326: Human Impacts on Ancient Environments (SB & H) (3)

ASB 330: Understanding Archaeology (SB) (3)

ASB 333: Frauds, Myths and Mysteries ((HU or SB) & G) (3)

ASB 335: Ancient Ruins of the Southwest (SB & H & C) (3)

ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H) (3)

ASB 361: Human Cultural Beginnings (H) (3)

ASB 362: People and Plants (3)

ASB 366 / AFR 366: African Archaeology: Precolonial Urban Culture (SB & H) (3)



ASB 368: Hunter-Gatherers (SB) (3)  
ASB 490: Earliest Cities (SB & H) (3)  
ASM 338: Bioarchaeology and the Human Skeleton (9)  
ASM 338: Field Archaeology & Geophysical Testing (9)  
ASM 350: Geoarchaeology (3)  
ASM 365: Doing Archaeology (3)  
ASM 450: Bioarchaeology (SB & G) (3)  
ASM 494: Archaeoinformatic Methods for Fieldwork (3)

#### Physical Subfield

ASB 301 / HST 301: Global History of Health (SB & G & H) (3)  
ASB 368: Hunter-Gatherers (SB) (3)  
ASB 394: Modeling Simulation Neglected Tropical Diseases (3)  
ASB 408: Advanced Evolutionary Medicine (3)  
ASB 494: Applied Epidemiology (3)  
ASB 494: Maternal and Child Health (3)  
ASB 494: Reproductive Ecology (3)  
ASM 301: Peopling of the World (SB) (3)  
ASM 313: Great Adaptations (3)  
ASM 332: Life and Death in Ancient Egypt (3)  
ASM 338: Bioarchaeology and the Human Skeleton (9)  
ASM 341: Human Osteology (4)  
ASM 342 / BIO 327: Evolution of Human Behavior (3)  
ASM 344: Fossil Hominids (4)  
ASM 345: Disease and Human Evolution (3)  
ASM 394: Evolution and Medicine Visiting Speaker Recitation (1)  
ASM 401: Health and Human Biology (3)  
ASM 403: Evolutionary Medicine and Global Health (3)  
ASM 443: Primatology (3)  
ASM 446 / BIO 446: Principles of Human Genetics (L) (3)  
ASM 450: Bioarchaeology (SB & G) (3)  
ASM 452: Dental Anthropology (SG) (4)  
ASM 456: Infectious Disease and Human Evolution (3)  
ASM 459: Forensic Anthropology (3)  
ASM 460: Human Growth and Development: An Evolutionary Perspective (3)  
ASM 465: Quantification and Analysis for Anthropologists (CS) (3)  
ASM 494: Bayesian Statistics in Theory and Practice (3)  
ASM 494: Evolution and Mental Disorders (3)  
ASM 494: Evolution of Technology (3)  
ASM 494: Models in Social Evolution (3)  
ASM 494: Social Complexity (3)

#### Sociocultural Subfield

ASB 300: Food and Culture ((L or SB) & C) (3)  
ASB 302: Ethnographic Field Study ((L or SB) & G) (3)  
ASB 305: Poverty and Global Health ((L or SB) & G) (3)  
ASB 310 / AFR 300: Precolonial Africa (SB & G & H) (3)  
ASB 311: Principles of Social Anthropology (SB & G & H) (3)  
ASB 316: Money and Culture (L or SB) (3)  
ASB 319: The North American Indian (3)  
ASB 322: Peoples of Latin America ((L or SB) & G) (3)  
ASB 325: Peoples of Southeast Asia (G) (3)  
ASB 327: Disaster! ((L or SB) & C) (3)  
ASB 336 / AFR 336: African Art (HU & G) (3)  
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)  
ASB 340 / SOC 328: Migration and Culture (SB & G) (3)  
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)  
ASB 343 / PUP 343 / SOS 343 / TCL 343: Latinas/os and the Environment (3)  
ASB 344 / SOC 334: Technology and Society (L or SB) (3)  
ASB 345: Culture and Society Transformation (3)  
ASB 346: Marriage and Family Diversity (SB & C) (3)  
ASB 348: The Borders of Language (L) (3)  
ASB 350: Anthropology and Art (HU) (3)  
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)

ASB 355: Traditional Medicine and Healing (HU or SB) (3)  
ASB 356 / GCU 356 / POS 354 / SBS 356 / SOC 356: Central American Studies (SB & G) (3)  
ASB 357: Society, Drugs and Health (SB & G) (3)  
ASB 358 / AFR 358: The Yoruba and the Atlantic World (3)  
ASB 370 / SOS 370: Ethics of Eating (L or SB) (3)  
ASB 371 / HST 371 / SLC 371 / SPA 371 / TCL 371: Language Hegemony and Culture (3)  
ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)  
ASB 375 / SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G) (3)  
ASB 376: Global Health Policy (3)  
ASB 378 / TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) (3)  
ASB 380: Language, Culture and Gender (SB) (3)  
ASB 389 / SBS 389 / SOC 389: Ethnographic Field Lab (1)  
ASB 394: Statistics for Social Scientists (3)  
ASB 412: History of Anthropology (L or SB) (3)  
ASB 421: Education and Society (SB) (3)  
ASB 442 / SBS 460: Global Cities (SB & G) (3)  
ASB 443 / SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) (3)  
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)  
ASB 452: Community Partnerships for Global Health (SB) (3)  
ASB 455: Practicum for Social Sciences (SB) (3)  
ASB 457: Global Mental Health ((L or SB) & G) (3)  
ASB 462: Medical Anthropology: Culture and Health (SB & C) (3)  
ASB 463 / SOS 463 / TCL 443: Political Ecology of the Border (SB & G) (3)  
ASB 464 / TCL 444: The Ethnography of Mexico and the Borderlands (SB & G) (3)  
ASB 466 / AFR 466: Peoples and Cultures of Africa (SB & G) (3)  
ASB 494: Ethnography of Schooling in the Borderlands (3)  
ASB 494: Facing Immigration (3)  
ASB 494: Facing Immigration II (3)  
ASM 414: Environmental Health (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in anthropology; BS in anthropology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources

- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- teaching

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
 SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
 480-965-6215

## Applied Biological Sciences Minor (TSABSMIN)

**Campus:** Polytechnic

**Description:**

The applied biological sciences minor is a rigorous and practical program that can help students understand the interrelationships between evolution, natural history and the conservation of plants and animals. Consistent with a polytechnic vision, this minor involves extensive student interaction with faculty through experience-based learning activities, including:

- faculty-guided research and service-learning projects
- field trips
- internships
- laboratories

Mastery of fundamental biological principles is emphasized through quality learning in the classroom and hands-on activities in laboratories and in outdoor settings that include the Sonoran Desert, surrounding ecosystems and the landscape of the greater Phoenix area.

**Program Requirements:**

The applied biological sciences minor consists of 23 credit hours. Students must complete 15 credit hours in courses offered by the College of Integrative Sciences and Arts.

Required Courses -- 8 credit hours

BIO 181: General Biology I (SQ) (4)

BIO 182: General Biology II (SG) (4)

Electives -- 15 credit hours

ABS Elective (6)

ABS Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: All applied biological sciences, biological sciences or biology majors at ASU

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in applied biological sciences can help students as they pursue graduate study in professional programs like medicine, health or veterinary studies.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Applied Computing Minor (ASACOMIN)

**Campus:** West

**Description:**

The minor in applied computing combines technical computing skills with an understanding of the impact of computer science in real-world contexts.

Coursework in the applied computing minor provides a depth of knowledge in databases, networks and systems and gives students from other disciplines a computational component to their major field of study.

Computational and problem-solving skills are in demand in a multitude of career fields including cybersecurity, web administration, business, government, education, science, medicine and telecommunications.

The program is offered by the School of Mathematical and Natural Sciences.

**Program Requirements:**

The minor in applied computing consists of 15 credit hours. At least nine credit hours must be upper-division. Six upper-division credit hours must be taken from classes offered by the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 15 credit hours

ACO 201: Data Structures and Algorithms (CS) (3)

ACO 240: Introduction to Programming Languages (3)

ACO 320: Database Systems (3)

ACO 330: Computer Networks (3)

ACO 350: Systems Programming (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in applied computing; BS in applied computing (cybersecurity); BS in computational forensics

Other Enrollment Requirements: A "C" or better is required in ACO 102 Object-Oriented Programming and MAT 210 Brief Calculus in order to enroll in the required minor course, ACO 201.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

The applied computing curriculum provides a solid background for employment as:

- computer network administrator
- computer network technician
- computer programmer
- computer systems analyst
- database administrator
- information security analyst
- information technology manager
- software developer
- software engineer
- web developer

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/applied-computing-minor>  
FAB N100  
MNSadvising@asu.edu  
602-543-3000

## Applied Ethics Minor (ASAPETHMIN)

**Campus:** West

**Description:**

Students pursuing the applied ethics minor have the opportunity to develop their critical thinking, reading and writing capacities while exploring philosophy and ethical theory. They also have the opportunity to do so in a manner that explicitly complements their major by focusing on one of the minor's track options. This program provides students an opportunity to gain a humanistic perspective on a nonhumanities field of study, such as health sciences, business and computer science, thereby adding nuance and depth to their educational experience.

**Program Requirements:**

The minor in applied ethics consists of 18 credit hours; a minimum of 12 credit hours must be upper-division. At least six upper-division credit hours must be taken in the School of Humanities, Arts and Cultural Studies. Program requirements include nine credit hours of required courses and nine credit hours in one chosen track: Bioethics; Environmental Ethics; Business Ethics; Social Sciences and Ethics; Religion and Ethics; or General Ethics. All courses used to fulfill the requirements of this minor must be passed with a "C" (2.00) or better.

Required Courses -- 9 credit hours

- IAS 406 / PHI 406 / FOR 406: Moral Dilemmas (L or HU) (3)
- PHI 105: Intro to Ethics (HU) (3)
- PHI 306: Applied Ethics (HU) (3)

Applied Ethics Elective Tracks -- 9 credit hours

Select 9 credit hours from one of the tracks below: (9)

Bioethics Track

- IAS 340 / PHI 320 / BIO 312: Bioethics (HU) (3)
- LSC 362: The Human Environment (3)
- LSC 363: Genes, Race, Gender, and Society (L) (3)
- PHI 120: Introduction to Medical and Bioethics (HU) (3)
- PHI 494 / REL 494: Issues in Death & Dying (3)
- PSY 447: Psychology of Aging (SB) (3)
- SOC 400: Perspectives on Aging (SB) (3)

Environmental Ethics Track

- IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)
- IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)
- LSC 362: The Human Environment (3)
- LSC 394: Environmental Disasters (3)
- PHI 310 / BIO 324: Environmental Ethics (HU) (3)

Business Ethics Track

Required:

PHI 360: Business and Professional Ethics (HU) or LES 305: Business Law and Ethics for Managers (3)

**Electives:**

ACO 402 / CIS 402: Privacy, Ethics and Compliance Issues (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)

IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)

LES 305: Business Law and Ethics for Managers (3)

PHI 360: Business and Professional Ethics (HU) (3)

POS 300: Contemporary Global Controversies (SB & G) (3)

**Social Sciences and Ethics Track**

ENG 401: Topics in Critical Theory (3)

PHI 304: Existentialism (HU) (3)

PHI 307: Philosophy of Law (HU) (3)

IAS 417 / PHI 417: Philosophy of Censorship (L or HU) (3)

PHI 439: Philosophy of Love and Sex (3)

PHI 494 / REL 494: Issues in Death & Dying (3)

PSY 447: Psychology of Aging (SB) (3)

SOC 400: Perspectives on Aging (SB) (3)

**Religion and Ethics Track**

IAS 430: Science and Religion (L or HU) (3)

PHI 421: The Ethics of Belief (3)

PHI 494 / REL 494: Issues in Death & Dying (3)

REL 321: Religion in America ((L or HU) & C & H) (3)

REL 381: Religion and Moral Issues (L or HU) (3)

REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)

**General Ethics Track**

ENG 401: Topics in Critical Theory (3)

IAP 222: Games and Ethics (3)

IAS 340 / PHI 320 / BIO 312: Bioethics (HU) (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)

IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)

IAS 417 / PHI 417: Philosophy of Censorship (L or HU) (3)

IAS 430: Science and Religion (L or HU) (3)

PHI 120: Introduction to Medical and Bioethics (HU) (3)

PHI 303 / REL 300: The Future of Religions (L or HU) (3)

PHI 304: Existentialism (HU) (3)

PHI 307: Philosophy of Law (HU) (3)

PHI 310 / BIO 324: Environmental Ethics (HU) (3)

PHI 360: Business and Professional Ethics (HU) (3)

PHI 421: The Ethics of Belief (3)

PHI 439: Philosophy of Love and Sex (3)

PHI 494 / REL 494: Issues in Death & Dying (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in philosophy, religion and society

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor in applied ethics can help students toward their career goals in the health sciences, law, business, technology, ministry, journalism, counseling, politics or education.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/applied-ethics-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Applied Mathematics Minor (ASAPMMIN)

**Campus:** West

**Description:**

Mathematical modeling is a fundamental tool of modern science and engineering, in which a firm grasp of the underlying processes in a system is synthesized into quantitative predictions. A minor in applied mathematics provides students the mathematical language required to analyze existing models and to produce new models for new questions.

The foundational tools in this applied mathematics minor are calculus, differential equations and linear algebra. When combined, these concepts provide a powerful new lexicon that unlocks the majority of models throughout science and engineering. Upper-level electives grant students in the applied mathematics minor the opportunity to focus in specialty areas such as the study of chaos, mathematical biology, partial differential equations or optimization. Expertise in these areas is becoming increasingly important for students who expect to participate in careers requiring analysis or modeling of real-world situations.

**Program Requirements:**

The minor in applied mathematics consists of 20 credit hours, of which nine must be upper-division. A minimum of six credit hours must be taken through courses offered by the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required -- 14 credit hours

MAT 271: Calculus with Analytic Geometry II (MA) (4)  
MAT 272: Calculus with Analytic Geometry III (MA) (4)  
MAT 275: Modern Differential Equations (MA) (3)  
MAT 343: Applied Linear Algebra (3)

Electives -- 6 credit hours

MAT 300: Mathematical Structures (L) (3)  
MAT 350: Techniques and Applications of Applied Mathematics (3)  
MAT 371: Advanced Calculus I (3)  
MAT 421: Applied Computational Methods (CS) (3)  
MAT 451: Mathematical Modeling (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in applied mathematics; BA or BS in mathematics; BS in applied mathematics for the life and social sciences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

Students should contact their academic advisor for more information.

### **Career Opportunities:**

Career opportunities for a student with a minor in applied mathematics include:

- bioinformatics scientist
- business intelligence analyst
- clinical data manager
- mathematician, statistician, biostatistician
- molecular and cellular biologist
- natural science manager
- secondary school teacher
- water resource specialist

### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/programs/minor/applied-mathematics>  
FAB N101  
mnsadvising@asu.edu  
602-543-3000

## **Applied Mathematics Minor (LSAPMMIN)**

**Campus:** Polytechnic

### **Description:**

The minor in applied mathematics in the College of Integrative Sciences and Arts enables students to understand and apply mathematics most commonly used in the fields of business, economics, engineering, physics, computer sciences, life sciences, social sciences and sustainability. The minor is recommended for students who plan to major in these diverse fields, are preparing for further graduate study or who wish for increased employment options.

The coursework explores the study of advanced applied mathematical topics with an emphasis on applied sciences. Students with a minor in applied mathematics learn to use theories and techniques, such as mathematical modeling, computational methods and statistics to resolve practical, real-world problems.

### **Program Requirements:**

The applied mathematics minor consists of 21 credit hours, of which 12 must be upper-division. At least 12 credit hours of MAT courses must be offered by the College of Integrative Sciences and Arts, of which at least six credit hours must upper-division. A minimum of 15 credit hours of the minor must be earned at ASU.

Required Courses -- 12 credit hours

- MAT 266: Calculus for Engineers II (MA) or MAT 271: Calculus with Analytic Geometry II (MA) (3-4)
- MAT 267: Calculus for Engineers III (MA) or MAT 272: Calculus with Analytic Geometry III (MA) (3-4)
- MAT 275: Modern Differential Equations (MA) (3)
- MAT 343: Applied Linear Algebra (3)

Electives (choose three courses) -- 9 credit hours

- MAT 300: Mathematical Structures (L) (3)
- MAT 310: Introduction to Geometry (3)
- MAT 495: Undergraduate Research or MAT 499: Individualized Instruction (3-4)
- PHY 302: Mathematical Methods in Physics II (3)
- STP 420: Introductory Applied Statistics (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00



Incompatible Majors: BA in applied mathematics

Other Enrollment Requirements: MAT 265 or 270 with a "C" or better.

The minor in applied mathematics is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and to be recognized in their particular major.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in applied math can help students use mathematical modeling and computational methods as they pursue careers in biology, natural science management or pathology.

#### **Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## **Arabic Studies Minor (LAARBMIN)**

**Campus:** Tempe

#### **Description:**

The minor program in Arabic studies provides students with instruction in Modern Standard Arabic as well as Arab culture and literature. Students completing the prescribed coursework are expected to be able to communicate effectively in Arabic and interact with native speakers of the language as well as reading authentic material in Arabic and writing paragraphs in Modern Standard Arabic.

Literature courses expand students' knowledge in Arabic, the Middle East and Islamic culture and civilization. Students of all academic disciplines doing research or seeking employment in areas related to the Middle East or other parts of the Arab world will find the minor in Arabic highly beneficial.

Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Students should visit <https://mystudyabroad.asu.edu> (<https://mystudyabroad.asu.edu>) for more information.

#### **Program Requirements:**

The minor in Arabic studies requires 28 credit hours of courses detailed below. A minimum grade of "C" (2.00 on a 4.00 scale) or better is required in each course. Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 25 credit hours

ARB 201: Intermediate Arabic I (G) (5)

ARB 202: Intermediate Arabic II (G) (5)

ARB 311: Advanced Arabic Skills I (3)

ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)

ARB 341: Quran Text and Women (HU & H) or ARB 351: Classical Arabic Literature (HU & G) (3)

ARB 352: Modern Arabic Literature in Translation (HU & G) or ARB 422: Advanced Arabic Media (G) (3)

ARB 411: Advanced Arabic Skills II (G) (3)

Related Area (choose one) -- 3 credit hours

AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G) (3)

AFR 373: Islam and World Affairs (G) (3)

AFR 480: Different Voices Within Contemporary Islamic Discourse (3)

ARB 321: Arabic Conversation I (3)

ARB 335: Arabic Culture and Islam (G) (3)  
ARB 336: Introduction to the Qur'an (G) (3)  
ARB 337: Hadith and Prophetic Tradition (HU & H & G) (3)  
ARB 340: Arabic Translation (3)  
ARB 341: Quran Text and Women (HU & H) (3)  
ARB 351: Classical Arabic Literature (HU & G) (3)  
ARB 352: Modern Arabic Literature in Translation (HU & G) (3)  
ARB 360: Islamic Philosophical Literature (3)  
ARB 394: Colloquial Arabic: Levantine (3)  
ARB 421: Arabic Conversation II (3)  
ARB 422: Advanced Arabic Media (G) (3)  
ARB 427: Arabic Prose: Reading the Arabian Nights (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
REL 365: Islamic Civilization (HU & H) (3)  
REL 366: Islam in the Modern World (HU & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in international letters and cultures (Arabic studies)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor enables students to enhance the marketable skills and knowledge they acquire in their major program and to also develop additional competencies.

A minor in Arabic studies helps students with communication and cultural competency skills as they pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Architectural Studies Minor (ARSTDMIN)

**Campus:** Tempe

**Description:**

This minor program in architectural studies provides an overview of architecture throughout history while focusing on architectural design, and it provides students opportunities to explore and apply architectural thinking.

**Program Requirements:**

A minimum of 18 credit hours (including nine credit hours of upper-division coursework) are required for the minor. A minimum grade of "C" (2.00) is required in all classes for the minor.

A minimum GPA of 2.50 in minor courses is required to earn the minor in architectural studies.

Lower Division Options -- 9 credit hours  
ARC OR ALA Elective (9)

Upper Division Options -- 9 credit hours  
ARC OR APH OR ATE Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BSD in architectural studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://herbergerinstitute.asu.edu/degree-programs>  
CDN 162  
herbergeradvising@asu.edu  
480-965-4495

## Art History Minor (FAARTHMIN)

**Campus:** Tempe, Online

**Description:**

The art history minor is designed for students who are interested in a broad introduction to the study of the history of art. In giving students substantial chronological exposure to the history of art from diverse cultures, the minor program strengthens their academic preparation. Students are able to select courses based on their individual interests.

A minor in art history, especially in conjunction with a major in another field, enhances opportunities for future graduate study.

**Program Requirements:**

The School of Art offers a minor in art history consisting of 18 credit hours of coursework, including 12 upper-division electives. A minimum grade of "C" (2.00) is required in all courses for the minor. For those pursuing a minor, a minimum overall GPA of "C" (2.00) is required. Courses may not be double counted in a major and the minor, and a minimum of 12 credit hours of resident credit at ASU are required.

ARS 100 and ARS 300 may not be used toward an art history minor if the student has credit in ARS 101 and ARS 102. If a student has completed ARS 100 or ARS 300, then they must complete ARS 201 and ARS 202 instead of ARS 101 and 102.

Core Courses -- 6 credit hours

ARS 101: Art from Prehistory Through Middle Ages (HU & H) (3)

ARS 102: Art from Renaissance to Modernism (HU & H) (3)

Art History Upper Division Courses -- 12 credit hours

ARS Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this

minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in art (art history)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in art history can help students as they pursue careers in design fields, anthropology, archaeology, cultural criticism and the curatorial practices of museums.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art

<https://art.asu.edu/degree-programs/art-history-museum-studies?dept=160344&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Asian Languages (Chinese) Minor (LACHIMIN)

**Campus:** Tempe

**Description:**

Students pursuing the minor in Asian languages with a focus in Chinese gain an understanding of the language, literature and cultures of China. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience.

Highly motivated students interested in learning Chinese to professional-level proficiency while simultaneously pursuing the Asian languages minor with a focus in Chinese and undergraduate major of their choice are encouraged to apply to the Chinese Language Flagship Program: <https://silc.asu.edu/chineseflagship> (<https://silc.asu.edu/chineseflagship>).

**Program Requirements:**

The minor in Asian languages (Chinese) consists of 18 credit hours, of which 12 credit hours must be upper-division.

Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 10 credit hours

CHI 301: Third-Year Chinese I (G) (5)

CHI 302: Third-Year Chinese II (G) (5)

CHI Electives -- 8 credit hours

CHI 201: Second-Year Chinese I (G) AND CHI 202: Second-Year Chinese II (G) or CHI 210: Intensive Chinese II (6)

Notes: CHI 201 and CHI 202 grant 5 credit hours each. The extra 4 credits earned will be applied to the minimum 120 credit hours needed for graduation. Students may opt to take CHI 210 Intensive Chinese II, an 8 credit hour course equivalent to CHI 201 and CHI 202. The extra 2 credits earned will be applied to the minimum 120 credit hours for graduation.

CHI 307: Introduction to Literary Chinese I (HU) (3)

CHI 308: Introduction to Literary Chinese II (HU) (3)

CHI 321: Chinese Literature (HU) (3)

CHI 322: Chinese Literature (HU & G) (3)

CHI 333: China (SB & H) (3)  
CHI 336: Interpreting China's Classics ((L or HU) & H) (3)  
CHI 338: The Daoist Bible: The Daode jing (L or HU) (3)  
CHI 345: Chinese Film and Civilization (3)  
CHI 348: Pathways into Chinese Culture (3)  
CHI 380: The Chinese Language (3)  
CHI 401: Fourth-Year Chinese I (G) (3)  
CHI 402: Fourth-Year Chinese II (G) (3)  
CHI 407: Chinese for Academic and Professional Purposes I (G) (3)  
CHI 408: Chinese for Academic and Professional Purposes II (G) (3)  
CHI 451: Chinese Cultural History I ((HU or SB) & H) (3)  
CHI 452: Chinese Cultural History II (SB & G & H) (3)  
CHI 470: Modern Chinese Literature and Culture (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Asian languages (Chinese); BA in Asian languages (Chinese) --- Chinese flagship; BA in business (Chinese language and culture)

Other Enrollment Requirements: None

Students who wish to add a minor in Asian Languages with a focus in Chinese to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor enables students to enhance the marketable skills and knowledge they acquire in their major program and to also develop additional competencies.

A minor in Chinese studies helps students with communication and cultural competency skills as they pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Asian Languages (Japanese) Minor (LAJPNMIN)

**Campus:** Tempe

**Description:**

Students pursuing the minor in Asian languages with a focus on Japanese gain an understanding of the language, literature and cultures of Japan.

There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education. Students should go to <https://mystudyabroad.asu.edu> (<https://mystudyabroad.asu.edu>) for more information.

**Program Requirements:**

The minor in Asian languages (Japanese) consists of 18 credit hours, of which 12 credit hours must be upper-division. Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 9 credit hours

JPN 301: Third-Year Japanese I (G) (3)

JPN 302: Third-Year Japanese II (G) (3)

JPN 333: Japanese Civilization from the Ice Age to Last Thursday (3)

Elective Courses -- 9 credit hours

JPN 309: Japanese Oral Communication I (<https://webapp4.asu.edu/catalog/courselist?s=JPN&l=200-299&t=2217&hon=F>) > JPN 2\*\* Elective (6)

Notes: JPN 201 (5 credit hours) and JPN 202 (5 credit hours) or JPN 210 (8 credit hours) are prerequisites to JPN 300-level language courses. A maximum of six credit hours of the JPN 200-level electives or prerequisite courses may be applied to the Japanese minor. Any remaining credit hours from the JPN 200-level courses will be applied to the 120 credit hours minimum for graduation.

(3)

JPN 310: Japanese Oral Communication II (3)

JPN 311: Japanese Composition I (G) (3)

JPN 394: Special Topics (3)

JPN 401: Reading Modern Japanese Texts I ((L or HU) & G) (3)

JPN 414: Introduction to Classical Japanese (3)

JPN 415: Advanced Classical Japanese (3)

JPN 445: Readings in Modern Japanese Letters and Culture (3)

JPN 485: Japanese Literature and the Art of Translation (3)

JPN 492: Honors Directed Study or JPN 493: Honors Thesis (L) (3)

JPN 494: Special Topics (3)

JPN 499: Individualized Instruction (3)

SLC 421: Japanese Literature in Translation ((L or HU) & G) (3)

Notes: A maximum of 3 credit hours of SLC 421 may be applied to the Japanese minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Asian languages (Japanese)

Other Enrollment Requirements: None

Students who wish to add a minor in Asian Languages with a focus on Japanese to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

A minor enables students to enhance the marketable skills and knowledge they acquire in their major program and to also develop additional competencies.

A minor in Japanese studies helps students with communication and cultural competency skills as they pursue careers fields such as these:

- diplomacy
- education
- entertainment
- foreign service
- international business
- marketing
- military
- political analysis

- sociology
- science and technology
- teaching
- tourism and hospitality

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
 LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
 480-965-6281

**Asian Pacific American Studies Minor (LAAPAMIN)**

**Campus:** Tempe

**Description:**

The Asian Pacific American studies minor program prepares students to address issues of justice, equity and access at the intersections of citizenship, race and ethnicity, gender and sexuality, class and culture and to identify actions and solutions based in community experiences and community-based research across multiple disciplines. Students have the opportunity to work with a dedicated faculty committed to community-engaged research and student-centered learning.

The program educates students in social justice, the global causes and impacts of Asian and Pacific Islander migration, relational and comparative racial formations, and ethnic studies movements that have made and continue to make a difference in society for all people. The interdisciplinary faculty (<https://sst.asu.edu/apas-faculty?dept=95886&id=1>) (<https://sst.asu.edu/apas-faculty?dept=95886&id=1>) comprises expertise in critical ethnic studies, diaspora and globalization, U.S imperialism and settler colonialism, social networks, immigration, interracial and interethnic relations, and the health and well-being of Asian Pacific American families and communities.

The Asian Pacific American studies program is housed in ASU's interdisciplinary School of Social Transformation, the only school of its kind in the United States.

**Program Requirements:**

The minor in Asian Pacific American studies requires a total of 18 credit hours, including six credit hours of core courses and 12 elective credit hours selected from courses with the APA subject. A minimum of nine credit hours must be taken in residency at ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

A minimum of nine credit hours must be upper-division coursework. No course may be used to satisfy more than one requirement in the minor.

**Required Core Courses -- 6 credit hours**

- APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C) (3)
- APA 360: Asian Pacific American Experience ((HU or SB) & C) (3)

**Electives (choose four) -- 12 credit hours**

- APA 210: Introduction to Ethnic Studies in the U.S. (C) (3)
- APA 310: Asian Pacific American Arts and Cultures (HU & C) (3)
- APA 315: Asian Pacific American Literature (HU & C) (3)
- APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)
- APA 340: Asian Pacific Americans and Media (HU & C) (3)
- APA 345: Asian Pacific Americans and Film (HU & C & H) (3)
- APA 360: Asian Pacific American Experience ((HU or SB) & C) (3)
- APA 450: Asian Pacific American Contemporary Issues (SB & C) (3)
- APA 484: Internship (3)
- APA 499: Individualized Instruction (3)

APA 360 Asian Pacific American Experience is required for the core. The course may be repeated for APA elective credit if taken with different topic titles.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in Asian Pacific American studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. Those with a minor in Asian Pacific American studies are able to bring specialized knowledge and skills pertaining to social justice concerns to a variety of professional careers, including law, education, public service, and human welfare and social work.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/graduate/minor-asian-pacific-american-studies>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## **Astronomy Minor (LAASTMIN)**

**Campus:** Tempe, Online

#### **Description:**

The astronomy minor is designed for students interested in developing a basic understanding of astronomy and astrophysics and analyzing issues through a scientific viewpoint.

#### **Program Requirements:**

The minor in astronomy consists of a minimum of 23 credit hours, of which at least 12 credit hours must be upper-division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 6 credit hours

AST 321: Introduction to Planetary and Stellar Astrophysics (3)

AST 322: Introduction to Galactic and Extragalactic Astrophysics (3)

Physics Core -- 8 credit hours

Student must complete two semesters of physics.

PHY 150: Physics I (SQ) or PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) (4)

PHY 151: Physics II (SQ) or PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) or

PHY 252: Physics III (SQ) (4)

Electives -- 9 credit hours

Nine upper-division credit hours of electives are chosen in consultation with an academic advisor in the School of Earth and Space Exploration.

AST OR MAT OR PHY OR SES Upper Division Elective (9)

In order to satisfy SQ natural science general studies requirements, both a lecture and its corresponding laboratory section must be completed. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Incompatibles Majors: BS in earth and space exploration (astrophysics); BA in physics; BS in physics  
Academic Catalog Archive 2021-2022



Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

The astronomy minor supplements other degrees with problem-solving techniques and skills used in modern astronomy research applicable to a wide variety of engineering and science careers.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu>  
ISTB4 795  
[sese-advising@asu.edu](mailto:sese-advising@asu.edu)  
480-965-5081

## Astrophysics Minor (LAASTPHMIN)

**Campus:** Tempe

**Description:**

The astrophysics minor is designed for students interested in developing a background in the theoretical modeling and observational techniques of galactic and stellar astronomy, extragalactic astronomy and cosmology.

Students completing the minor are able to think critically about scientific problems by reducing complex problems to their most important attributes and are able to design experiments, observations and theoretical models that address those attributes.

Students pursuing an astrophysics minor are expected to have a strong background in physics and mathematics.

**Program Requirements:**

The minor in astrophysics consists of a minimum of 20 credit hours. At least 12 credit hours must be upper-division. Students complete 12 credit hours of required coursework and select one of three eight-credit hour options to complete the minor. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 12 credit hours

AST 321: Introduction to Planetary and Stellar Astrophysics (3)  
AST 322: Introduction to Galactic and Extragalactic Astrophysics (3)  
AST 421: Astrophysics I (3)  
AST 422: Astrophysics II (3)

Electives Options -- 8 credit hours

Choose one of the following options for the additional eight credit hours. (8)

Option 1

SES 121: Earth, Solar System and Universe (SQ) (3)  
SES 123: Earth, Solar System and Universe Laboratory (SQ) (1)  
SES 126: Exploration of the Universe (3)  
SES 128: Exploration of the Universe Lab (1)

Option 2

AST 111: Introduction to Solar Systems Astronomy (SQ) (4)

AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) (4)

Option 3

AST OR MAT OR PHY OR SES Upper Division Elective (8)

In order to satisfy SQ natural science requirements, both a lecture and its corresponding laboratory section must be completed. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in earth and space exploration (astrophysics); other BS in earth and space exploration concentrations are only compatible with the astrophysics minor as long as option 2 or 3 of the minor are pursued

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

The astrophysics minor supplements other technical degrees with advanced problem-solving techniques and skills used in modern astrophysics research which are applicable to a wide variety of engineering and science careers.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration

<https://sese.asu.edu>

ISTB4 795

[sese-advising@asu.edu](mailto:sese-advising@asu.edu)

480-965-5081

## Biochemistry Minor (LABCHMIN)

**Campus:** Tempe, Online

**Description:**

The biochemistry minor program is designed to give students majoring in other disciplines a solid grounding in the basics of biochemistry to complement their major degree program. It is especially appropriate for students whose majors are in the various disciplines of life sciences, physics, engineering and geology and for students planning careers in the fields of medicine and health.

**Program Requirements:**

The minor in biochemistry comprises 28 credit hours of required courses, of which at least 12 credit hours must be at the upper-division level. Six of the 12 upper-division credit hours must be from courses offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 28 credit hours

CHM 113: General Chemistry I (SQ) or CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) (4)

CHM 116: General Chemistry II (SQ) or CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) (4)

CHM 233: General Organic Chemistry I (3)

CHM 234: General Organic Chemistry II (3)

CHM 237: General Organic Chemistry Laboratory I (1)

Notes: ASU Online students will complete CHM 237 and 238 in person in a compressed summer format.

CHM 238: General Organic Chemistry Laboratory II (1)

BCH 341: Physical Chemistry with a Biological Focus (3)

BCH 461: General Biochemistry (3)

BCH 462: General Biochemistry (3)

BCH 467: Analytical Biochemistry Laboratory (L) (3)

Notes: ASU Online students will complete BCH 467 in person in a compressed summer format.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in applied biological sciences (all concentrations); BS in biochemistry (medicinal chemistry); BS in chemistry (environmental chemistry); BS in forensic science; BS in health sciences (preprofessional); BS in biochemistry; BA in biochemistry; BS in chemistry; BA in chemistry; BS in biological sciences (genetics, cell and developmental biology); BS in biological sciences (neurobiology, physiology and behavior)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

#### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it. A minor in biochemistry can help students as they pursue careers in medicine and health, chemical and biotechnology industries, research, government laboratories, environmental and food science, teaching and many other technical areas.

#### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Molecular Sciences

<https://sms.asu.edu>

PSD 104

SMSadvising@asu.edu

480-965-7667

## **Biological Sciences Minor (LABIOMIN)**

**Campus:** Tempe, Online

#### **Description:**

Biological science encompasses the study of all living things and includes the study of basic organization and function, how organisms evolve, their roles in the natural environment, how hereditary information is transferred and the development of biotechnology.

The biological sciences minor is a program designed to provide students with a flexible curriculum that can be tailored to their interests.

#### **Program Requirements:**

The minor in biological sciences requires a minimum of 24 credit hours, of which at least 12 credit hours must be upper-division. At least six of the upper-division credit hours must be from courses offered by The College of Liberal Arts and Sciences.

The remaining elective credit hours may be chosen from those courses in the life sciences that can be used toward the majors offered by the school. Three credits of undergraduate research or internship (BIO 484 or MBB 484 or MIC 484 OR BIO 495 or MBB 495 or MIC 495) may be allowed in the minor.

Core Minor Requirement (15-16 credits) -- 15 credit hours

BIO 181: General Biology I (SQ) (4)

BIO 182: General Biology II (SG) (4)

BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins (4)

BIO 345: Evolution or MIC 206: Microbiology Laboratory (SG) AND MIC 220: Biology of Microorganisms (3-4)

Electives (8-9 credits) -- 9 credit hours

BIO OR MBB OR MIC Upper Division Elective (8-9)

Students will complete 8-9 credit hours in electives selected from the BIO, MBB or MIC prefixes, all of which must be upper-division courses.

Lower-division biology courses, including but not limited to, BIO 100, BIO 201, BIO 202 and MIC 205, may not be used in the biological sciences minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in biological sciences (all concentrations); BS in microbiology (all concentrations). This minor is not available to students majoring in the life sciences.

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

#### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in biological sciences can help students as they pursue careers as biologists, biological technicians, medical and clinical laboratory technologists, zoologists, geneticists, educators and more.

#### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

## **Biology Minor (ASLSCMIN)**

**Campus:** West

#### **Description:**

A minor in biology can be a valuable asset, particularly when paired with an appropriate major. For instance, a minor in biology paired with a major in political science provides a good background for someone who intends to practice environmental law.

#### **Program Requirements:**

The minor in biology consists of 19 credit hours, of which 11 must be upper division. A minimum of eight upper-division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. Coursework taken to fulfill the requirements of the minor may not be used to fulfill requirements of a student's major. Consult with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 8 credit hours

BIO 182: General Biology II (SG) (4)

CHM 116: General Chemistry II (SQ) (4)

Ecology, Cell Biology, or Genetics Requirement (select one combination) -- 4 credit hours

BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory (4)

BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory (4)

LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory (4)

Upper-Division Electives -- 7 credit hours

BCH 371: Modern Concepts in Biochemistry (3)

BCH 372: Modern Concepts in Biochemistry Laboratory (1)

BIO 306: Modes of Biological Thought (L) (3)

BIO 320: Fundamentals of Ecology (3)

BIO 340: General Genetics (4)

BIO 345: Evolution (3)

BIO 353: Cell Biology (3)

BIO 354: Cell Biology Laboratory (1)

BIO 360: Animal Physiology (3)

BIO 370: Vertebrate Zoology (4)

BIO 385: Comparative Invertebrate Zoology (4)

BIO 410: Techniques in Conservation Biology and Ecology (L) (3)

BIO 422: Ecosystem Ecology (3)

BIO 423: Population and Community Ecology (3)

BIO 426: Limnology (L) (3)

BIO 431: Genes, Development, and Evolution (L) (3)

BIO 443: Applied Molecular Genetics and Genomics (3)

BIO 471: Ornithology (3)

BIO 474: Herpetology (4)

ENV 300 / PLB 300: Plant Diversity and Evolution (L or SG) (4)

ENV 302 / PLB 302: Plants and Civilization (L) (3)

ENV 345: Spatial Analysis in the Environmental Sciences (3)

ENV 388 / FOR 388 / LSC 388 / PLB 388 / PTX 388: STEM Research Fundamentals (L) (3)

ENV 394 / LSC 394: Animal Behavior in a Changing Environment (3)

ENV 485: Environmental Impact Assessment (3)

ENV 410: Soil Science (4)

FOR 370: Fundamentals of Forensic Analysis (4)

FOR 377: Forensic Analytical Chemistry Laboratory (2)

FOR 380 / LSC 380: Analysis of Nonhuman Forensic DNA Evidence (3)

FOR 400: Comparative Forensics (3)

FOR 401 / PTX 401: Forensic Toxicology (3)

FOR 402: Forensic Biology (3)

FOR 425 / LSC 425: Analytical Chemistry for Life Sciences (3)

FOR 426 / LSC 426: Analytical Chemistry for Life Sciences Lab (2)

FOR 447 / LSC 447: Molecular Genetics Laboratory (1)

FOR 475 / LSC 475 / PTX 475: Principles of Toxicology (3)

FOR 480 / LSC 480: Advanced Topics in Human Forensic DNA Typing (3)

LSC 322: Fundamentals of Ecology Laboratory (1)

LSC 347: Fundamentals of Genetics (3)

LSC 348: Fundamentals of Genetics Laboratory (1)

LSC 359: Animal Physiology Laboratory (1)

LSC 362: The Human Environment (3)

LSC 363: Genes, Race, Gender, and Society (L) (3)

LSC 430: Environmental and Human Toxicology (4)

LSC 432 / PTX 432: Fundamentals of Pharmacology (3)

LSC 434: Marine Ecology (3)

MIC 443: The Microbial Universe (3)

MIC 444: The Microbial Universe Laboratory (1)

PLB 308: Plant Physiology (4)

PLB 310: The Flora of Arizona (4)

PTX 301: Basics of Pharmacology and Toxicology (3)

PTX 450: Pharmacology and Toxicology Laboratory (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in biology; BA and BS in environmental science; BS in biology (environmental science); BS in biology (pharmacology/toxicology); BS in biotechnology and bioenterprise; BS in forensic science; BS in pharmacology and toxicology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Graduates who have included this minor with their major have a wide variety of options. They prepared to pursue graduate studies or to seek careers in diverse areas, like environmental management and conservation, health professions, laboratory research, primary and secondary school teaching, science advisement to businesses and government, and science writing.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biology-minor>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Business Minor (BABUSMIN)

**Campus:** Tempe, Online

**Description:**

A minor in business is available to students who are interested in business courses but wish to pursue majors in other colleges. The courses available for the minor are designed to appeal to and inform the nonbusiness student while covering a broad range of topics that are important to managers, such as:

- accounting
- computer information systems
- economics
- finance
- management
- marketing
- supply chain management

**Program Requirements:**

Students must complete 18 credit hours (12 of which must be upper-division) of the specified business courses with a grade of "C" (2.00) or better in each course. At least 12 credit hours must be taken at ASU.

Required Courses -- 15 credit hours

ACC 382: Accounting and Financial Analysis (3)

ECN 211: Macroeconomic Principles (SB) or ECN 212: Microeconomic Principles (SB) (3)

FIN 380: Personal Financial Management (3)

MGT 380: Management and Strategy for Nonmajors (3)

MKT 390: Essentials of Marketing (3)

Elective (select one) -- 3 credit hours

AGB 420: Food Advertising and Promotion (3)

AGB 445: Food Retailing (3)  
AGB 456: Food Product Innovation and Development (3)  
CIS 300: Web Design and Development (3)  
CIS 308: Advanced Excel in Business (3)  
ECN 211: Macroeconomic Principles (SB) or ECN 212: Microeconomic Principles (SB) (3)  
FIN 331: Financial Markets and Institutions (3)  
LES 380: Consumer Perspective of Business Law (3)  
MKT 391: Essentials of Selling (3)  
MKT 395: Essentials of Advertising and Marketing Communication (3)  
REA 380: Real Estate Fundamentals (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

The upper-division courses specified for the minor are restricted to students with a minimum of 56 earned credit hours and a minimum 2.00 ASU cumulative GPA.

The College of Liberal Arts and Sciences Economics majors must use ECN 211 and ECN 212 in their degree and will take an additional elective to replace that requirement in the minor.

ACC 231 may substitute for ACC 382, if previously taken.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: all W. P. Carey undergraduate degree programs

Other Enrollment Requirements: None

This minor is open to non-W. P. Carey majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in business can help students with understanding the foundations of business as they pursue careers in management or sales within their industry.

#### **Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees/business-minor>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## **Chemistry Minor (ASCHMMIN)**

**Campus:** West

#### **Description:**

The minor program in chemistry offered by the School of Mathematical and Natural Sciences gives students expanded proficiency in the area of chemistry. The program's additional biochemistry and analytical chemistry courses give students more experience in the advanced and integrative fields of chemistry.

Many of the growing career fields, such as forensic sciences, medicine and environmental quality, require a greater amount of chemistry than in the past. Therefore, students with a stronger chemistry background have a competitive advantage in these fields, and this chemistry minor highlights that expanded chemistry knowledge for students' future schools and employers.

**Program Requirements:**

The minor in chemistry consists of 25 credit hours. A minimum of nine upper-division credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00).

Core Requirements -- 25 credit hours

BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory (4)

CHM 113: General Chemistry I (SQ) (4)

CHM 116: General Chemistry II (SQ) (4)

CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I (4)

CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II (4)

LSC 425: Analytical Chemistry for Life Sciences AND LSC 426: Analytical Chemistry for Life Sciences Lab (5)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in biology; BA and BS in environmental science; BS in biology (pharmacology/toxicology); BS in biology (environmental science); BS in biotechnology and bioenterprise; BS in forensic science; BS in pharmacology and toxicology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students with a minor in chemistry are employed in a variety of fields and are well suited in positions such as laboratory technician, research assistant, environmental scientist, technical advisor, science communication professional, hazard communication, chemical education and consultancy.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/chemistry-minor>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Chemistry Minor (LACHMMIN)

**Campus:** Tempe

**Description:**

The chemistry minor program is designed to give students majoring in other disciplines a solid grounding in the basics of chemistry in order to complement their major degree. It is especially appropriate for students whose majors are in the various disciplines of physics, materials science, geology, engineering and life sciences.

**Program Requirements:**

The minor in chemistry comprises 28 credit hours of required courses, of which at least 12 credit hours must be completed at the upper-division level. Six of the 12 upper-division credit hours must be taken from courses offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 20 credit hours

CHM 113: General Chemistry I (SQ) or CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I



(SQ) (4)

CHM 116: General Chemistry II (SQ) or CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) (4)

CHM 233: General Organic Chemistry I (3)

CHM 237: General Organic Chemistry Laboratory I (1)

CHM 234: General Organic Chemistry II (3)

CHM 238: General Organic Chemistry Laboratory II (1)

CHM 325: Analytical Chemistry (3)

CHM 326: Advanced Analytical Chemistry Laboratory (1)

Notes: CHM 325 and CHM 326 should be completed at the Tempe campus for this minor.

Options -- 8 credit hours

Choose one of the following options for the additional 8 credit hours. (8)

Option 1

BCH 361: Advanced Principles of Biochemistry (3)

BCH 367: Elementary Biochemistry Laboratory (1)

CHM 341: Elementary Physical Chemistry (3)

Notes: BCH 341 may not be used to substitute CHM 341.

CHM 343: Elementary Physical Chemistry Laboratory (1)

Option 2

CHM 345: Physical Chemistry I (3)

Notes: CHM 345 and CHM 348 are only offered in the Fall semester.

CHM 348: Physical Chemistry Laboratory I (L) (1)

CHM 346: Physical Chemistry II (3)

Notes: CHM 346 and CHM 349 are only offered in the Spring semester.

CHM 349: Physical Chemistry Laboratory II (L) (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in applied biological sciences (all concentrations); BS and BA in biochemistry; BS in biochemistry (medicinal chemistry); BS and BA in chemistry; BS in chemistry (environmental chemistry); BS in forensic science; BS in health sciences (preprofessional); BS in nutrition; BS in nutrition (human nutrition)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it. A chemistry minor can benefit those who pursue careers in chemical and electronics industries, manufacturing and environmental industries, in national research labs and forensic labs.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Molecular Sciences

<https://sms.asu.edu>

PSD 104

[SMSadvising@asu.edu](mailto:SMSadvising@asu.edu)

480-965-7667

## Civic and Economic Thought and Leadership Minor (LACELMIN)

**Campus:** Tempe

### **Description:**

The minor program in civic and economic thought and leadership trains students to read and understand influential ideas in philosophy, economics and politics in order to become leaders in their field of study. Through faculty use of the Socratic method teaching style, students are challenged in the classroom and forced to think critically about the problems that impact society today.

Students in the minor participate in a high-impact curriculum and are eligible for a global intensive experience, leadership seminars, an internship program and special access to prominent scholars and visiting fellows.

### **Program Requirements:**

The minor in civic and economic thought and leadership requires 18 credit hours, of which 12 credit hours must be upper-division. At least 12 credit hours must be taken from ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 12 credit hours

CEL 100: Great Ideas of Politics and Ethics (HU) (3)

CEL 200: Great Debates in American Politics and Economics (HU) (3)

CEL 300: Debating Capitalism: Politics, Economics, Morality (3)

CEL 475: Statesmanship and American Grand Strategy (HU) (3)

Upper-Division Electives -- 6 credit hours

CEL 305: Classical Political Philosophy and Statesmanship: The Greeks (3)

CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty (3)

CEL 345: Modern Economic Classics (3)

CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826 (3)

CEL 484: Internship (<https://webapp4.asu.edu/catalog/courselist?s=CEL&l=300-399&t=2217&hon=F>) > CEL 3\*\* Elective (3)

CEL 493: Honors Thesis (3)

CEL 4\*\* Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in civic and economic thought and leadership; BS in civic and economic thought and leadership

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

A minor from the School of Civic and Economic Thought and Leadership can support a student's major and may be considered a benefit when a student is interviewing for a job or applying to graduate school. Completing a minor program shows employers or schools that the student is focused on educational goals and can handle the additional workload.

Students interested in careers as lawyers, doctors, journalists, educators, law enforcement officials and political scientists benefit from this liberal arts education that provides the academic foundation they need to ask informed questions, make sound decisions for the common good and solve the difficult problems that leaders confront in any discipline.

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Civic & Economic Thought and Leadership

<https://scetl.asu.edu>  
COOR 6611  
[scetladvising@asu.edu](mailto:scetladvising@asu.edu)  
480-965-0155

## Communication Minor (HSCMNMIN)

**Campus:** West

### **Description:**

The minor program in communication provides students the opportunity to understand the role and function of communication in cultural, public, organizational and relational contexts. The program offers a flexible set of courses and is designed for students majoring in another field.

### **Program Requirements:**

The minor in communication consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper-division credit hours must be taken through the School of Social and Behavioral Sciences. Students wishing to pursue the minor must meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses -- 6 credit hours

COM 100: Introduction to Human Communication (SB) (3)

COM 225: Public Speaking (L) (3)

Upper-Division Electives -- 12 credit hours

Upper Division Communication Elective (#trackgroup) (12)

Up to three credit hours of COM 382, 383, 483, 484, 498 or 499 may be applied toward the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in communication

Other Enrollment Requirements: None

The minor in communication is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

The minor in communication is a strong addition to any major. The minor enhances student preparation for employment in diverse areas such as advertising, corporate communications, crisis management, health communications, human resource management, media and public relations, social media, and training and development.

### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/communication-minor>  
FAB N100  
[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)  
602-543-3000

## Communication Minor (LACOMMIN)

**Campus:** Tempe, Online

**Description:**

The minor program in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities.

**Program Requirements:**

The minor in communication consists of 18 credit hours. Nine of the 18 credit hours must be ASU resident credit courses, including six upper-division credit hours offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

COM 100: Introduction to Human Communication (SB) (3)

COM 225: Public Speaking (L) or COM 259: Communication in Business and the Professions (3)

Minor Electives (choose two) -- 6 credit hours

COM 310: Relational Communication (SB) (3)

COM 312: Communication, Conflict, and Negotiation (3)

COM 316: Gender and Communication (SB & C) (3)

COM 323: Communication Approaches to Popular Culture (C) (3)

Related Area -- 6 credit hours

SGS OR APA OR AFR OR TCL OR AIS Upper Division Elective (6)

No pass/fail, "Y" credit or credit/no-credit courses are allowed.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA and BS in communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in communication can help students as they pursue careers in marketing, education or public relations.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Hugh Downs School of Human Communication

<https://humancommunication.asu.edu/>

STAUF A412

communication@asu.edu

480-965-5095

## Communication Minor (LSCOMMIN)

**Campus:** Downtown Phoenix, Polytechnic

**Description:**

The minor in communication provides exposure to practical and theoretical aspects of communication, focusing on message-based processes that create, maintain and transform identities, relationships, organizations and cultures.

**Program Requirements:**

This minor requires 18 credit hours of communication courses.

Six credit hours must be taken from COM courses offered by the College of Integrative Sciences and Arts.

Required Courses -- 6 credit hours

COM 100: Introduction to Human Communication (SB) (3)

COM 430: Leadership in Group Communication (3)

Elective Courses -- 12 credit hours

COM Elective (3)

COM Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA or BS in communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in communication can help students as they pursue careers in marketing, law, human resources, management and numerous related fields.

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

AZCNTR 380

CISA@asu.edu

602-496-0271

## Community Health Minor (NUCHLTMIN)

**Campus:** Downtown Phoenix, West

**Description:**

The minor in community health is designed for those who want to create healthy, sustainable communities.

Community health focuses on the actions and conditions needed for the health and well-being of individuals, families and communities. Students acquire skills for working with teams in diverse settings to formulate research-based strategies that assist individuals to make healthy and sustainable lifestyle choices.

**Program Requirements:**

A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 18 credit hours

HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) (3)

HCR 231: Fundamentals of Community Health (3)

HCR 331: Communication within Communities (3)

HCR 335: Program Development and Management for Community Health (3)

HCR 336: Environmental Community Health (3)

HCR 435: Leaders in Community Health (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in community health

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students pursuing a minor find that the courses in a minor complement and enhance the skill sets and knowledge acquired while pursuing a major program. Although most career areas require more training than a minor can provide, students pursuing the community health minor learn about health care and, specifically, the impact communities have on health care. Graduates often pursue employment in an organization focused on health care.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## Community Sports Management Minor (PPCSMMIN)

**Campus:** Downtown Phoenix

**Description:**

The community sports management minor focuses on developing skills to support recreational amateur sport programs within the community. Sport programs exist in a number of settings, including nonprofit organizations, public agencies and corporate programs. For a student interested in a career in one of these settings, or simply interested in sport, this minor can provide additional skills relevant to any of those professions.

**Program Requirements:**

Core Courses -- 12 credit hours

CSM 201: Introduction to Community Sports (3)

Notes: Offered fall semester only

CSM 305: Sports Facility Operations and Management (3)

Notes: Offered spring semester only

CSM 407: Ethics and Legal Issues in Sports (3)

Notes: Offered fall semester only

PRM 315: Community Recreation Systems (3)

Notes: Offered fall semester only

Electives (choose two courses) -- 6 credit hours

CSM 335: Sports and Recreation for Youth Development (3)

Notes: Offered spring semester only

CSM 483: Sports Tourism (3)

Notes: Offered spring semester only

CSM 485: Sports Events (3)

Notes: Offered spring semester only

NLM 220: Introduction to Nonprofit Organizations (3)

NLM 310: Volunteer Management (3)

PRM 364: Foundations of Recreation Therapy (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in community sport management can help students as they pursue careers as coaches and sports marketing managers.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Computational Mathematical Sciences Minor (LACMSMIN)

**Campus:** Tempe

**Description:**

The computational mathematical sciences minor offers a structured curriculum that includes a foundation in calculus with a focus on applied math. Students develop a framework of scientific computing and numerical analysis skills.

**Program Requirements:**

The minor in computational mathematical sciences consists of a minimum of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and all courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 18 credit hours

MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)

MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

MAT 420: Scientific Computing (3)

MAT 421: Applied Computational Methods (CS) (3)

MAT 423: Numerical Analysis I (CS) or MAT 425: Numerical Analysis II (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics, BS in data science, BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor in computational mathematical sciences is one of the most versatile minors, offering students many potential career options. This minor assists in positioning students for careers in computer technology, business, medical research, teaching and education, engineering and more.

Some students pursue graduate opportunities in areas such as biophysics, economics, medicine, statistics and law. Diverse areas of study such as cancer modeling, weather forecasting and financial modeling all involve computational mathematical sciences.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Conflict Resolution Minor (ASCNRMIN)

**Campus:** West

**Description:**

The minor program in conflict resolution introduces students to theories and practices that enable them to understand, address and transform conflict while dealing with challenges both at the micro and the macro levels in professional and cross-cultural contexts and in individual and collective interactions.

**Program Requirements:**

The minor in conflict resolution consists of 15 credit hours. A minimum of nine credit hours must be upper division. A minimum of six upper-division credit hours of communication courses must be taken through the School of Social and Behavioral Sciences. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses -- 15 credit hours

COM 100: Introduction to Human Communication (SB) or COM 312: Communication, Conflict, and Negotiation  
(<https://webapp4.asu.edu/catalog/courselist?s=COM&l=upperdivision&t=2217&hon=F>) > COM Upper Division Elective (3)  
(3)

COM 371: Language, Culture, and Communication (SB & C & G) or COM 463: Intercultural Communication in a Global Context (SB & G) (3)

COM 423: Facilitating Collaboration and Dialogue or COM 432: Forgiveness and Reconciliation (3)

PAX 230: Introduction to Peace Studies (G) or JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

COM 100 is a prerequisite to COM 312. If COM 100 has already been taken as a major requirement, a communication upper-division elective may be substituted.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.



**Enrollment Requirements:**

GPA Requirement: COM 312, a required course in the minor as a minimum GPA of 2.00.

Incompatible Majors: BA in conflict resolution

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students who complete the minor take an interdisciplinary approach to conflict resolution, while being grounded in communication. With this solid background, they are ready to pursue further education or careers in diverse areas and in relevant professions, such as:

- arbitrators, mediators, conciliators
- educators
- guidance counselors
- human resource managers or specialists
- marriage and family therapists
- patient representatives
- residential advisors
- social and community service managers

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/conflict-resolution-minor>  
FAB N100  
SBSadvising@asu.edu  
602-543-3000

## Construction Management Minor (ESCMGMIN)

**Campus:** Tempe

**Description:**

The minor program in construction management is comprised of coursework in construction management processes incorporating the technology and industry practices required to ensure a quality-built environment. Due to industry demands for increased numbers of skilled personnel, this minor provides much needed supplementary knowledge for architecture, engineering and business majors as well as students majoring in sustainability.

**Program Requirements:**

The minor in construction management requires 21 credit hours. A minimum cumulative 2.00 ASU GPA is needed to complete the minor.

Core Required Courses -- 21 credit hours

CON 244: Working Drawing Analysis (2)

CON 251: Microcomputer Applications for Construction (3)

CON 252: Building Construction Methods, Materials, and Equipment (3)

CON 383: Construction Estimating (4)

CON 453: Construction Technology (3)

CON 495: Construction Planning and Scheduling (CS) (3)

CON 496: Construction Contract Administration (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in construction management; BSE in construction engineering

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Construction management graduates can be employed as:

- building services engineer
- building surveyor
- facilities manager
- site engineer
- sustainability consultant

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Sustainable Engineering & Built Environmt  
<https://ssebe.engineering.asu.edu/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Counseling and Applied Psychological Science Minor (LSCAPSMIN)

**Campus:** Polytechnic

**Description:**

Counseling and applied psychology coursework focuses on the promotion of psychological well-being. Students learn basic counseling skills and techniques to complement a variety of social science and health majors, including psychology, public health, interdisciplinary studies, social work and the humanities, among many others.

**Program Requirements:**

Required Courses -- 9 credit hours

CAP 120: Introduction to Counseling (SB) (3)

CAP 220: Self in a Multicultural Society (C) (3)

CAP 240: Counseling Skills (3)

Electives (choose four courses) -- 12 credit hours

CAP 310: Addictions I: Foundations and Basic Principles (3)

CAP 315: Trauma and Crisis Intervention (3)

CAP 320: Theories of Counseling and Psychotherapy (3)

CAP 325: Professional Practice and Ethics in Counseling (3)

CAP 330: Group Counseling (3)

CAP 335: Addiction Group Counseling (3)

CAP 340: Multicultural Counseling Theory and Practice (3)

CAP 342: Community Outreach, Prevention and Intervention (3)

CAP 351: Issues in Assessment, Diagnosis and Treatment (3)

CAP 420: School Counseling (3)

CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention (3)

FAS 331: Marriage and Family Relationships (SB) (3)

FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)

JUS 305: Principles of Justice Studies (SB) (3)

PSY 315: Personality Theory and Research (SB) (3)

PSY 320: Learning and Motivation (3)  
PSY 341: Developmental Psychology (SB) (3)  
PSY 350: Social Psychology (SB) (3)  
PSY 366: Abnormal Psychology (SB) (3)  
PSY 369: Biology of Human Sexuality (3)  
PSY 385: Psychology of Gender (SB) (3)  
PSY 444: Adolescent Psychology and Psychopathology (3)  
PSY 472: Clinical Psychology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in counseling and applied psychological science

Other Enrollment Requirements: None

The minor in counseling and applied psychological science is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major, diversify their skills with training in another discipline, and improve their future job outlook. Although most careers require more training than a minor alone can provide, a minor in counseling and applied psychological science can add value for students who pursue careers in education, social work or health care.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Criminology and Criminal Justice Minor (PPCRJMIN)

**Campus:** Downtown Phoenix, Online

**Description:**

The minor program in criminology and criminal justice allows students in other undergraduate programs at ASU to explore issues of crime, law and the criminal justice system. The program provides students with the tools to analyze complex issues and policies within the criminal justice system, enhancing students' ability to understand the nature of crime and the system response to law breaking.

In addition to the three required courses which provide a solid understanding of the field, each student selects electives to meet specific interests.

Criminal justice majors may not pursue a minor in criminal justice.

**Program Requirements:**

For this minor, students will:

1. at minimum, be in junior standing to take upper-division courses.
2. complete CRJ 100 as the prerequisite for all upper-division CRJ courses.
3. complete a minimum of 18 credit hours of graded classroom and online course work (internship or independent study not applicable).
4. complete a minimum of 12 credit hours of CRJ resident credit at ASU.

5. earn a grade of "C" (2.00 on a 4.00 scale) or better for all courses in the minor.
6. consider meeting with a criminal justice advisor prior to registration.

Required Courses -- 6 credit hours

CRJ 100: Introduction to Criminal Justice (SB) (3)

CRJ 309: Criminology (SB) (3)

Choose one of the following -- 3 credit hours

CRJ 203: Courts and Sentencing (3)

CRJ 230: Introduction to Policing (3)

CRJ 240: Introduction to Corrections (3)

Choose one of the following -- 3 credit hours

CRJ 305: Gender, Crime, and Criminal Justice (C) (3)

CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)

CRJ Electives -- 6 credit hours

CRJ Upper Division Elective (6)

Notes: Choose any two CRJ courses at the 300- or higher level.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in criminology and criminal justice; BS in public service and public policy with the following concentrations: criminology, law and policy, or emergency management and homeland security

Other Enrollment Requirements: None

Applicants are asked to meet with a criminal justice advisor prior to registration.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

#### **Career Opportunities:**

Graduates of the criminology and criminal justice minor find a strong job market in the public and private sectors. Employment opportunities exist in:

- bank fraud investigation
- corrections
- the courts
- domestic terrorism investigation
- federal agencies
- homeland security
- law enforcement
- legal offices
- parole offices
- private security
- probation offices
- victim advocate agencies

Graduates also may pursue advanced degrees in law, criminology and criminal justice, and other social science disciplines. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu/>  
UCENT 600  
SCCJAdvising@asu.edu  
602-496-2356

**Dance Minor (FADANMIN)**

**Campus:** Tempe

**Description:**

The minor program in dance provides an inclusive, dynamic and culturally diverse learning environment in which students develop their creativity as artists, scholars and educators. The innovative curriculum promotes creative collaboration and a holistic approach to acquiring skills for successful career transitions. Movement practices, performance and creativity practice define the core of the program. The rich educational experience is further enhanced by studies in:

- criticism
- dance cultures
- dance history
- digital media
- movement science
- music
- pedagogy and leadership
- philosophy
- production
- somatics

**Program Requirements:**

The minor in dance consists of 20 credit hours of coursework, including nine upper-division credit hours. A minimum grade of "C" (2.00) or higher is required in all classes for the minor.

A minimum GPA of 3.00 in minor courses is required to earn the minor in dance.

Choose one course -- 3 credit hours

- DCE 100: Introduction to Dance (HU) (3)
- DCE 201: Dance, Culture, and Global Contexts (HU) (3)
- DCE 202: Dance in U.S. Popular Culture (HU & C) (3)
- DCE 203: The Walking Body (HU) (3)
- DCE 205: How Dance Matters: A Sociocultural Framing (C) (3)

Choose one from the following -- 3 credit hours

- DCE 300: Dancing Histories (HU) (3)
- DCE 301: Dance Analysis and Theory (L or HU) (3)
- DCE 303: The Body Condition(ed) (SB) (3)
- DCE 350: Dance in the Classroom: Learning Through Movement (HU) (3)
- DCE 402: Ethnography of Dance Practices (L) (3)
- DCE 404: Dance and Ethics (L) (3)
- DCE 405: Writing the Creating Body (L or HU) (3)

Choose four courses from the following -- 8 credit hours

Students interested in enrolling in movement courses reserved for dance majors must gain instructor permission prior to enrolling.

- DCE 110: Argentine Tango I (2)
- DCE 111: Belly Dance I (2)
- DCE 112: Capoeira I (2)
- DCE 113: Dances of Africa I (2)
- DCE 114: Dances of India I (2)
- DCE 115: Yoga I (2)
- DCE 116: T'ai Chi Chuan I (2)
- DCE 117: Feldenkrais I (2)
- DCE 118: Yoga/Pilates (2)
- DCE 120: Contemporary/Modern I (2)

DCE 121: Ballet I (2)  
DCE 122: Jazz I (2)  
DCE 123: Nonmajors Hip Hop I (2)  
DCE 124: Latin/Swing/Ballroom I (2)  
DCE 125: Afro-Latin Salsa I (2)  
DCE 126: Country-Western (2)  
DCE 133: Hip Hop I (2)  
DCE 134: Postmodern Contemporary I (2)  
DCE 135: Contemporary Ballet I (2)  
DCE 136: Somatic Practices I (2)  
DCE 139: Afro-Latin Movement Practices I (2)  
DCE 194: Special Topics (2)  
DCE 210: Argentine Tango II (2)  
DCE 211: Belly Dance II (2)  
DCE 216: T'ai Chi Ch'uan II (2)  
DCE 220: Contemporary/Modern II (2)  
DCE 221: Ballet II (2)  
DCE 222: Jazz II (2)  
DCE 223: Nonmajors Hip Hop II (2)  
DCE 224: Latin/Swing/Ballroom II (2)  
DCE 225: Afro-Latin/Salsa II (2)  
DCE 240: Media for Dance (CS) (3)  
DCE 294: Special Topics (2)  
DCE 324: Latin/Swing/Ballroom III (2)

Upper Division Dance Electives -- 6 credit hours

DCE Upper Division Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: All dance majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in dance can help students as they pursue careers in fields such as arts administration, teaching, acting and fitness.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/>  
GHALL 240  
mdtadmissions@asu.edu  
480-965-4206

**Data Science Minor (LADATSCMIN)**

**Campus:** Tempe, Online

**Description:**

A minor in data science provides students with skills in statistics, probability and coding in the context of large data sets. Students in this minor become useful consumers and producers of data. They understand and manipulate data sets to make conclusions and recommendations that can have an impact in real world settings.

**Program Requirements:**

The minor in data science consists of a minimum of 25 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required for courses used in the minor.

Required Courses -- 25 credit hours

DAT 250: Data Science and Society (3)

DAT 300: Mathematical Tools for Data Science (3)

DAT 301: Exploring Data in R and Python (4)

DAT 401: Statistical Modeling and Inference for Data Science (3)

DAT 402: Statistical Learning (3)

MAT 265: Calculus for Engineers I (MA) or MAT 270: Calculus with Analytic Geometry I (MA) (3-4)

MAT 266: Calculus for Engineers II (MA) or MAT 271: Calculus with Analytic Geometry II (MA) (3-4)

MAT 343: Applied Linear Algebra (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: N/A

Incompatible Majors: All majors in the School of Mathematical and Statistical Sciences

Other Enrollment Requirements: N/A

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. A student should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in data science can help students with mathematical, statistical and computational modeling; data analysis; programming; and critical thinking skills as they pursue careers in business, medicine, insurance and research (governmental and private sector). The intent of this minor is to apply the skills learned into any academic field of study to enhance the understanding of an increasingly data-based society.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences

<https://math.asu.edu>

WXLR 211

Math@asu.edu

480-965-7195

## Design Studies Minor (ARDSNMIN)

**Campus:** Tempe

**Description:**

Students interested in design can earn a minor in design studies through this nonstudio-based program of study that focuses on the design

disciplines offered in the ASU Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

The courses may also appeal to students who wish to pursue the study of design within the BA program in interdisciplinary studies.

**Program Requirements:**

Courses selected must satisfy the minimum requirement of 18 credit hours for the minor. Twelve of the credit hours must be in 300-level or 400-level coursework.

To enhance understanding of the subject matter, some of the designated courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which these particular courses are offered. All designated courses for the minor in design studies are lecture courses.

Lower-Division Design Studies -- 6 credit hours

- ALA 100: Introduction to Environmental Design (HU & H & G) (3)
- ALA 102: Landscapes and Sustainability (HU & G) (3)
- DSC 101: Design Awareness (HU & G) (3)
- EDS 223: Design Thinking (3)
- GRA 101: Designing Life (3)
- GRA 111: Graphic Design History I (HU) (3)
- GRA 112: Graphic Design History II (3)
- GRA 225: Communication/Interaction Design Theory (3)
- GRA 294: Illustrator (3)
- GRA 294: InDesign (3)
- GRA 294: Photoshop (3)
- IND 242: Materials and Design (3)
- IND 243: Design for Ecology and Social Equity (3)
- INT 111: Interior Design Issues and Theories (HU) (3)
- INT 121: Introduction to Computer Modeling for Interior Design (CS) (3)
- INT 123: Introduction to Computer-Aided Design and Building Information Modeling (3)
- INT 131: Design and Human Behavior (SB) (3)
- LAP 251: Plant Materials for Sustainable Landscapes (3)

Upper-Division Design Studies -- 12 credit hours

- APH 300: World Architecture I/Western Cultures (HU & H & G) or APH 313: History of Architecture I ((L or HU) & G & H) (3)
- APH 314: History of Architecture II ((L or HU) & G & H) (3)
- APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU & H) (3)
- APH 414: Great Cities ((L or HU) & H) (3)
- APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU) (3)
- APH 461: Charles and Ray Eames (HU) (3)
- APH 494: Special Topics (3)
- DSC 394: Design Entrepreneurship & Society (3)
- DSC 494: Special Topics (3)
- EDS 301: Sustainable Community Design and Practices (3)
- GRA 345: Design Rhetoric (L) (3)
- GRA 401: Creative Environment (3)
- GRA 440: Finding Purpose (3)
- IND 316: 20th-Century Design I (HU & H) (3)
- IND 317: 20th-Century Design II (HU & H) (3)
- IND 344: Human Factors in Design (3)
- IND 354: Principles of Product Design (3)
- INT 310: History of Interior Design I (HU & H) (3)
- INT 311: History of Interior Design II (HU & H) (3)
- INT 415: Latin American Design or INT 494: Design and Culture in Latin America (3)
- INT 494: Contemporary Design Issues in Europe (3)
- INT 494: Design and Context (3)
- LAP 311: History of Landscape Architecture (HU & H) (3)
- LAP 312: 20th-Century Landscape Architecture (HU) (3)
- LAP 485: International Field Studies (G) (3)



LAP 494: Special Topics (3)  
LPH 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: All majors in The Design School as well as design studies and design studies (design management)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor in design studies is intended to provide an overview of design processes and design thinking that can benefit any major within the ASU system. Many industries, including business and engineering, seek candidates with experience and understanding of design thinking since those possessing that skill have a unique method of approaching ongoing problems with new insights which lead to solutions.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://herbergerinstitute.asu.edu/>  
CDS 101  
herbergeradvising@asu.edu  
480-965-4495

## Digital Audiences Minor (CSDAUMIN)

**Campus:** Downtown Phoenix, Online

**Description:**

Who are digital consumers? How can they be measured? And how can data-driven strategy better engage and grow audiences?

By exploring the users of websites, social networks and apps, and applying techniques across digital analytics, social media campaigns, network analysis, search engine optimization and search engine marketing, students who pursue the digital audiences minor gain a rich understanding of how to acquire and engage audiences.

The program uses real cases from real brands and organizations to explore tools like Google Analytics and Facebook Audience Insights and tactics like hashtag analysis and competitive keyword research. Upon completion, students have a portfolio of real client work and the skills to strategically grow digital audiences and harness analytics to drive organizational change.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Program Requirements:**

Students must complete MCO 307 first. In order to enroll in the course, students must have a 2.00 cumulative GPA.

To be awarded the minor, students must earn a "C" or better in all courses.

Required Courses -- 15 credit hours

MCO 307: The Digital Audience (3)  
MCO 433: Social Media Campaigns, Engagement and Research (3)  
MCO 434: Search Engine Research and Strategy (3)  
MCO 438: Digital Audience Analysis (3)  
MCO 439: Digital Audience Growth (3)

Students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in digital audiences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic adviser to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic adviser or the department offering the minor for more information: <https://cronkite.asu.edu/undergrad/minor-digital-audiences> (<https://cronkite.asu.edu/undergrad/minor-digital-audiences>).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. The digital audiences minor can help students as they pursue careers in digital advertising, SEO, social media strategy and email copywriting.

**Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/undergrad/minor-digital-audiences>  
CRONK 222  
cronkiteadvising@asu.edu  
602-496-5055

## Digital Culture Minor (HIDGCMIN)

**Campus:** Tempe

**Description:**

With the digital culture minor, students enhance their program of study with integrated, interdisciplinary training in creative processes and technical skills in new media with cultural applications.

Students develop both the technical skills to create computational media and the cultural skills to know when or why to apply them. Students in the digital culture minor learn to create computational media (computation combined with objects, sound, video, time, space, culture and bodies); breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21st century.

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with techno fluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that is increasingly shaped by new technologies.

**Program Requirements:**

The digital culture minor requires 21 credit hours, of which 12 are upper division. Courses for the minor may not be used as part of a major. A minimum of 12 upper-division credit hours taken at ASU is required.

Required Digital Culture Studies Courses -- 6 credit hours

AME 111: Introduction to Digital Culture (CS) (3)

AME 112: Computational Thinking for Digital Culture or AME 230: Programming for the Media Arts (CS) (3)

Digital Culture Studies -- 6 credit hours

AME 112: Computational Thinking for Digital Culture (3)  
AME 130: Prototyping Dreams (L) (3)  
AME 210: Media Editing (3)  
AME 220: Programming for the Web (3)  
AME 244: Introduction to Interactive Environments (3)  
AME 294: Special Topics (3)  
AME 310: Media Literacies and Composition (3)  
AME 320: Motion Capture for Integrative Systems (3)  
AME 330: Digital-Physical Systems (3)  
AME 340: Compositional and Computational Principles for Media Arts (3)  
AME 394: Special Topics (3)  
AME 410: Interactive Materials (3)  
AME 411: Advanced Interactive Sound (3)  
AME 430: Mac Development for Media Arts (3)  
AME 435: Mobile Development (3)  
AME 444: Media Installations (3)  
AME 470: Programming for Social and Interactive Media (3)  
AME 485: Digital Culture Capstone I (3)  
AME 494: Special Topics (3)  
ART 378: Digital Textiles (3)  
DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture (3)  
FSH 394: Fashion Design & Wearable Technology (3)  
MDC 211: Introduction to Digital Sound (3)  
MDC 311: Composing and Performing for Hybrid Ensembles (3)  
MDC 411: Advanced Interactive Sound (3)

Digital Media -- 6 credit hours

AME 294: Special Topics (3)  
AME 394: Special Topics (3)  
AME 494: Special Topics (3)  
ART 116: Introduction to Digital Media (3)  
ART 206: Digital Photography I (3)  
ART 217: Introduction to Computer Animation (3)  
ART 218: 3D Tools (3)  
ART 308: 2D Digital Animation (3)  
ART 346: 3-D Computer Imaging and Animation (CS) (3)  
ART 348: Animation Motion Studies (3)  
ART 394: Digital Photography for Non-Majors (3)  
ART 424: Stop Motion Animation (3)  
ART 438: Moving and Interactive Systems in Sculpture (3)  
ART 440: Experimental Video Art (3)  
ART 494: Documentary Video Art (3)  
ART 494: Visual Prototyping (3)  
CIS 300: Web Design and Development (3)  
CPI 111: Game Development I (CS) (3)  
DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture (3)  
EDT 440: Creating and Marketing Mobile Apps (3)  
EEE 307: Signal Processing for Digital Culture (3)  
FMP 240: Introduction to Animation for Film (3)  
FMP 255: Media Authorship (CS) (3)  
FMP 294: Sound Design: From Hollywood to Independent Film (3)  
FMP 394: Non-Linear Editing for Film and Media (3)  
GIT 135: Graphic Communications (3)  
GIT 215: Introduction to Web Authoring (3)  
GIT 230: Digital Illustration in Publishing (3)  
GRA 294: Illustrator (3)  
GRA 294: InDesign (3)  
GRA 294: Photoshop (3)  
IAP 103: Foundations I: Interdisciplinary Art Practice (3)  
IAP 104: Foundations I: Fundamentals of Sound Art (3)  
IAP 322: Multitrack Digital Recording (3)  
IAP 361: Digital Editing and Media Literacy (CS) (3)  
IAP 364: Documentaries (3)

IAP 394: Motion Graphics & Animation (3)  
IAP 462: Games and Play (3)  
MDC 211: Introduction to Digital Sound (3)  
MDC 311: Composing and Performing for Hybrid Ensembles (3)

Related Digital Culture or Historical/Theoretical -- 3 credit hours

ALA 100: Introduction to Environmental Design (HU & H & G) (3)  
ALA 102: Landscapes and Sustainability (HU & G) (3)  
APH 300: World Architecture I/Western Cultures (HU & H & G) (3)  
APH 313: History of Architecture I ((L or HU) & G & H) (3)  
APH 314: History of Architecture II ((L or HU) & G & H) (3)  
ARA 202: Understanding Photographs (3)  
ARA 396: Professional Practices for Design and the Arts (3)  
ARS 102: Art from Renaissance to Modernism (HU & H) (3)  
ARS 345: Art and Television (3)  
ARS 394: Anime (3)  
ARS 438: Art of the 20th Century I (HU & H) (3)  
ARS 439: Art of the 20th Century II (HU & H) (3)  
ASB 344: Technology and Society (L or SB) (3)  
DCE 300: Dancing Histories (HU) (3)  
DSC 101: Design Awareness (HU & G) (3)  
ENT 290: Entrepreneurship: Opportunity to Impact (3)  
ENT 305: Principles of Entrepreneurship (3)  
FMP 403: Independent Film (HU) (3)  
FMP 404: World Cinema (G) (3)  
FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) (3)  
GRA 111: Graphic Design History I (HU) (3)  
GRA 112: Graphic Design History II (3)  
HDA 210: Creativity and Innovation in Design and the Arts (3)  
HDA 252: Foundations Arts and Design Entrepreneurship (3)  
HDA 310: Socially Engaged Practice (3)  
IAP 102: Foundations I: Performance Techniques and Composition (3)  
IAP 105: Foundations I: Fundamentals of Visual Art (3)  
IND 316: 20th-Century Design I (HU & H) (3)  
IND 317: 20th-Century Design II (HU & H) (3)  
INT 111: Interior Design Issues and Theories (HU) (3)  
INT 310: History of Interior Design I (HU & H) (3)  
INT 311: History of Interior Design II (HU & H) (3)  
LPH 310: History of Landscape Architecture (HU & H) (3)  
LPH 311: 20th-Century Landscape Architecture (HU) (3)  
MHL 440: Topics in 20th-Century Music (L or HU) (3)  
MUS 347: Jazz in America (HU & C) (3)  
MUS 354: Popular Music (HU) (3)  
MUS 356: Broadway and the American Musical (HU) (3)  
SOC 334: Technology and Society (L or SB) (3)  
THE 320: History of the Theatre I (HU & H) (3)  
THE 321: History of the Theatre II (HU & H) (3)  
THE 322: Theatre History and Culture (HU & H) (3)  
THP 482: Theatre for Social Change (C) (3)

Students who earn a digital culture minor cannot earn a certificate in digital culture.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: All digital culture majors

Other Enrollment Requirements: None

Students are required to meet with the digital culture academic success coordinator to develop the digital culture pathway that best meets the

proficiencies for the work they are interested in pursuing.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

Digital culture students learn techniques that can transform society, and they communicate using contemporary computational media, a vital power in the world. These skills along with specialized knowledge and judgement complement their major program of study and helps them become more marketable to employers.

Graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media, including mobile app design, audio production, autonomous systems and more.

### **Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://herbergerinstitute.asu.edu/node/40666>  
STAUF-B 217  
digitalculture@asu.edu  
480-965-9438

## **Disability Studies Minor (ASDISASMIN)**

**Campus:** West

### **Description:**

The minor in disability studies explores historical, linguistic, social, artistic and legal dimensions of disability with the goal of improving society in ways that benefit those with disabilities.

Through curriculum that combines theory and practice, students are prepared to address injustices, exclusions and misapprehensions regarding disabilities through advocacy and self-advocacy, education, knowledge of the law and historical awareness. The minor's coursework, designed to complement any undergraduate major, utilizes an electronic portfolio tailored to students' professional interests.

### **Program Requirements:**

The minor in disability studies consists of 18 credit hours, of which a minimum of 12 credit hours must be upper division. Six upper-division credit hours must be completed through coursework in the School of Humanities, Arts and Cultural Studies. Program requirements include six credit hours of core coursework, nine credit hours of electives and three credit hours of culminating experience. All courses used to fulfill the requirements of this minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

DST 101: Introduction to Disability Studies (3)

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Electives (choose three courses) -- 9 credit hours

AMS 449 / ETH 449 / WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)

AMS 469 / ETH 469 / WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)

BIO 312 / IAS 340 / PHI 320: Bioethics (HU) (3)

DST 322: Social and Cultural Implications of the Many Forms of Disability (3)

DST 458: Disability and Communication Advocacy (3)

ENG 469: Science and Literature (3)

HRC 310: Social and Cultural Studies: Method and Theory (C) (3)

HRC 494: Veterans and Critical Disability Studies (3)

IAP 494: Accessibility in Digital Arts and Design (3)

IAP 494: Disability and Aesthetics (3)

JUS 301: Research in Justice Studies (SB) (3)

JUS 437: The Social Construction of Disability and Justice (3)

JUS 494: Policy, Advocacy and Disability (3)

SOC 400: Perspectives on Aging (SB) (3)

SOC 426: Social Inequality (SB) (3)

WST 444: Gender, Health, and Bodies (SB) (3)

Culminating Course -- 3 credit hours

HRC 480: Capstone: Practices and Approaches (L) or IAS 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in disability studies

Other Enrollment Requirements:

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information

**Career Opportunities:**

Students with a minor in disability studies find career opportunities in many fields, such as social justice, civil service, law, health care advocacy, social work, education, rehabilitative health care, counseling, business, policy and advocacy, government, and with community and nongovernmental organizations.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/disability-studies-minor>

FAB N100

HArCSadvising@asu.edu

602-543-3000

## Early Childhood Education Minor (TECEDMIN)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Description:**

A minor in early childhood education allows students to combine their knowledge of their major discipline with an understanding of educational practices for young children and their families. The ultimate goal of this minor is to produce graduates who understand and apply knowledge of child development and collaboration within educational community contexts.

The service learning experience embedded in this program enables students to apply their knowledge and skills to authentic educational contexts in the community.

**Program Requirements:**

Required Courses -- 18 credit hours

ECS 312: Social and Emotional Development of the Young Child (SB) (3)

ECS 431: Family, Community and Professional Support Systems (3)

EDP 310: Educational Psychology for Non-Teachers (SB) (3)

Notes: Complete three one-hour courses in EDP 310

SPE 222: Orientation to Education of Exceptional Children (SB & C) (3)

TEL 215: Introduction to Child and Adolescent Development (SB) (3)

USL 210: Service Learning: Intro to Diverse Community Issues (L & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: All education majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in early childhood education have acquired knowledge and skills related to child development and educational support, which is a benefit as they pursue careers that require working with young children and their families in a variety of educational settings.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 118

[educationadvising@asu.edu](mailto:educationadvising@asu.edu)

480-965-5555

## Economics Minor (LAECNMIN)

**Campus:** Tempe, Online

**Description:**

Economics is a social science that examines how societies, businesses and individuals deal with scarcity, and this minor in economics offers instruction by world-renowned researchers and award-winning professors. Students build a foundation of micro- and macroeconomics that supports their investigation of the forces shaping national and global economies.

Students create a personalized program of study that covers economic theory and applications. Students complete introductory courses (ECN 211 and ECN 212) and choose electives from a large set of upper-division offerings to suit individual interests and goals.

**Program Requirements:**

The minor in economics consists of 18 credit hours in economics courses, of which 12 credit hours must be upper-division. A minimum of six upper-division credit hours must be taken in courses offered by the W. P. Carey School of Business. Only courses completed with a grade of "C" (2.00 on a scale of 4.00) or better can be used to satisfy minor requirements.

Required Courses -- 6 credit hours

ECN 211: Macroeconomic Principles (SB) (3)

ECN 212: Microeconomic Principles (SB) (3)

Electives -- 12 credit hours

ECN Upper Division Elective (12)

No more than three credit hours of ECN 484 Internship may be applied to the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in economics; BS in economics (politics and the economy); BS in politics and the economy

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in economics on a resume may help students as they pursue careers in business, finance, government and law.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Economics Program in CLAS  
<https://thecollege.asu.edu/degree/graduate/minor-economics-minor>  
CPCOM 412  
wpcareyecn@asu.edu  
480-965-3531

## Educational Studies Minor (TEEDSTMIN)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Description:**

Learning happens everywhere and at all ages. The educational studies minor prepares students to work with children, youth and adults in nonprofit settings, community institutions, civic organizations and businesses. It provides a foundation for students to shape the role of education in society and the act of learning.

**Program Requirements:**

The minor in educational studies requires 15 credit hours, including six lower-division credits and nine upper-division credits. A "C" grade or better is required in all coursework.

Required Courses (choose two) -- 6 credit hours

- EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) (3)
- SPE 222: Orientation to Education of Exceptional Children (SB & C) (3)
- TEL 111: Exploration of Education (SB) (3)
- TEL 208: Literacy in a Changing World (HU) (3)
- TEL 215: Introduction to Child and Adolescent Development (SB) (3)

Required Service Learning -- 3 credit hours

- EDU 396: Internship in Non-profit Learning Environments (3)

Overview of Education -- 6 credit hours

- EDU 301: Why Education? (3)
- EDU 302: Diversity in Learning Contexts (3)
- EDU 402: Partnering to Advance Educational Initiatives (3)
- EDU 484: Internship (3)
- LSE 303: Human Development: Addressing Learner Capabilities (3)
- LSE 305: Conceptualizing Learning: Theories in Practice (3)
- LSE 401: Designing Learning Environments for Inclusion (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**



GPA Requirement: 2.00

Incompatible Majors: All education majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in educational studies equips students with communication and collaboration skills, a valuable benefit when they will pursue careers related to education in a variety of settings such as nonprofits, community institutions, civic organizations, businesses and more.

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu/>  
ED 118  
[educationadvising@asu.edu](mailto:educationadvising@asu.edu)  
480-965-5555

## Engineering Management Minor (ESENMMIN)

**Campus:** Tempe, Online

**Description:**

The minor in engineering management program provides students with the skills for effective management and leadership of engineering-driven enterprises.

The minor curriculum supplements students' majors by adding to the breadth of engineering science and design and equipping the student with additional management and design skills. This knowledge is augmented with an understanding of business practices, organizational behavior and management skills to enable the student to succeed in the management of a scientific or engineering enterprise. Topics such as project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management are covered, in addition to product design and process development.

**Program Requirements:**

The minor in engineering management requires completion of 18 credit hours: four core courses (12 credit hours) and two elective courses (six credit hours). All courses must be passed with a "C" or better. At least 12 credit hours must be completed in residency at ASU or through ASU Online.

Core Courses -- 12 credit hours

IEE 300: Economic Analysis for Engineers (3)

IEE 380: Probability and Statistics for Engineering Problem Solving (CS) or IEE 220: Business and Industrial Engineering (3)

Notes: \*Students whose major requires IEE 380 Probability and Statistics for Engineering Problem Solving will need to take IEE 220 Business and Industrial Engineering for the engineering management minor.

\*\*Students who are not required to take IEE 380 as part of their major requirements should select it for the minor to be eligible for more elective options.

\*\*\*IEE 380 is the option for ASU Online students.

IEE 431: Engineering Administration (L) (3)

IEE 458: Project Management or CEE 481: Civil Engineering Project Management (3)

Notes: CEE 481 may not be used for both the BSE in civil engineering and the minor in engineering management.

Electives -- 6 credit hours

IEE 369: Work Analysis and Design (L) (3)

IEE 376: Operations Research Deterministic Techniques/Applications (4)

IEE 381: Lean Six Sigma Methodology (3)

IEE 412: Introduction to Financial Engineering (3)  
IEE 454: Risk Management (3)  
IEE 456: Introduction to Systems Engineering (3)  
IEE 474: Quality Control (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BSE in engineering management; BSE in industrial engineering

Other Enrollment Requirements: Prior to enrolling in the minor, students must have completed MAT 265 and MAT 266 (or an equivalent calculus sequence) with a grade of "C" or better in each.

Students who are not required to take IEE 380 as part of their major requirements should plan to take it for the minor instead of IEE 220 to be eligible for more required electives.

Interested students should consult with a School of Computing, Informatics and Decision Systems Engineering advisor to verify eligibility and to review all courses required for the minor. To schedule a CIDSE advising appointment, students should visit <https://fultonapps.asu.edu/advising> (<https://fultonapps.asu.edu/advising>).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Upper-division courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. The minor in engineering management can help students pursuing careers in engineering and business fields gain valuable skills in management for engineering-related professions, which could fast track an individual into a managerial role down the line in their profession.

Career examples include production supervisor, project management team member or project management team leader.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Industrial, Systems & Operations Engineering Prgm  
<https://cidse.engineering.asu.edu/engineering-management-bse/engineering-management-minor/>  
CTRPT 105  
cidse.undergrad@asu.edu  
480-965-3199

## English Minor (ASENGMIN)

**Campus:** West

**Description:**

The minor in English is an ideal choice for students who enjoy English and desire to become better writers, readers and thinkers. The program requirements ground students in the basics of literary and cultural study, and the distribution area requirements engage the social, environmental and political challenges of our time.

With its emphasis on critical reading and writing skills, the English minor is the perfect complement to any major.

**Program Requirements:**

The minor in English requires a minimum of 18 credit hours, of which six credit hours must be upper division. Students must complete a minimum of

six upper-division credit hours in courses offered by the School of Humanities, Arts and Cultural Studies. At least three credit hours of Distribution coursework must be at the 400-level. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Core Course -- 3 credit hours

ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Distribution Cluster Requirement -- 12 credit hours

Select one course from each distribution cluster. At least one course must be at the 400-level.

Writing, Power, Change -- 3 credit hours

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)

ENG 213: Introduction to the Study of Language (3)

ENG 217: Writing Reflective Essays (L) (3)

ENG 241: Literatures of the United States to 1860 ((L or HU) & C) (3)

ENG 288: Beginning Creative Writing Workshop in Fiction (3)

ENG 311: Persuasive Writing (L) (3)

ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)

ENG 323: Rhetoric and Grammar (L) (3)

ENG 339: Creating Dramatic Works: Page to Stage to Screen (3)

ENG 352: Short Story (L or HU) (3)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)

ENG 361: Scriptwriting (3)

ENG 379: Travel Writing (L) (3)

ENG 394 / IAP 394: Print and the Protest (3)

ENG 410: Writing for Publication (3)

ENG 416: Chaucer in Middle English (HU) (3)

ENG 425: Studies in Romanticism (HU) (3)

ENG 437: The American Novel, 1900 - 1960 (L or HU) (3)

ENG 440: Studies in American Literature and Culture (3)

ENG 472: Rhetorical Studies (L) (3)

ENG 494: Canyon Voices (3)

Climate, Energy, Infrastructure -- 3 credit hours

ENG 245: Popular Culture Issues (3)

ENG 324: Horror: Film and Short Stories (3)

ENG 342: 20th-Century British and Irish Literature (HU) (3)

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)

ENG 369: Science Fiction Studies (3)

ENG 378: Environmental Creative Nonfiction (L or HU) (3)

ENG 415: Studies in Medieval Literature and Culture (HU) (3)

ENG 416: Chaucer in Middle English (HU) (3)

ENG 498: Reading Englands Literary Landscapes (L) (3)

Borders, Boundaries, Citizenship -- 3 credit hours

ENG 221: Survey of English Literature (HU) (3)

ENG 222: Survey of English Literature (HU & H) (3)

ENG 241: Literatures of the United States to 1860 ((L or HU) & C) (3)

ENG 242: Literatures of the United States, 1860 to Present (HU) (3)

ENG 328: The Novel to Jane Austen (HU & H) (3)

ENG 333: American Ethnic Literature (3)

ENG 334: The American Southwest in Literature and Film ((L or HU) & C) (3)

ENG 342: 20th-Century British and Irish Literature (HU) (3)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)

ENG 379: Travel Writing (L) (3)

ENG 386: American Gothic (3)

ENG 394: Oral History & Storytelling in Humanities & Arts (3)

ENG 420: Multicultural Autobiographies ((L or HU) & C) (3)

ENG 432: The American Renaissance (HU) (3)

ENG 457: Studies in American Poetry (HU) (3)

ENG 462: Africana Literature (HU & G) (3)

ENG 498: Reading Englands Literary Landscapes (L) (3)

Bodies, Intersections, Transitions -- 3 credit hours

ENG 203: Introduction to Health Humanities (3)

ENG 324: Horror: Film and Short Stories (3)

ENG 333: American Ethnic Literature (3)

ENG 364: Women and Literature (HU) (3)

ENG 369: Science Fiction Studies (3)

ENG 421: Studies in Shakespeare (L or HU) (3)

ENG 431: Whitman and Dickinson (L or HU) (3)

ENG 443: Gender, Culture and Literacy (3)

ENG 454: Gender and Literature (L or HU) (3)

ENG 461: Studies in Women and Literature (3)

ENG 472: Rhetorical Studies (L) (3)

ENG 476: Studies in Folklore (3)

ENG 478: Studies in Modernism (3)

ENG 494: Disrupting Dis/Ability Discourses (3)

ENG 494: Weird Fiction: Films and Short Stories (3)

Upper Division Elective Courses -- 3 credit hours

Upper Division English Elective (3)

ENG 499 Individualized Instruction may only be used with permission of the English program lead and only once.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in English

Other Enrollment Requirements: None

The minor in English is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

Students completing a minor in English are better prepared for professional training in law, business, teaching and public policy; and for careers in marketing, public relations, government, diplomacy and community work; and for other professions in which problem-solving, creativity, research strengths, writing, interpersonal and digital skills are necessary and valued.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/english-minor>

FAB N100

harc sadvising@asu.edu

602-543-3000

## **English Minor (LAENGMIN)**

**Campus:** Online

#### **Description:**

A minor in English provides students with the strong analytical and communications skills required by many professions, such as those in publishing, journalism, public relations, nonprofit organizations, professional and technical writing, education, business, banking, grassroots activism, law and medicine, as well as numerous others throughout industry and government.

This program is delivered entirely online and serves as a complement to the chosen major of undergraduate students who are pursuing an ASU major online.

**Program Requirements:**

The online minor in English consists of 18 credit hours, of which at least 12 credit hours must be upper-division. The remaining six credit hours may be completed with ENG 200-499 courses. At least six of the upper-division credit hours must be earned from The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Core Courses (choose three) -- 9 credit hours

ENG 211: Introduction to English Studies (3)

ENG 305: Interpretive Theory (3)

ENG 308: Form and History/Culture (3)

ENG 309: Rhetoric for Writers (3)

ENG 327: English Studies Research (3)

ENG 489: Scholarly Products (3)

English Electives -- 9 credit hours

ENG 2\*\* Elective or ENG 3\*\* Elective or ENG 4\*\* Elective (3)

ENG Upper Division Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in English

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in English can help students as they pursue careers in writing, teaching, editing and publishing.

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of English

<https://english.asu.edu/>

RBHL 170

[englishadvising@asu.edu](mailto:englishadvising@asu.edu)

480-965-3168

## English Minor (LSENGMIN)

**Campus:** Polytechnic

**Description:**

The minor in English focuses on effective writing, critical thinking and reading sophisticated literary and nonliterary texts.

**Program Requirements:**

The English minor consists of 24 credit hours. A minimum of 12 upper-division credit hours is required, of which at least six credit hours must be taken through the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Course -- 3 credit hours

ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Electives -- 21 credit hours

ENG Elective (9)

ENG Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00 cumulative GPA

Incompatible Majors: BA in English

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in English can help students as they pursue careers in any field where effective written communication and textual interpretation are important, including careers in publishing, marketing, law, journalism, management, education and numerous other fields.

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

CISA@asu.edu

480-727-1526

## English (Linguistics) Minor (LAENGMINN)

**Campus:** Tempe

**Description:**

Students pursuing a minor in English with a focus in linguistics study the nature, variation and structure of language.

ASU's Department of English has an extensive internship program offering placements in publishing, media and marketing, government, second language teaching, nonprofits and film festivals. The English department also boasts rigorous undergraduate research opportunities and options for cultural and community involvement.

**Program Requirements:**

The minor in English with a focus in linguistics consists of 24 credit hours. A minimum of 12 upper-division credit hours are required, with at least six credit hours from courses offered by The College of Liberal Arts and Sciences. Courses must be completed with a grade of "C" (2.00 on a scale of 4.00) or better to satisfy minor requirements.

Required Courses -- 15 credit hours

ENG 200: Critical Reading and Writing About Literature (L or HU) (3)  
ENG 213: Introduction to the Study of Language (3)  
ENG 312: English in its Social Setting (L or HU or SB) (3)  
ENG 314: Modern Grammar (3)  
ENG 413: History of English Language (HU) (3)

English Survey Course (choose one) -- 3 credit hours  
ENG 221: Survey of English Literature (HU) (3)  
ENG 222: Survey of English Literature (HU & H) (3)  
ENG 241: Literatures of the United States to 1860 ((L or HU) & C) (3)  
ENG 242: Literatures of the United States, 1860 to Present (HU) (3)

English Electives -- 6 credit hours  
ENG Elective (3)  
ENG Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in English (all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in English linguistics can help students as they pursue careers in writing, teaching, editing and publishing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## English (Literature) Minor (LAENGMINT)

**Campus:** Tempe

**Description:**

The minor program in English with a focus on literature emphasizes British, American and global literatures in English, from the earliest writings to the present.

ASU's Department of English has an extensive internship program offering placements in publishing, media and marketing, government, second language teaching, nonprofits and film festivals. The department also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

**Program Requirements:**

The minor in English with a focus in literature consists of 24 credit hours. At least 12 credit hours must be completed at the upper-division level, with a minimum of six upper-division credit hours from courses offered by the Department of English in The College of Liberal Arts and Sciences. A

grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Required Core Course -- 3 credit hours

ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Literature Areas and Periods (choose from 3 of 4 tracks) -- 9 credit hours

Students must complete at least one course in three of the four Literature and Culture Track Lists. One course must be completed at the 400-level.

Literature and Culture Before 1800

ENG 201: World Literature (HU & H & G) (3)  
ENG 202: World Literature (HU & H) (3)  
ENG 221: Survey of English Literature (HU) (3)  
ENG 241: Literatures of the United States to 1860 ((L or HU) & C) (3)  
ENG 303: Classical Backgrounds of English Literature (HU) (3)  
ENG 315: Medieval Literature in Translation (3)  
ENG 316: Literary Readings of the Hebrew Bible (L or HU) (3)  
ENG 321: Shakespeare (L or HU) (3)  
ENG 325: Restoration and the 18th Century (3)  
ENG 326: English Drama 1660-1800 (HU) (3)  
ENG 328: The Novel to Jane Austen (HU & H) (3)  
ENG 350: Studies in Literary Histories and Traditions (3)  
ENG 356: The Bible as Literature (HU) (3)  
ENG 415: Studies in Medieval Literature and Culture (HU) (3)  
ENG 416: Chaucer in Middle English (HU) (3)  
ENG 418: Renaissance Literature (L or HU) (3)  
ENG 421: Studies in Shakespeare (L or HU) (3)  
ENG 422: Special Topics in Shakespeare (3)  
ENG 423: Renaissance Drama (L or HU) (3)  
ENG 424: Milton (HU) (3)  
ENG 425: Studies in Romanticism (HU) (3)  
ENG 427: Studies in 18th-Century Literature and Culture (HU) (3)  
ENG 476: Studies in Folklore (3)

Literature and Culture After 1800

ENG 204: Topics in Contemporary Literature (HU) (3)  
ENG 222: Survey of English Literature (HU & H) (3)  
ENG 242: Literatures of the United States, 1860 to Present (HU) (3)  
ENG 245: Popular Culture Issues (3)  
ENG 329: 19th-Century British Fiction (3)  
ENG 330: 19th-Century British Poetry (3)  
ENG 332: Studies in Race and Ethnicity in Literature and Culture (3)  
ENG 333: American Ethnic Literature (3)  
ENG 335: American Poetry (3)  
ENG 337: Major American Novels (L or HU) (3)  
ENG 338: Protest Literature (3)  
ENG 342: 20th-Century British and Irish Literature (HU) (3)  
ENG 345: Selected Authors or Issues (3)  
ENG 347: Modern Israeli Literature in Translation (HU & G) (3)  
ENG 349: Global Literary Studies (3)  
ENG 352: Short Story (L or HU) (3)  
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)  
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)  
ENG 359: Indigenous American Literature ((L or HU) & C) (3)  
ENG 360: Western American Literature (L or HU) (3)  
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)  
ENG 364: Women and Literature (HU) (3)  
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)  
ENG 369: Science Fiction Studies (3)  
ENG 384: Studies in Gender and Sexuality in Literature and Culture (3)  
ENG 426: British Culture and Empire (3)  
ENG 429: Studies in European Literature and Culture ((L or HU) & G & H) (3)  
ENG 430: Studies in Victorian Literature and Culture (L or HU) (3)  
ENG 434: Studies in the Literature and Culture of the Americas (3)  
ENG 435: Literatures and Cultures of Immigration and Diaspora (3)



ENG 436: Studies in Anglophone Literature and Culture (3)  
ENG 440: Studies in American Literature and Culture (3)  
ENG 442: Studies in 20th-Century British and Irish Literature and Culture (3)  
ENG 444: Topics for Interdisciplinary Study of Literature and Culture (3)  
ENG 445: Studies in American Realism (L or HU) (3)  
ENG 447: Experimental Narrative (HU) (3)  
ENG 448: Studies in Irish Literature and Culture (3)  
ENG 452: Studies in the Novel (HU) (3)  
ENG 455: Contemporary Women Writers (3)  
ENG 457: Studies in American Poetry (HU) (3)  
ENG 458: Latina/o Literature ((L or HU) & C) (3)  
ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G) (3)  
ENG 461: Studies in Women and Literature (3)  
ENG 465: Studies in Film (3)  
ENG 469: Science and Literature (3)  
ENG 470: Symbols and Archetypes in Children's Literature (L or HU) (3)  
ENG 471: Literature for Young Adults (HU) (3)  
ENG 478: Studies in Modernism (3)

Literature and Culture: Transnational, Postcolonial and Global Literature

ENG 316: Literary Readings of the Hebrew Bible (L or HU) (3)  
ENG 347: Modern Israeli Literature in Translation (HU & G) (3)  
ENG 349: Global Literary Studies (3)  
ENG 356: The Bible as Literature (HU) (3)  
ENG 359: Indigenous American Literature ((L or HU) & C) (3)  
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)  
ENG 429: Studies in European Literature and Culture ((L or HU) & G & H) (3)  
ENG 434: Studies in the Literature and Culture of the Americas (3)  
ENG 435: Literatures and Cultures of Immigration and Diaspora (3)  
ENG 436: Studies in Anglophone Literature and Culture (3)  
ENG 457: Indigenous Poetry (HU) (3)  
ENG 458: Latina/o Literature ((L or HU) & C) (3)

Literature and Culture: Literary Theory and Interdisciplinary Studies

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)  
ENG 304: Critical Theories and Methods (3)  
ENG 400: History of Literary Criticism (L or HU) (3)  
ENG 401: Topics in Critical Theory (3)  
ENG 434: Studies in the Literature and Culture of the Americas (3)  
ENG 444: Topics for Interdisciplinary Study of Literature and Culture (3)  
ENG 435: Literatures and Cultures of Immigration and Diaspora (3)  
ENG 436: Postcolonial Studies (3)  
ENG 469: Science and Literature (3)  
ENG 472: Rhetorical Studies (L) (3)  
ENG 476: Studies in Folklore (3)

Electives -- 12 credit hours

ENG 2\*\* Elective or ENG 3\*\* Elective or ENG 4\*\* Elective (3)  
ENG Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in English (including all concentrations); BAE in secondary education (English)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor

requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in English can help students as they pursue careers in technical or professional writing or teaching.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
englishadvising@asu.edu  
480-965-3168

## Environmental Science Minor (ASENVMIN)

**Campus:** West, ASU@Lake Havasu

**Description:**

The environmental science minor program provides students with a fundamental understanding of how the natural world functions as a system, how changes in this system influence organisms and humans, and, in turn, how this system is impacted by humans.

An understanding of human-environment interactions gained through this minor will augment students' major field of study. To accommodate broad interests for students from a variety of majors, the curriculum is designed to allow students to explore their interests by choosing from categories of scientific coursework and skill-based curricula, to provide applied experiences for students from a variety of majors.

**Program Requirements:**

The minor in environmental science consists of 15 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

ENV 201: Fundamentals of Environmental Science (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) or IAS 409 / PHI 409: Eco-Community Ethics (HU) or PHI 310: Environmental Ethics (HU) (3)

Upper-Division Electives -- 9 credit hours

Choose a minimum of nine credit hours from the following categories. Students may choose freely from among the categories; it is not necessary to take one from each or all from one category.

Global/Ecosystem Focus:

BIO 422: Ecosystem Ecology (3)

CHM 302: Environmental Chemistry (3)

ENV 410: Soil Science (4)

LSC 434: Marine Ecology (3)

MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory (4)

Organismal Focus:

BIO 370: Vertebrate Zoology (4)

BIO 385: Comparative Invertebrate Zoology (4)

BIO 410: Techniques in Conservation Biology and Ecology (L) (3)

BIO 412: Conservation in Practice (3)

BIO 474: Herpetology (4)

PLB Upper Division Elective (3-4)

Skills in Environmental Science:

ENV 345: Spatial Analysis in the Environmental Sciences (3)

ENV 388: STEM Research Fundamentals (L) (3)

ENV 485: Environmental Impact Assessment (3)

ENV 499: Individualized Instruction (1-3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS and BA environmental science

Other Enrollment Requirements: This first course in this minor (ENV 201) has prerequisites of BIO 181, BIO 182 and CHM 116.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students who complete this major have the foundational knowledge they need to apply environmental concepts and awareness to their future careers. Many career fields have environmental applications, including business and entrepreneurship, the health industry, economics and academic research careers. Career opportunities include employment in environmental policy, management or leadership positions in federal and state agencies, local municipality planning offices, private consulting firms, and nongovernmental and nonprofit organizations, and many others.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/environmental-science-minor>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Environmental and Resource Management Minor (ESERMMIN)

**Campus:** Polytechnic

**Description:**

The minor in environmental and resource management provides students with a thorough introduction to environmental regulations and key environmental management issues such as the provision of clean, potable water; wastewater treatment; and solid and hazardous waste management, as well as remediation technologies for polluted soils, groundwater and air. Students learn to apply basic science and engineering principles to solving problems that significantly impact human health and ecosystems.

The environmental and resource management minor program provides a valuable option to other majors that focus on environmental issues whether from a technical or policy perspective. The courses form a coherent whole and demonstrate the connection between science, engineering, public policy, management and the law.

**Program Requirements:**

The minor requires completion of four core courses (12 credit hours) and two elective courses (six credit hours) for a total of 18 credit hours. At least 12 credit hours must be completed in residency at ASU. Courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Core Courses -- 12 credit hours

ERM 201: Environmental Management (3)

ERM 203: Environmental Regulations (3)

ERM 302: Water and Wastewater Treatment Technology (3)

ERM 401: Hazardous Waste Management (3)

Electives -- 6 credit hours

ERM 402: Unit Treatment Technologies (3)

ERM 406: Environmental Chemistry (3)

ERM 407: Occupational Hygiene (3)

ERM 426: Environmental Issues (3)  
ERM 428: International Environmental Management (G) (3)  
ERM 432: Sustainable Solid Waste Management (3)  
ERM 494: Algae in Water/Energy/Food Nexus (3)  
ERM 494: Algal Bioprocess and Biosystems Engineering (3)  
ERM 494: Environmental Health (3)  
ERM 494: Environmental Management Leadership (3)  
ERM 494: Tribal Environ & Natural Resources Management (3)  
ERM 494: Water and Food Security (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in environmental and resource management

Other Enrollment Requirements: Interested students must have at least sophomore status.

Students should consult with an advisor in The Polytechnic School to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should go to <https://fultonapps.asu.edu/advising> (<https://fultonapps.asu.edu/advising>).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Graduates with the skills gained in this minor are in high demand and can find work in industry, governmental management and regulatory agencies, or in policymaking organizations.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/ERM>  
WANER 240  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## Ethnic Studies Minor (ASETHMIN)

**Campus:** West

**Description:**

The minor in ethnic studies explores the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas. The coursework combines topics in the humanities, arts and social sciences, and instruction is given on methods to critically analyze racial; ethnic; gender and sexual identities; transnational movements; and diverse forms of cultural, literary and political expression. The minor in ethnic studies is recommended for graduate students, nondegree students and students majoring in professional programs. The certificate is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**

The minor in ethnic studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Up to three credit hours of individualized instruction may be applied toward the minor. Students are encouraged meet with an academic advisor to choose courses that develop breadth rather than limiting their selection to courses in one particular discipline. All courses in the minor must be passed with a minimum grade of "C" (2.00) or better.

Required Courses -- 6 credit hours

ETH 100: Ethnic and Indigenous Lives (SB & C) (3)  
HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Upper-Division Electives -- 12 credit hours

ENG 420 / IAS 420: Multicultural Autobiographies ((L or HU) & C) (3)  
ENG 462: Africana Literature (HU & G) (3)  
ENG 463: African American Literature (3)  
ENG 476: Studies in Folklore (3)  
ETH 353 / ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)  
ETH 354 / ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)  
ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)  
ETH 428 / AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)  
ETH 430 / WST 430: Gender on the Borderlands (SB & G) (3)  
ETH 433 / WST 433: Race and Sexualities in Social Justice Movements (3)  
ETH 450: Latina/os, Schooling and Social Inequality (C) (3)  
ETH 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)  
ETH 499: Individualized Instruction (3)  
HST 419: 20th Century Chicano/a History (C) (3)  
SBS 301: Cultural Diversity ((L or SB) & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in ethnic studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

This program helps prepare students for careers or graduate school in a variety of fields, including business, health care, criminal justice, social services, education, public relations, community development, public policy and government. Potential careers include community health worker, social and community service manager, secondary and high school teacher, and journalist.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/ethnic-studies-minor>  
FAB N100  
harcсадvising@asu.edu  
602-543-3000

## Family and Human Development Minor (LAFASMIN)

**Campus:** Tempe, Online

**Description:**

The minor program in family and human development exposes students to the basic coursework and issues within the discipline. This program provides an exceptional complement to studies in psychology, communication, education, business and nursing.

This program is offered by the T. Denny Sanford School of Social and Family Dynamics.

**Program Requirements:**

The minor in family and human development consists of 18 credit hours in family studies and child development. At least 12 of the 18 credit hours must be in upper-division courses. At least one elective course must come from the CDE prefix. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours

CDE 232: Human Development (SB) (3)

FAS 101: Personal Growth in Human Relationships (SB) (3)

FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)

Upper Division Electives -- 9 credit hours

At least one course must be a CDE elective.

CDE 312: Adolescence (SB) (3)

CDE 337: Early Childhood Intervention (3)

CDE 418: Aging and the Life Course (SB & H) (3)

CDE 430: Infant/Toddler Development in the Family (SB) (3)

CDE 450: Child Dysfunction in the Family (3)

CDE 498 / FAS 498: Pro-Seminar (3)

FAS 301: Introduction to Parenting (3)

FAS 324: Work and the Workplace (SB & H) (3)

FAS 331: Marriage and Family Relationships (SB) (3)

FAS 332: Human Sexuality (SB) (3)

FAS 410: Military Family Systems in a Democracy (3)

FAS 435: Advanced Marriage and Family Relationships (L or SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in family and human development

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in family and human development can help students as they pursue careers in health care, counseling and social work, sociology or education.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics

<https://thesanfordschool.asu.edu/>

SS 144

advisor@asu.edu

480-965-6978

**Fashion Minor (HIFSHMIN)**

**Campus:** Tempe

**Description:**

The minor program in fashion offers grounding in the history, social context and economics of the contemporary fashion industry. Students also have the option of pursuing more focused classes designed to introduce them to a variety of roles in this important industry: fashion history, fashion industry business practices, and fashion production.

Among the subjects that may be related to students' majors are marketing and merchandising, costuming, wearable technology, sustainability, management and leadership, international experience, and fashion and culture. Due to the relationship of these subjects to a wide variety of disciplines taught at ASU, many students throughout the university may supplement their major with closely related fashion minor classes, creating a strong foundation for a variety of careers. Opportunities for study abroad could further advance students' professional goals.

Taught by well-known fashion industry professionals, students enrolled in the minor in fashion at ASU develop connections to leaders in the field.

**Program Requirements:**

Courses selected must satisfy the minimum requirement of 18 credit hours for the minor; nine of the credit hours must be upper-division (300 or 400-level) coursework.

Required Courses -- 9 credit hours

FSH 201: Textiles Survey (3)

FSH 325: Personal Style and Wardrobe (HU) (3)

FSH 435: Contemporary Fashion (L or HU) (3)

Notes: Please complete either FSH 201 or FSH 325 before enrolling in Contemporary Fashion (FSH 435).

Fashion and Related Studies Electives -- 6 credit hours

ART 110: Drawing as Seeing and Thinking (HU) (3)

ART 276: Introduction to Textiles (3)

ART 376: Weaving and Dyeing (3)

ART 377: Textile Design (3)

ART 378: Digital Textiles (3)

FSH 194: Special Topics (3)

FSH 202: Fashion Construction (3)

FSH 203: Fashion Illustration (3)

FSH 204: Social Aspects of Fashion (L or HU or SB) (3)

FSH 206: Fashion Design (3)

FSH 280 / MKT 280: Fashion Merchandising (3)

FSH 294: Fashion Hairstyling Basics (3)

FSH 294: Special Topics (3)

FSH 300: Global Fashion Industry (G) (3)

FSH 394: Equity and Inclusion in Fashion (3)

FSH 394: Fashion Styling (3)

FSH 394: Fashion Visual Merchandising (3)

FSH 394: Introduction to Footwear (3)

FSH 394: PR for Fashion (3)

FSH 394: Special Topics (3)

FSH 494: Special Topics (3)

MKT 390: Essentials of Marketing (<https://webapp4.asu.edu/catalog/courselist?s=FSH&t=2217&hon=F>) > FSH Elective (3)

MKT 391: Essentials of Selling (3)

MKT 395: Essentials of Advertising and Marketing Communication (3)

MKT 397: Essentials of Global Marketing (3)

THE 430: History of Fashion I (HU) (3)

THE 431: History of Fashion II: 20th-Century Fashion (3)

Upper Division Fashion Electives -- 3 credit hours

FSH 300: Global Fashion Industry (G) (3)

FSH 394: Equity and Inclusion in Fashion (3)

FSH 394: Fashion Construction II (3)

FSH 394: Fashion Design II (3)

FSH 394: Fashion Entrepreneurship (3)

FSH 394: Fashion Illustration II (3)

FSH 394: Fashion Styling (3)

FSH 394: Fashion Visual Merchandising (3)

FSH 394: Introduction to Footwear (3)  
FSH 394: PR for Fashion (3)  
FSH 394: Special Topics (3)  
FSH 494: Special Topics (3)  
FSH Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BA in fashion

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in fashion can help students as they pursue careers in fashion history, fashion industry business practices and fashion production.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Film and Media Production Minor (FAFMPMIN)

**Campus:** Tempe

**Description:**

Students pursuing the film and media production minor study the basic production processes of film while learning about the history and practices of the film and media industry as well as the cultural value of cinema, television and digital media.

**Program Requirements:**

The school offers a minor in film and media production, consisting of 17 credit hours of coursework. A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met. Transfer students may transfer up to six credit hours toward the minor.

Required Courses -- 11 credit hours

FMP 201: Film: The Creative Process I (HU) (3)  
FMP 250: Sex and Violence in Film and TV: Ethics Survey (3)  
FMP 280: Introduction to Film and Media Production (2)  
FMP 403: Independent Film (HU) (3)

Upper Division Film Electives -- 6 credit hours

FMP 318: Directing for Film and Media I (3)  
FMP 320: Film and Media Post-Production II (3)  
FMP 325: Guerilla VFX (3)  
FMP 330: Professional and Technical Writing for Film/TV Industry (3)  
FMP 335: Careers in Film and Media Industry (3)  
FMP 345: Cinematography I (3)



FMP 361: Intermediate Screenwriting (3)  
FMP 365: Developing a Series (3)  
FMP 370: Producing for Film and Media (3)  
FMP 394: Special Topics (3)  
FMP 404: World Cinema (G) (3)  
FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) (3)  
FMP 417: Business and Legal Practices in Entertainment (3)  
FMP 418: Directing for Film and Media II (3)  
FMP 465: Series Writers Workshop (3)  
FMP 475: Producing Series (3)  
FMP 494: Special Topics (3)  
THE 406: American Multicultural Film (HU & C) (3)  
THE 421: Shakespeare: Stage and Film (L or HU) (3)  
THE 430: History of Fashion I (HU) (3)  
THE 431: History of Fashion II: 20th-Century Fashion (3)  
THP 330: Costume Design (3)  
THP 340: Scene Design (3)  
THP 344: Drafting (2)  
THP 345: Lighting Design (3)  
THP 350: Sound Design (3)  
THP 351: Arts Management (3)  
THP 355: Media Design for Performance (3)  
THP 394: Writing for Horror, SciFi, and Fantasy (3)  
THP 442: Rendering for Design and Production (3)  
THP 445: Advanced Lighting Design (3)  
THP 452: Arts Entrepreneurship Seminar (3)  
THP 455: Advanced Media Design (3)  
THP 494: Art Direction (3)  
THP 494: Properties for the Stage (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in film (filmmaking practices); BA in film (film and media production)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor in film is an excellent addition to a variety of degrees and allows students to pursue their passions while also expanding their marketability within a competitive and growing media industry.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Sidney Poitier New American Film School  
<https://film.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

**Film and Media Studies Minor (LAFMSMIN)**

**Campus:** Tempe, Online

**Description:**

The film and media studies minor is useful for students who want to explore the critical and creative study of film and media. Students can opt to study a range of courses that emphasize media and society, media industries, styles and genres and screenwriting.

ASU's Department of English has an extensive internship program, offering placements in publishing, media and marketing, government, nonprofits and film festivals. The department also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

**Program Requirements:**

The film and media studies minor consists of 18 credit hours. At least 12 credit hours must be upper-division, with a minimum of six upper-division credit hours from courses offered by the Department of English in The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours

FMS 100: Introduction to Film and Media Studies (HU) (3)

FMS 200: Film and Media History ((L or HU) & H) (3)

FMS 300: Television Studies (L or HU) (3)

Electives -- 9 credit hours

FMS Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in film (film and media studies); BA in film (film and media production)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in film and media studies can help students as they pursue careers in film, television and digital media.

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of English

<https://english.asu.edu/node/259>

RBHL 170

[englishadvising@asu.edu](mailto:englishadvising@asu.edu)

480-965-3168

## Food and Nutrition Management Minor (ECFNTRMIN)

**Campus:** Downtown Phoenix

**Description:**

The food and nutrition management minor is available to any ASU student interested in developing a greater understanding of nutrition, the food

industry and food service operations.

**Program Requirements:**

The minor requires students to take the following courses for a total of 18 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.

Required Courses -- 18 credit hours

NTR 100: Introduction to Nutrition Science or NTR 241: Human Nutrition (3)

NTR 142: Applied Food Principles (3)

NTR 343: Food Service Purchasing (3)

NTR 344: Nutrition Management and Leadership (L) or NTR 360: Nutrition Entrepreneurship (3)

NTR 445: Management of Food Service Systems (3)

TWC 301: Fundamentals of Writing for Digital Media (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in Dietetics, BS in Food and Nutrition Entrepreneurship, BAS in Food and Nutrition Entrepreneurship

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in food and nutrition management have additional knowledge in nutrition basics and leadership, which is of benefit to a career in restaurant management or food marketing.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## French Minor (LAFREMIN)

**Campus:** Tempe

**Description:**

Students pursuing a minor in French gain an understanding of the language, literature and cultures of French-speaking peoples and regions.

Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. For more information, students should go to <https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages> (<https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages>).

**Program Requirements:**

The French minor requires 18 credit hours, of which 15 must be upper-division. Three credit hours of FRE 200-level coursework may be applied to the French minor. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better. Course substitutions are allowed for heritage

and advanced speakers of the language with approval from an academic advisor in the School of International Letters and Cultures.

Required Courses -- 18 credit hours

FRE 202: Intermediate French II (G) or FRE 210: Intensive French II (G) (3)

FRE 305: Readings in French Literature (G) (3)

FRE 311: Oral and Written Expression I (G) (3)

FRE 312: Oral and Written Expression II (G) (3)

FRE 321: French Cultural Masterpieces I ((L or HU) & H) or FRE 322: French Cultural Masterpieces II (L or HU) (3)

FRE Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in French

Other Enrollment Requirements: None

Students who wish to add a minor in French to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it. A minor in French studies can help students with communication and cultural competency skills as they pursue careers in political analysis, sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Geography Minor (LAGCUMIN)

**Campus:** Tempe, Online

**Description:**

The geography minor, rooted in a foundation of cultural and physical geography, encourages students to explore intersections of place and space. Students in the minor gain a unique understanding of the modern world from both the local and global perspectives. Students also gain a deeper understanding of how humans impact landscapes.

**Program Requirements:**

The minor in geography requires a minimum of 19 credit hours, of which at least 12 credit hours must be upper-division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Cultural Geography (choose one) -- 3 credit hours

GCU 102: Introduction to Human Geography (SB & G) (3)

GCU 121: World Geography (SB & G) (4)

GCU 241: The Global Economy in Transition (SB & G) (3)

Physical Geography -- 4 credit hours

GPH 111: Introduction to Physical Geography (SQ) (3)

GPH 112: Introduction to Physical Geography Lab (SQ) (1)

Upper-Division Electives -- 12 credit hours

GPH OR GCU OR GIS Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in geography; BS in geography (urban studies); BS in geography (meteorology-climatology)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor in geography helps make students stronger candidates for positions that require an understanding of the Earth's surface, including landforms, water, plants, weather, and people --- and the interactions that take place among those elements. This understanding can be valuable in a variety of careers and fields, including government agencies, nonprofits, sustainability, city and urban planning, tourism, business, marketing, and community outreach.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Geographical Sciences and Urban Planning

<https://sgsup.asu.edu/degree-programs/undergraduate-minors-and-certificates/geography>

COOR 5681

SGSUP.advising@asu.edu

480-965-7533

## Geological Sciences Minor (LAGLGMIN)

**Campus:** Tempe

**Description:**

The geological sciences minor is designed for students interested in developing a basic understanding of earth science and analyzing issues through a scientific viewpoint.

**Program Requirements:**

The minor in geological sciences consists of 21 credit hours, of which at least 13 credit hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 15 credit hours

GLG 101: Introduction to Geology I (Physical) (SQ) (3)

GLG 103: Introduction to Geology I-Laboratory (SQ) (1)

GLG 102: Introduction to Geology II (Historical) (SG & H) (3)

GLG 104: Introduction to Geology II-Laboratory (SG) (1)

GLG 310: Structural Geology (3)

GLG 321: Mineralogy (3)

SES 401: Earth and Space Exploration Colloquium (1)

Electives -- 6 credit hours

GLG Upper Division Elective (6)

Courses in other related subjects may be approved by an academic advisor in the School of Earth and Space Exploration. Students should receive approval for substitutions prior to registration.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in earth and environmental studies; BS in earth and space exploration (astrobiology and biogeosciences); BS in earth and space exploration (geological sciences)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor in geological sciences can help students advance their career options with marketable skills that align with their major areas of study, such as sustainability, civil and construction engineering, forestry and resource management.

The geological sciences minor provides a solid background in earth materials and processes that are fundamental to careers in environmental engineering and planning, science education, hydrogeology, water resources, scientific publishing, and careers in many other government and nongovernmental agencies.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Earth and Space Exploration

<https://sese.asu.edu>

ISTB4 795

[sese-advising@asu.edu](mailto:sese-advising@asu.edu)

480-965-5081

## German Minor (LAGERMIN)

**Campus:** Tempe

**Description:**

Students pursuing a minor in German gain an understanding of the language, literature and cultures of German-speaking peoples and regions. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Students should go to <https://mystudyabroad.asu.edu/> (<https://mystudyabroad.asu.edu/>) for more information.

**Program Requirements:**

The German minor requires 18 credit hours, of which 15 must be upper-division. Three credit hours of GER 200-level coursework may be applied to the German minor. Course substitutions are allowed for heritage and advanced speakers of the language. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

GER 200-Level Coursework (choose one) -- 3 credit hours

GER 201: Intermediate German I (G) (4)

GER 202: Intermediate German II (G) (4)

GER 210: Intensive German II (G) (6)

Three credit hours of 200-level coursework will be applied to the minor and any additional credit hours earned will be applied toward university elective hours.

Required Course -- 3 credit hours

GER 312: Readings in German Culture (G) (3)

Choose two courses -- 6 credit hours

GER 310: Advanced German Grammar and Composition I (G) (3)

GER 311: German Conversation (G) (3)

GER 313: Advanced German Grammar and Composition II (G) (3)

GER 319: Business German (G) (3)

Upper Division GER Electives -- 6 credit hours

GER Upper Division Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in German

Other Enrollment Requirements: None

Students who wish to add a minor in German to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor enables students to enhance the marketable skills and knowledge they acquire in their major program and to also develop additional competencies. A minor in German studies helps students with communication and cultural competency skills as they pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Global Health Minor (LASSHMIN)

**Campus:** Tempe, Online

**Description:**

The minor in global health is a transdisciplinary program designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved.

Global health is understood in the anthropological sense, meaning ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time and that can integrate knowledge of health's social, historical, biological and ecological dimensions.

**Program Requirements:**

The minor in global health is comprised of 18 credit hours, at least 12 of which must be upper-division. A minimum grade of "C" (2.00 on a scale of 4.00) is required for courses used toward the minor. This minor is also available in an online format to complement the studies of ASU Online students.

Required Core Course -- 3 credit hours

ASB 100: Introduction to Global Health (SB & G) (3)

Upper-Division Core Electives (choose three) -- 9 credit hours

AFR 383: Blacks in Science, Medicine and Public Health (3)

ASB 300 / SSH 300: Food and Culture ((L or SB) & C) (3)

ASB 301 / HST 301 / SSH 301: Global History of Health (SB & G & H) (3)

ASB 305: Poverty and Global Health ((L or SB) & G) (3)

ASB 316: Money and Culture (L or SB) (3)

ASB 327: Disaster! ((L or SB) & C) (3)

ASB 355: Traditional Medicine and Healing (HU or SB) (3)

ASB 357: Society, Drugs and Health (SB & G) (3)

ASB 370 / SOS 370: Ethics of Eating (L or SB) (3)

ASB 376: Global Health Policy (3)

ASB 378 / TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) (3)

ASB 457: Global Mental Health ((L or SB) & G) (3)

ASB 462: Medical Anthropology: Culture and Health (SB & C) (3)

ASM 345: Disease and Human Evolution (3)

ASM 401: Health and Human Biology (3)

ASM 403 / BIO 403: Evolutionary Medicine and Global Health (3)

ASM 414: Environmental Health (SB) (3)

ASM 456: Infectious Disease and Human Evolution (3)

HPS 331 / BIO 318: History of Medicine (HU & H) (3)

HST 304: Black Death: Pandemic Disease in the Medieval World (3)

MIC 314 / SSH 314: HIV/AIDS: Science, Behavior, and Society (3)

NTR 348: Cultural Aspects of Food (SB & C & G) (3)

NTR 450: Nutrition in the Life Cycle (SB) (3)

SGS 340: Violence, Conflict and Human Rights (3)

SGS 350: Economic Development and Globalization (3)

SOC 424: Women and Health (SB) (3)

SOC 427: Sociology of Health and Illness (SB) (3)

TCL 323: Latina/o Health Issues (SB & C) (3)

TCL 326: Health of Chicanas and Latinas (SB & C) (3)

TCL 327: Health and Migration (SB) (3)

TCL 410 / SOC 410: Race, Medicine, and the Body (L) (3)

TCL 447 / SGS 454 / SOS 447 / WST 447: Gender, Culture, and Development ((L or SB) & G) (3)

WST 360: Women as Healers (SB & G) (3)

WST 365: Women and International Health (G) (3)

WST 380 / AMS 380 / ETH 380: Race, Gender, and Class (SB & C) (3)

WST 440: Politics of Women's Health (SB & C) (3)

WST 444: Gender, Health, and Bodies (SB) (3)

Study Abroad Experience -- 6 credit hours

SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) or students choose another approved global health study abroad experience (summer session, six credits minimum) (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in global health

Other Enrollment Requirements:

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.



**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations (such as migrants, minorities and those living in poverty), and many of these jobs are directly or indirectly related to health.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
480-965-6215

## Global Studies Minor (LASGSMIN)

**Campus:** Tempe, Online

**Description:**

The minor program in global studies offers students exposure to global processes and institutions from a transdisciplinary perspective. The program aims to provide students with an introduction to the tools and skills necessary to make connections linking theory with challenging global issues.

**Program Requirements:**

The minor in global studies consists of 18 credit hours, of which 12 credit hours must be upper-division. A minimum of six upper-division credit hours must be taken in courses offered by The College of Liberal Arts and Sciences. Only courses completed with a grade of "C" (2.00 on a scale of 4.00) or better can be used to satisfy minor requirements.

Required Courses -- 6 credit hours

SGS 101: Thinking Globally: The Individual and Authority (SB & G) or SGS 301: Principles of Global Studies (G) (3)

SGS 303: Global Trends (SB & G) (3)

Electives -- 12 credit hours

SGS Elective (3)

SGS Upper Division Elective (9)

A maximum of three credit hours of SGS 484 International Experience or three credit hours of SGS 499 Individualized Instruction may be applied to the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in global studies

Other Enrollment Requirements: None

An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in global studies can help students as they pursue careers in diplomacy and international relations, international sales or marketing, or international trade.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies

<https://spgs.asu.edu/>

COOR 6797

[spgs-ugadvising@asu.edu](mailto:spgs-ugadvising@asu.edu)

480-965-8563

## Health Care Compliance and Regulations Minor (NUHCCRMIN)

**Campus:** Downtown Phoenix, West

**Description:**

The minor program in health care compliance and regulations integrates best practices from the business, regulatory, ethics and engineering fields as well as from the medical industry. Students acquire the foundational and advanced knowledge that is required for support of regulatory compliance in a health-focused environment, and the minor's focus on regulatory and ethical compliance enhances a student's major discipline.

**Program Requirements:**

A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 16 credit hours

HCR 259: Compliance and the Health Care Industry (4)

HCR 263: Introduction to Medical Billing and Compliance (3)

HCR 360: Data Security and Privacy in Health Care Compliance (3)

HCR 362: Monitoring and Auditing for Health Care Compliance (3)

HCR 460: Investigations and Disclosures in Health Care Compliance (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in health care compliance and regulations

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students pursuing a minor find that the course in a minor complement and enhance the skill sets and knowledge acquired while pursuing their major program. Although most career areas require more training than a minor can provide, students pursuing the health care compliance and regulations minor often pursue a career on the administrative side of health care organizations.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## Health Care Coordination Minor (NUHCCOMIN)

**Campus:** Downtown Phoenix, West

**Description:**

A minor in health care coordination allows students to combine the knowledge of their major discipline with the foundational and advanced concepts of health care coordination. Students completing this innovative minor have the knowledge that enables them to navigate the health care system and assist in the coordination of health care for individuals and families and to optimize outcomes.

**Program Requirements:**

A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 18 credit hours

HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) (3)

HCR 221: Foundational Concepts for Health Care Coordination (3)

HCR 302: Social Determinants of Health (3)

HCR 321: Advanced Concepts for Health Care Coordination (3)

HCR 420: Professional Role Development: Health Care Coordination (3)

HCR 422: Policy and Financial Principles in Health Care Coordination (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in health care coordination

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students pursuing a minor find that the courses in a minor complement and enhance the skill sets and knowledge acquired while pursuing their major program. Although most career areas require more training than a minor can provide, students completing the health care coordination minor

often pursue employment in an organization focused on health care.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## Health Innovation Minor (NUHCIMIN)

**Campus:** Downtown Phoenix, West

**Description:**

The health innovation minor provides students with the foundational concepts necessary for them to contribute to transformational change in real-world health situations. This program gives students an understanding of entrepreneurial thinking as well as initiating, implementing and sustaining innovation in health settings.

**Program Requirements:**

A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Course -- 3 credit hours

HCI 311: Health Innovation: Foundational Concepts (3)

Electives (select four) -- 12 credit hours

HCI 150: Introduction to Health Innovation (3)

HCI 250: Health Entrepreneurship and Value Creation (3)

HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing (3)

HCI 344: Management and Leadership in Health Organizations (3)

HCI 412: Transforming Health Care: A Systems Perspective for Innovation (3)

HCI 421: Health Care Policy: The Innovator's View (3)

HCI 425: Facilitating Innovation to Achieve Outcomes (3)

HCI 428: Technology: A Tool to Advance Innovation in Health Care (3)

HCI 494: Special Topics (3)

Notes: Any 3 credit hour topic will count towards the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in health innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students pursuing a minor find that the courses in a minor complement and enhance the skill sets and knowledge acquired while pursuing their major program. Although most career areas require more training than a minor can provide, students completing the health innovation minor often pursue employment in an organization focused on health care and utilize their skills to help impact change within the organization.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## History Minor (ASHISMIN)

**Campus:** West

### **Description:**

The minor program in history educates students in the methods and the use of basic tools of the historical discipline. Students are exposed to a broad span of history, both temporally and geographically, ranging from the ancient world through the modern period and extending from Europe to Latin America and the United States.

The program is offered by the School of Humanities, Arts and Cultural Studies.

### **Program Requirements:**

The minor in history consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students wishing to pursue the minor should meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses used to satisfy requirements for the minor must be passed with a grade of "C" (2.00) or better.

#### History Survey Requirements -- 6 credit hours

Choose one of the following survey sets. If choosing to complete the European History/Western Civilization survey, complete two of three courses.

HST 100: Global History to 1500 (HU & H & G) AND HST 101: Global History Since 1500 (HU & H & G) (6)

HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H) or HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H) or HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H) (3)

HST 109: United States to 1865 ((HU or SB) & H) AND HST 110: United States Since 1865 (SB & H) (6)

#### Upper-Division History Electives -- 9 credit hours

HST 495: Methods of Historical Inquiry (L) (<https://webapp4.asu.edu/catalog/courselist?s=HST&l=upperdivision&t=2217&hon=F>) > HST Upper Division Elective (9)

#### History Capstone Course -- 3 credit hours

(3)

Students must complete a minimum of six upper-division credit hours in History before enrolling in HST 495.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in history

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

Graduates of this minor are prepared for graduate study, for professional degree programs and for careers in which critical thinking, research and writing skills are highly valued, such as journalism, editing, law and civil service.

### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/history-minor>  
FAB N100  
harcadvising@asu.edu  
602-543-3000

## History Minor (LAHISMIN)

**Campus:** Tempe, Online

### Description:

Students who pursue the minor in history study the growth and development of human society from all aspects: political, social, economic and cultural. The program covers the history of the United States, Europe, Asia, Latin America and Africa. By providing an understanding of how the various regions of the world developed, the minor in history enables students to understand today's complex world.

### Program Requirements:

The history minor consists of 18 credit hours of coursework, at least 12 of which must be upper-division. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses in the minor. A minimum of six upper-division credit hours must be in courses offered by The College of Liberal Arts and Sciences.

The minor in history is available to students in both on campus and ASU Online degree programs. ASU Online students choose courses from the designated track lists below.

Lower-Division Core Survey Courses (choose two) -- 6 credit hours

HST 100: Global History to 1500 (HU & H & G) (3)

HST 101: Global History Since 1500 (HU & H & G) (3)

HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H) (3)

HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H) (3)

HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H) (3)

HST 106: Asian Civilizations ((HU or SB) & G & H) (3)

HST 108: Introduction to Japan (SB & G & H) (3)

HST 109: United States to 1865 ((HU or SB) & H) (3)

HST 110: United States Since 1865 (SB & H) (3)

HST 111: Introduction to Asia (HU & H & G) (3)

Geographic Focus Courses (choose one course from each geographic area) -- 9 credit hours

Upper-Division Courses in African, Asian or Latin American History (choose one)

HST 302: Envisioning Peace (3)

HST 302: Gender and Sexuality in Islam (3)

HST 302: Slavery Systems in Africa (3)

HST 303: Studies in Asian History (3)

HST 305: Studies in Latin American History (3)

HST 307: Studies in African History (H) (3)

HST 336: Islamic Civilization (HU & H) (3)

HST 339: Islam in the Modern World (HU & G) (3)

HST 372: Modern Middle East (SB & G & H) (3)

HST 375: Colonial Latin America (SB & H) (3)

HST 376: Modern Latin America (SB & G & H) (3)

HST 383: China (SB & H) (3)

HST 384: Modern China: 1700 to the Present (SB & G & H) (3)

HST 385: History of Chinese Medicine (HU & H & G) (3)

HST 386: Interpreting China's Classics ((L or HU) & H) (3)

HST 387: Japan ((L or SB) & H) (3)

HST 388: Japan (SB & G & H) (3)

HST 389: Japan Society and Values/Premod (3)

HST 391: Modern Southeast Asia (SB & G & H) (3)

HST 392: Modern India (3)

HST 404: Conquest and Encounters in Colonial Latin America (L & G) (3)

HST 435: The Russian Empire (SB & H) (3)

HST 436: Rise & Fall of Soviet Communism (SB & G & H) (3)

HST 441: Latin America and the World Economy (L & G & H) (3)

HST 443: The United States and Latin America (SB & G & H) (3)

HST 444: Latin American Independence ((L or HU) & G) (3)

HST 445: 20th-Century Cuba (SB & G & H) (3)  
HST 447: Modern Mexico (SB & H) (3)  
HST 451: Chinese Cultural History I ((HU or SB) & H) (3)  
HST 452: Chinese Cultural History II (SB & G & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)  
HST 459: Gandhi and the Politics of Nonviolence (3)

Upper-Division Courses in European History (choose one)

HST 304: Studies in European History (3)  
HST 309: Exploration and Empire ((L or HU) & H) (3)  
HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) (3)  
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) (3)  
HST 348: Rome (SB & H) (3)  
HST 349: Early Middle Ages ((HU or SB) & H) (3)  
HST 350: Later Middle Ages ((HU or SB) & H) (3)  
HST 351: Renaissance Europe ((L or HU or SB) & H) (3)  
HST 352: Europe's Reformations ((L or HU or SB) & H) (3)  
HST 353: Old Regime in Europe (SB & H) (3)  
HST 354: Revolutionary Europe (SB & H) (3)  
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)  
HST 356: Europe since 1945 (SB & G & H) (3)  
HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)  
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)  
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)  
HST 361: Witchcraft and Heresy in Europe ((L or HU) & H) (3)  
HST 362: Sex and Society in Classical and Medieval Europe (SB & H) (3)  
HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H) (3)  
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)  
HST 365: World Wars I and II: Europe's Eastern Front (3)  
HST 366: England to 1689 (SB & H) (3)  
HST 367: Modern Britain (SB & H) (3)  
HST 368: Culture and Imagination in European History (HU & H) (3)  
HST 369: History and Memory of the Holocaust (3)  
HST 370: Eastern Europe in Transition (SB & G & H) (3)  
HST 373: Roman History I: Foundations and Republic (3)  
HST 374: Roman History II: The Roman Empire (3)  
HST 397: Greece and Rome at War (3)  
HST 423: The Tudor Monarchy (SB & H) (3)  
HST 424: The Stuart Monarchy (SB & H) (3)  
HST 426: The British Empire (H) (3)  
HST 427: French Revolution/Napoleonic Era (SB & H) (3)  
HST 429: Modern Germany (SB & G & H) (3)  
HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)  
HST 435: The Russian Empire (SB & H) (3)  
HST 436: Rise & Fall of Soviet Communism (SB & G & H) (3)  
HST 438: Modern Spain ((HU or SB) & G & H) (3)  
HST 439: Athenian Democracy (H) (3)  
HST 465: Women in Europe, 1750 to Present ((HU or SB) & H) (3)

Upper-Division Courses in U.S. History (choose one)

HST 300: Veterans, Society and Service: Experience of America's Modern Wars (3)  
HST 306: Studies in United States History (3)  
HST 314: American Cultural History Since 1865 ((HU or SB) & H) (3)  
HST 315: Political History of the U. S. (SB & H) (3)  
HST 316: 20th-Century U.S. Foreign Relations (SB & H) (3)  
HST 317: History of Postwar U.S. Conservatism (3)  
HST 320: U.S. Urban History since 1850 (SB & H) (3)  
HST 321: Constitutional History/US to 1865 (SB & H) (3)  
HST 322: Constitutional History of the United States Since 1865 (H) (3)  
HST 323: Historical Studies in Race, Crime, and the Law (3)  
HST 325: Immigration and Ethnicity in the United States (SB & H & C) (3)  
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) (3)  
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)  
HST 329: Women in 20th-Century U.S. West (H & C) (3)

HST 331: Mexican American History to 1900 (SB & H & C) (3)  
HST 332: Mexican American History Since 1900 (SB & H & C) (3)  
HST 333: African American History to 1865 (SB & H & C) (3)  
HST 334: African American History Since 1865 ((HU or SB) & C & H) (3)  
HST 335: History of Black Women in America (SB & H) (3)  
HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)  
HST 338: American Indian History since 1900 ((HU or SB) & C & H) (3)  
HST 340: American Military History (SB & H) (3)  
HST 341: U.S. West 19th Century (SB & H) (3)  
HST 342: U.S. West 20th Century (SB & H) (3)  
HST 343: American Southwest ((L or SB) & H) (3)  
HST 344: Arizona (SB & H) (3)  
HST 345: Environmental History (L) (3)  
HST 377: Sports in United States History ((HU or SB) & H) (3)  
HST 379: History of College Sports (3)  
HST 405: Colonial American History to 1763 (SB & H) (3)  
HST 406: American Revolution/1763-1789 (SB & H) (3)  
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H) (3)  
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)  
HST 409: Emergence Modern U.S. 1877-1918 (SB & H) (3)  
HST 412: Contemporary U.S., 1973- Present (SB & H) (3)  
HST 413: Contemporary America ((L or SB) & H) (3)  
HST 414: Political History and Leadership (3)  
HST 419: 20th Century Chicano/a History (C) (3)  
HST 443: The United States and Latin America (SB & G & H) (3)  
HST 448: Mexican/U.S. Border (3)  
HST 449: Mexican Immigration to the U.S. ((L or SB) & H & C) (3)  
HST 456: The Vietnam War (SB & G & H) (3)

Elective -- 3 credit hours

HST 100: Global History to 1500 (HU & H & G) (<https://webapp4.asu.edu/catalog/courselist?s=HST&l=upperdivision&t=2217&hon=F>) > HST Upper Division Elective (3)

ASU Online Minor Requirements

ASU Online Lower-Division Core Survey Courses (choose two) -- 6 credit hours  
(3)

HST 101: Global History Since 1500 (HU & H & G) (3)  
HST 109: United States to 1865 ((HU or SB) & H) (3)  
HST 110: United States Since 1865 (SB & H) (3)

ASU Online Geographic Focus Courses (choose one course from each geographic area) -- 9 credit hours

ASU Online Upper-Division Courses in African, Asian or Latin American History (choose one)

HST 303: Studies in Asian History (3)  
HST 339: Islam in the Modern World (HU & G) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
HST 391: Modern Southeast Asia (SB & G & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)

ASU Online Upper-Division Courses in European History (choose one)

HST 304: Studies in European History (3)  
HST 309: Exploration and Empire ((L or HU) & H) (3)  
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) (3)  
HST 354: Revolutionary Europe (SB & H) (3)  
HST 361: Witchcraft and Heresy in Europe ((L or HU) & H) (3)  
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)

ASU Online Upper-Division Courses in U.S. History (choose one)

HST 306: Studies in United States History (3)  
HST 314: American Cultural History Since 1865 ((HU or SB) & H) (3)  
HST 325: Immigration and Ethnicity in the United States (SB & H & C) (3)  
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) (3)  
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)



HST 332: Mexican American History Since 1900 (SB & H & C) (3)  
HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)  
HST 338: American Indian History since 1900 ((HU or SB) & C & H) (3)  
HST 340: American Military History (SB & H) (3)  
HST 345: Environmental History (L) (3)  
HST 379: History of College Sports (3)  
HST 406: American Revolution/1763-1789 (SB & H) (3)  
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H) (3)  
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)  
HST 413: Contemporary America ((L or SB) & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)

ASU Online Elective -- 3 credit hours  
HST Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in history; BA in history (secondary education); BAE in secondary education (history)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in history can help students as they pursue careers in many fields, including education, law, public administration, social services, foreign service and communications.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/minor-history--tempe-minor>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## History Minor (LSHISMIN)

**Campus:** Polytechnic

**Description:**

The minor in history focuses on American history, European history, Southwest history, environmental history, the history of technology, the history of engineering and related fields.

**Program Requirements:**

The history minor consists of 18 credit hours. All coursework for the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours  
HST Elective (6)

HST Upper Division Elective (12)

Notes: A minimum of six credit hours must be taken in courses offered by the College of Integrative Sciences and Arts.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in history; BA in history of science, ideas and innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in history can help students as they pursue careers in education, historical interpretation and conservation, legal professions, as archivists and curators, or in any position requiring critical thinking, research and writing skills.

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

CISA@asu.edu

480-727-1526

## History of Science, Ideas and Innovation Minor (LSHSIIMIN)

**Campus:** Polytechnic

**Description:**

Science and technology shape every facet of modern human life, but all too frequently the underlying histories and ideas go unexamined. The minor program in the history of science, ideas and innovation helps students understand how society reached its present state and helps them reflect on what the future might hold by providing a foundation in the social and intellectual issues central to understanding the intertwined histories of science, technology and ideas.

**Program Requirements:**

The minor of history of science, ideas and innovation requires 15 credit hours, including a minimum of 12 credit hours of upper-division. A minimum of six upper-division credit hours must be taken in courses offered by the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Course -- 3 credit hours

HST 280: History of Science, Ideas and Innovation (SB & G & H) (3)

Elective Courses (choose four) -- 12 credit hours

HST 309: Exploration and Empire ((L or HU) & H) (3)

HST 318: History of Engineering ((L or SB) & G) (3)

HST 319: History of Aviation (H) (3)

HST 345: Environmental History (L) (3)

HST 380: Studies in the History of Science (3)

HST 381: Studies in the History of Ideas (3)

HST 382: Studies in the History of Innovation and Technology (H) (3)

## HST 482: Writing and the History of Science, Ideas and Technology (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00 cumulative GPA

Incompatible Majors: BA in history; BA in history of science, ideas and innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in the history of science, ideas and innovation can help students as they pursue careers in education, historical interpretation and conservation, legal professions, compliance and regulation of technology, or in any position requiring critical thinking, research and writing skills.

### **Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## **Human Nutrition Minor (ECNTRMIN)**

**Campus:** Downtown Phoenix

### **Description:**

The human nutrition minor program is available to any ASU student interested in a strong scientific understanding of human nutrition.

### **Program Requirements:**

The minor requires students to take the following courses, for a total of 19 credit hours. All courses in the minor require a minimum grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 19 credit hours

NTR 241: Human Nutrition (3)

NTR 341: Medical Nutrition Therapy I (3)

NTR 440: Advanced Human Nutrition I (3)

NTR 441: Advanced Human Nutrition II (3)

NTR 444: Medical Nutrition Therapy II (3)

NTR 446: Medical Nutrition Therapy III (4)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in Dietetics, BS in Nutritional Sciences, BS in Food and Nutrition Entrepreneurship,; BS in Health Sciences (Healthy Lifestyles Coaching); BAS in Food Service Management

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in human nutrition have enhanced knowledge of how food is digested and metabolized in the body. This information is valuable for those pursuing careers in the health and medical field.

#### **Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/home>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## **Human Systems Engineering Minor (ESHSEMIN)**

**Campus:** Polytechnic, Online

#### **Description:**

The minor in human systems engineering in the Ira A. Fulton Schools of Engineering provides students with an understanding of the science of human performance and with experience using methods and tools that will enable them to apply their understanding to design and problem-solving. These skills can be used in a wide variety of domains, such as product usability, learning design, sports performance, and workplace and hospital safety.

#### **Program Requirements:**

The minor requires 21 credit hours. All required minor courses must be passed with a "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 18 credit hours

HSE 101: Introduction to Human Systems Engineering (SB) (3)  
HSE 225: Human Systems Integration (3)  
HSE 230: Statistics for Human Systems Research I (CS) (3)  
HSE 290: Experimental Methods for Human Systems Research (L) (3)  
HSE 323: Perceptual Systems (SB) or HSE 324: Applied Cognitive Science (SB) (3)  
HSE 325: Human-Computer Interaction (3)

Elective Course -- 3 credit hours

HSE 422: Human Factors in Sport (3)  
HSE 423: Human Factors in Transportation (3)  
HSE 424: Human Automation Interaction (3)  
HSE 425: Human Factors in Medical Systems (3)  
HSE 426: Training and Expertise (3)  
HSE 427: Designing for Learning (3)  
HSE 428: Judgment and Decision Making (3)  
HSE 429: Product Design and Evaluation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in human systems engineering

Other Enrollment Requirements: None

Students should consult with a Polytechnic School advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should go to <https://fultonapps.asu.edu/advising> (<https://fultonapps.asu.edu/advising>).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A broad range of professions need experts in human factors to work on problems that involve an understanding of human performance. Interest areas include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, health psychology, learning optimization, social cognition, threat detection and sports psychology.

The human systems engineering minor prepares students for industry and government careers in positions such as:

- game designer
- human factors engineer
- human systems integrator
- interface designer
- user experience designer
- usability engineer

Graduates may work as a member of a design team for a product or system.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu/hse/>  
WANER 240J  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## Innovation in Society Minor (FIFISMIN)

**Campus:** Tempe, Online

**Description:**

The minor in innovation in society equips students with the tools needed for analyzing how science, technology and other social forces shape our present and future. Students cultivate the critical thinking skills they need to develop creative strategies that steer innovation toward the needs and values of society. Students are trained to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can develop proposals for how to build better futures. This enables students to understand the broader context of their major and helps them mesh those studies with other disciplines to develop more encompassing solutions to important problems.

**Program Requirements:**

Required Courses -- 15 credit hours  
FIS 111: Welcome to the Future (3)  
FIS 201: Innovation in Society (H) (3)  
FIS 305: Ways of Knowing (L) (3)  
FIS Upper Division Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this

minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Career Opportunities:**

Completing this minor can help students bring about positive change in a diverse workforce. The unique knowledge and skills gained from this program enhance a student's bachelor's degree and career opportunities. The minor can complement any career path in a variety of sectors, whether business, technology, science, education or government.

**Contact Information:**

Global Futures, College of

School for the Future of Innovation in Society

<https://sfis.asu.edu/degree/innovation-society-1>

WGHL 108

[cgfadvising@asu.edu](mailto:cgfadvising@asu.edu)

480-727-6963

## Integrative Health Minor (NUIHLTMIN)

**Campus:** Downtown Phoenix, West

**Description:**

The integrative health minor program provides students with the foundational knowledge they need to approach health from a holistic perspective that focuses on the mind, body and spirit. This program provides an overview of holistic approaches as well as emphasizes research, evidence-based approaches and the legal, ethical, historical and cultural foundations of integrative health care.

**Program Requirements:**

This minor requires 18 credit hours. A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 15 credit hours

HCR 241: Foundations of Integrative Health (3)

HCR 341: Biological, Manipulative, and Body-Based Therapies (3)

HCR 342: Mind-Body and Energy Therapies and Modalities (3)

HCR 343: Historical and Cultural Foundations of Integrative Health Care (3)

HCR 440: Interprofessional Approaches to Integrative Health Care (3)

Elective -- 3 credit hours

BIO OR CHM Elective (3-4)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in integrative health

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

Students pursuing a minor find the courses in a minor complement and enhance the skill sets and knowledge acquired while pursuing their major program. Although most career areas require more training than a minor can provide, students completing the integrative health minor often pursue employment in an organization focused on health care.

#### **Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/minors>  
MERCC 250  
CONHI\_advising@asu.edu  
602-496-0888

## **Integrative Social Science Minor (LSISSMIN)**

**Campus:** Polytechnic

#### **Description:**

The minor program in integrative social science is designed to provide general education in the social sciences to individuals who desire exposure to the variety of theories and methods of social scientists. Individuals seeking to expand their analytical, problem-solving and strategic planning skill sets benefit from this minor.

The minor is useful to engineers, technologists and other professionals whose specialized education may not have given them access to social science research theories and methodologies, though their professional activities demand knowledge of those tools.

#### **Program Requirements:**

The minor requires 18 credit hours, including 15 credit hours of required courses and three credits hours of electives.

Because of their specific design for this particular minor, the 15 credits hours of required courses may not be substituted, nor may transfer hours be used to satisfy the requirements.

Required Courses -- 15 credit hours

ISS 301: Integrated Social Science Research Methods (SB) or POS 301: Empirical Political Inquiry (SB) or STS 301: Research in Science and Technology Studies (SB) (3)

ISS 302: Scope of Social Science (SB) (3)

ISS 304: Integrated Theories of Social Science (SB) (3)

ISS 401: Statistics for Integrated Social Science (MA) or POS 401: Political Statistics (CS) or STS 401: Statistics in Science and Technology Studies (CS) (3)

STS 304: Science, Technology and Society (SB) (3)

Elective Course (choose one) -- 3 credit hours

POS 316: American Political Institutions (3)

POS 325: Public Policy Development (SB) (3)

POS 485: Political Economy (SB) (3)

SOC 332: The Modern City (G) (3)

SOC 352: Social Change (SB & G & H) (3)

SOC 420: Sociology of Religion (L or SB) (3)

SOC 421: Education and Society (SB) (3)

STS 306: Social Effects of Science and Technology (SB) (3)

STS 317: Science, Technology, and Global Engagement (SB & G) (3)

STS 329: Technology in Developing Countries (SB & G) (3)

STS 330: Information Technology and Globalization (SB & G) (3)

STS 331: Ethical Issues in Science and Technology (SB) (3)  
STS 332: Global Issues in Science and Technology (SB) (3)  
STS 364: Science, Technology, and National Security (SB) (3)  
WST 300: Women and Gender in Contemporary Society (SB & C) (3)  
WST 380: Race, Gender, and Class (SB & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in integrative social science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in integrative social science can help students expand skills in the analysis of social phenomena and complex social problems as they pursue careers in strategic analysis, economics and politics.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Interdisciplinary Organizational Studies Minor (ASIOSMIN)

**Campus:** West

**Description:**

The minor program in interdisciplinary organizational studies is designed to increase students' understanding of the behavioral dynamics of individuals and groups in the workplace. It incorporates perspectives from the behavioral and social sciences, communication studies and management.

The minor is learner-centered and allows students to select coursework that matches their career and educational goals.

The program is offered by the School of Social and Behavioral Studies.

**Program Requirements:**

The minor in interdisciplinary organizational studies consists of 21 credit hours (a minimum of 18 credit hours must be upper division). Six upper-division credit hours must be taken from the School of Social and Behavioral Sciences. The research methods course must be approved by an academic advisor prior to enrollment. Students will complete 12 credit hours in courses focused on organizations and three credit hours from courses focused on diversity within organizations. The internship site must be approved by the Internship Advisor prior to enrollment. All courses used to satisfy the requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

PSY 453: Organizational Behavior (SB) (3)



A research methods course must be chosen in consultation with an academic advisor in the School of Social and Behavioral Sciences from the following:

COM 308: Advanced Research Methods in Communication (L) (3)

PSY 230: Introduction to Statistics (CS) (3)

SBS 304: Social Statistics I (CS) (3)

Cluster 1 - Courses Focused on Organizations -- 12 credit hours

Choose four courses from the following list:

COM 320: Communication and Consumerism (SB) (3)

COM 400: Dissent in Organizations (HU & C) (3)

COM 450: Organizational Communication (SB) (3)

COM 451: Communication and Work Relationships (3)

COM 453: Communication Training and Development (3)

PHI 360: Business and Professional Ethics (HU) (3)

PSY 482: Social Influence and Consumer Behavior (SB) (3)

PSY 484 / COM 484: Internship or SOC 484: Internship (3)

SOC 443: Sociology of Corporations (SB & G) (3)

Cluster 2 - Courses Focused on Diversity Within Organizations -- 3 credit hours

Choose one course from the following list:

COM 463: Intercultural Communication in a Global Context (SB & G) (3)

POS 437: Women, Power, and Politics (G) (3)

SOC 270: Racial and Ethnic Relations (SB & C) (3)

SOC 400: Perspectives on Aging (SB) (3)

SOC 426: Social Inequality (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in interdisciplinary organizational studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students with a minor in interdisciplinary organizational studies are well-suited for employment as a human relations analyst, employee training and development manager, corporate communications specialist, customer service and customer relations manager, EEO representative, labor organizer or mediator.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences

<https://newcollege.asu.edu/interdisciplinary-organizational-studies-minor>

FAB N100

sbsadvising@asu.edu

602-543-3000

## Interior Design History Minor (ARINTMIN)

**Campus:** Tempe

**Description:**

The minor in interior design history is available to students interested in studying design and culture across many time periods.

The courses designated for the minor are part of the professional studies in interior design environments. The coursework introduces theories informing the professions of architecture, decorative arts and interior design while also examining cultures and history from around the globe.

**Program Requirements:**

A minimum of 18 credit hours (12 credit hours of which must be from the 300 or 400-level) are required for the minor. A minimum grade of "C" (2.00) is required in all courses for the minor. To enhance the understanding of the subject matter, the selected courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which any of these courses are offered. A minimum GPA of 2.50 in minor courses is required to earn the minor in interior design history.

**Required Courses -- 12 credit hours**

DSC 101: Design Awareness (HU & G) (3)

INT 111: Interior Design Issues and Theories (HU) (3)

INT 310: History of Interior Design I (HU & H) (3)

INT 311: History of Interior Design II (HU & H) (3)

**Interior Design History Courses -- 6 credit hours**

APH 300: World Architecture I/Western Cultures (HU & H & G) (3)

INT 415: Latin American Design or INT 494: Design and Culture in Latin America (3)

INT 494: Contemporary Design Issues in Europe (3)

INT 494: Design and Context (3)

INT 494 "Contemporary Design Issues in Europe" and INT 494 "Design and Context" are offered as part of a summer study abroad program only.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BSD in interior design

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

The minor in interior design history can complement professional studies in architecture, interior design, environmental design, art, education and history. Degrees within these disciplines can lead to professional positions within studio design firms, design administration and design education.

**Contact Information:**

Design and the Arts, Herberger Institute for

The Design School

<https://design.asu.edu/degree-programs>

CDN 162

herbergeradvising@asu.edu

480-965-4495

**Italian Minor (LAITAMIN)**

**Campus:** Tempe

**Description:**

Students pursuing a minor in Italian gain an understanding of the language, literature and cultures of Italian-speaking peoples and regions.

Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience and should go to <https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages> (<https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages>) for more information.

**Program Requirements:**

The Italian minor requires 18 credit hours. A minimum of 12 credit hours must be upper-division. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

ITA 311: Speak Italy: Language, People, Culture (G) or ITA 312: Write Italy: Language, People, Culture (L & G) (3)

ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H) or ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)

Electives -- 12 credit hours

Students may apply a maximum of six credit hours of 200-level ITA courses toward the minor. If both ITA 201 and ITA 202 are completed, the remaining two credit hours will be counted toward university elective credit. All remaining electives must be upper-division ITA courses, of which at least three credit hours must be completed at the 400-level.

ITA 201: Intermediate Italian I (G) (4)

ITA 202: Intermediate Italian II (G) (4)

ITA 210: Intensive Italian II (G) (6)

ITA 311: Speak Italy: Language, People, Culture (G) (3)

ITA 312: Write Italy: Language, People, Culture (L & G) (3)

ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G) (3)

ITA 319: Italian for Professions (3)

ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H) (3)

ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)

ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)

ITA 394: Special Topics (1-4)

ITA 413: Advanced Italian (G) (3)

ITA 414: French and Italian Popular Culture ((L or HU) & G) (3)

ITA 420: Italian Cinema (L & G) (3)

ITA 423: Italian Organized Crime in Films and History ((L or HU) & G) (3)

ITA 484: Internship (3)

ITA 494: Special Topics (1-4)

ITA 499: Individualized Instruction (3)

Additional courses can be used toward minor electives with permission of an academic advisor in the School of International Letters and Cultures.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Italian

Other Enrollment Requirements: None

Students who wish to add a minor in Italian to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor in Italian studies enables students to enhance the marketable skills and knowledge they acquire in their major program with additional communication and cultural competencies.

Students with the minor often pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Justice Studies Minor (LAJUSMIN)

**Campus:** Tempe, Online

**Description:**

The minor program in justice studies is designed for students interested in developing an understanding of the meaning of justice and injustice and in analyzing controversial issues. In addition to the two required core courses, students are able to select electives that align with their specific interests.

**Program Requirements:**

The minor requires a minimum of 18 credit hours. At least 12 credit hours must be at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

JUS 105: Introduction to Justice Studies (SB) or JUS 305: Principles of Justice Studies (SB) (3)

JUS 303: Justice Theory (L) (3)

Electives -- 12 credit hours

Select any JUS course except JUS 301, JUS 302 or any course listed as a required course for Justice Studies majors.

JUS Elective (3)

JUS Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in justice studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. Those with a minor in justice studies are able to bring specialized

knowledge and skills pertaining to social justice concerns to a variety of professional careers, including law, education, public service, and human welfare and social work.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/graduate/minor-justice-studies-minor>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## Kinesiology Minor (NHKINMIN)

**Campus:** Downtown Phoenix, ASU@Lake Havasu

**Description:**

The minor program in kinesiology introduces students to the concepts, theories, research and careers related to the four major subdisciplines of kinesiology (motor behavior, exercise and health psychology, biomechanics and exercise physiology). Students in the minor select one of these four subdisciplinary areas as the area of emphasis on which to focus in the upper-division requirements for the minor.

**Program Requirements:**

18 credit hours are required for the minor. Students begin by taking KIN 101 Introduction to Kinesiology and KIN 290 Introduction to Evidence-Based Practice. After this, students will select a track in one of the four subdisciplines.

\*All track courses must come from a single track.

Required Core Courses for all Tracks -- 6 credit hours

KIN 101: Introduction to Kinesiology (3)

KIN 290: Introduction to Evidence-Based Practice (L) (3)

Biomechanics Track:

Biomechanics Required Course -- 3 credit hours

KIN 335: Biomechanics (3)

Biomechanics Track Electives (choose three) -- 9 credit hours

KIN 334: Functional Anatomy and Kinesiology (3)

KIN 412: Biomechanics of the Skeletal System (3)

KIN 415: Theory of Corrective Exercise (3)

KIN 418: Experimental Neuromechanics (3)

KIN 494: Functional Anatomy of Low Back Pain (3)

Exercise Physiology Track:

Exercise Physiology Track Required Course -- 3 credit hours

KIN 340: Physiology of Exercise (3)

Exercise Physiology Track Electives (choose three) -- 9 credit hours

KIN 334: Functional Anatomy and Kinesiology (3)

KIN 440: Exercise Biochemistry (3)

KIN 441: Physiology of Women in Sport (L) (3)

KIN 442: Fuel Metabolism (3)

KIN 443: Exercise Endocrinology (L) (3)

KIN 444: Metabolic Adaptations to Exercise Training (3)

KIN 446: Pediatric Obesity (3)

KIN 447: ECG Interpretation (3)

KIN 460: Theory of Strength Training (L) (3)

KIN 465: Muscle Physiology (3)

KIN 466: Cardiovascular Exercise Physiology (3)

KIN 494: Advanced Exercise Physiology (3)

Exercise/Health Psychology Track:

Exercise/Health Psychology Track Required Course -- 3 credit hours

KIN 352: Psychosocial Aspects of Physical Activity (SB & C) (3)

Exercise/Health Psychology Track Electives (choose three) -- 9 credit hours

KIN 334: Functional Anatomy and Kinesiology (3)

KIN 348: Psychological Skills for Optimal Performance (SB) (3)

KIN 450: Biopsychosocial Perspectives on Physical Activity and Health (3)

KIN 452: Exercise Psychology (SB) (3)

KIN 454: Motivational Theory in Exercise and Health (3)

Motor Behavior Track:

Motor Behavior Track Required Course -- 3 credit hours

KIN 345: Motor Behavior (3)

Motor Behavior Track Electives (choose three) -- 9 credit hours

KIN 334: Functional Anatomy and Kinesiology (3)

KIN 421: Human Motor Control (L) (3)

KIN 422: Motor Control in Special Populations (L) (3)

KIN 423: Motor Control and Aging (L) (3)

KIN 424: Neural Aspects of Movement and Rehabilitation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in kinesiology; BS in exercise and wellness (CES); BS in sports science and performance programming

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop additional knowledge and skills, though most career areas do require more training than a minor alone can provide. A kinesiology minor can enhance a student's knowledge of human movement, and this information is valuable for those pursuing careers in the health and medical field.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/kinesiology-0>

HLTHN 401AA

CHS@asu.edu

602-496-3300

## **Korean Minor (LAKORMIN)**

**Campus:** Tempe

**Description:**

The Korean minor program is designed to enrich and deepen students' understanding of Korea by placing special emphasis on obtaining a high level of language proficiency in Korean as well as gaining extensive knowledge of Korean literature, culture, film and linguistics, which are necessary for professional or academic endeavors in areas related to Korea or East Asia.

**Program Requirements:**

The minor in Korean consists of 18 upper-division credit hours in the field. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher. At least 12 credit hours must be taken in courses taught by ASU or completed through a study abroad program administered by ASU and officially recognized by the Korean program.

Required Courses -- 6 credit hours

KOR 313: Third-Year Korean I (G) (3)

KOR 314: Third-Year Korean II (G) (3)

Korean Electives (select four) -- 12 credit hours

KOR 347: Korean Film and Literature (HU) (3)

KOR 350: Women of Korea (H) (3)

KOR 375 / SLC 375: Intercultural Communication in Korea (3)

KOR 401: Advanced Korean I (3)

KOR 402: Advanced Korean II (3)

KOR 415 / SLC 415: Korean Popular Culture (HU & G) (3)

KOR 457 / SLC 457: Premodern Korea in a Global Context (HU) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: Students must have completed KOR 202 Second-Year Korean II with a minimum course grade of a "C" (2.00 on a 4.00 scale) or better or have an equivalent level of Korean language proficiency.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor enables students to enhance the marketable skills and knowledge they acquire in their major program and to also develop additional competencies. A minor in Korean studies equips students with communication and cultural competency skills, a valuable benefit when they pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Landscape Studies Minor (ARLNDMIN)

**Campus:** Tempe

**Description:**

The landscape studies program is designed for students who have an interest in landscape architecture but are pursuing a major in another field.

This minor provides an overview to the topic of landscape architecture and a foundational framework for understanding how shaping the exterior environment can impact life and the environment. The course selection provides greater understanding of landscape architecture concerns particularly relevant in related professional disciplines.

**Program Requirements:**

A minimum of 18 credit hours (to include 12 credit hours of upper-division coursework) are required for the minor. A minimum grade of "C" (2.00) is

required in all courses for the minor.

A minimum GPA of 2.50 in minor courses is required to earn the minor in landscape studies.

Required Courses -- 12 credit hours

ALA 102: Landscapes and Sustainability (HU & G) (3)

LAP 251: Plant Materials for Sustainable Landscapes or ALA 100: Introduction to Environmental Design (HU & H & G) (3)

LAP 311: History of Landscape Architecture (HU & H) (3)

LAP 312: 20th-Century Landscape Architecture (HU) (3)

Landscape Architectural History and Theory -- 6 credit hours

EDS 301: Sustainable Community Design and Practices (3)

LAP 332: GIS Applications in Environmental Design (3)

LAP 352: Ecosystems and Sustainable Design (3)

LAP 413: Landscape Architecture Theory and Criticism (L) (3)

LAP 485: International Field Studies (G) (1-6)

LAP 494: Special Topics (3)

LAP 499: Individualized Instruction (1-3)

Notes: LAP 499 requires a petition to The Design School.

LDE 494: MicroDwell (3)

LDE 494: Special Topics (3)

LPH 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BS in landscape architecture

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. The minor in landscape architecture is intended to augment a degree and expand career possibilities in any of the environmental design disciplines, including architecture, interior design and planning.

**Contact Information:**

Design and the Arts, Herberger Institute for

The Design School

<https://design.asu.edu/>

CDN 162

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Latin American Studies Minor (ASLASMIN)

**Campus:** West

**Description:**

The minor program in Latin American studies offers a learner-driven model in which the student's specific interests are deepened through the study of Latin America. It is interdisciplinary and allows for flexibility in course selection while also instilling a breadth and depth of knowledge about issues surrounding Latin America.



**Program Requirements:**

The minor in Latin American studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken from the School of Humanities, Arts, and Cultural Studies and a minimum of 12 credit hours must be completed at ASU. Relevant course substitutions from other ASU colleges and schools may be permitted with the approval of the Latin American Studies faculty lead and if the course focuses solely upon Latin American Studies. All courses used to satisfy the requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

LAS 205: Deep Roots: Latin America (HU & G) (3)

LAS 206: Locating Latin America: Interdisciplinary Methods (3)

Upper-Division Latin American Studies Electives -- 12 credit hours

AMS 330: American Lives (HU & C) (3)

ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)

COM 477: Sport, Culture, and Discourses (3)

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) (3)

IAP 473: Aesthetic Research (L or HU) (3)

IAP 474: Art and Film (L or HU) (3)

IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)

LAS 330: From the Inside: The Latin American Journey (HU) (3)

LAS 340: Latin American Women Writers (3)

LAS 350: The Construction of a Nation: Chile in the 20th/21st Century (3)

LAS 351: Cityscapes: Urban Mexican Literature and Culture (3)

LAS 355: Contemporary Mexican Cinema: Changing Cartographies (3)

LAS 375: Colonial Latin America (SB & H) (3)

LAS 376: Modern Latin America (SB & G & H) (3)

LAS 394 / POR 394 / SLC 394 / SPA 394: Special Topics (3)

LAS 404: Conquest and Encounters in Colonial Latin America (L & G) (3)

LAS 419: 20th Century Chicano/a History (C) (3)

LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)

LAS 430: Gender on the Borderlands (SB & G) (3)

LAS 441: Latin America and the World Economy (L & G & H) (3)

LAS 449 / SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) (3)

LAS 450: Latina/os, Schooling and Social Inequality (C) (3)

LAS 471: Treaties and Cultural Production in Spain and the Americas (3)

LAS 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) (3)

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) (3)

LAS 494 / POR 494 / SLC 494 / SPA 494: Special Topics (3)

MUS 354: Latin American Popular Music (HU) (3)

NEW 300: International Cities (3)

Notes: NEW 300 International Cities can be used as an Upper-Division Latin American Studies Elective for Latin American cities only.

PHI 306: Applied Ethics (HU) (3)

PHI 360: Business and Professional Ethics (HU) (3)

POS 354: Central American Studies (SB & G) (3)

POS 453: Latin America (SB & G) (3)

POS 454: Mexico (SB & G) (3)

PSY 468: Psychology and Law (3)

REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)

SOC 445: Globalization, Development, and Resistance (SB & G) (3)

SPA 325: Introduction to Hispanic Literature (HU) (3)

SPA 413: Spanish Grammar in Context (G) (3)

SPA 426: Literature and Society in Modern Spain (HU) (3)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)

SPA 429: Writing Mexico: Major Texts ((L or HU) & G) (3)

SPA 434: Drama of the Golden Age (3)

SPA 456: 20th-Century Spanish American Fiction (3)

SPA 464: Jaitón Works in Chicano/a Literature ((HU or SB) & C) (3)

SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)

SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)

SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C) (3)

WST 457: Women, Cultures, and Societies (SB & G) (3)

minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in Latin American studies; BA in social and cultural analysis (Latin American studies)

Other Enrollment Requirements: None

The minor in Latin American studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

This minor encourages cross-cultural exploration and students who pursue it are prepared for a global-minded career path, in fields as diverse as business and finance, arts and arts administration, education, nonprofit organizations, health care, the sciences, psychology, social sciences, sports, journalism, diplomacy, law enforcement and forensic science, ministry, technology, architecture and library science.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/latin-american-studies-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Materials Science and Engineering Minor (ESMSEMIN)

**Campus:** Tempe

**Description:**

The materials science and engineering minor is a program designed to give science and engineering majors an in-depth understanding of materials, including their structure, processing, properties and performance.

**Program Requirements:**

Students are required to take five courses and one lab (minimum of 16 credits), listed below:

Required Courses -- 12 credit hours

MSE 250: Structure and Properties of Materials (3)

MSE 355: Structure and Defects (3)

MSE 356: Thin Film and Microelectronic Devices Lab (<https://webapp4.asu.edu/catalog/courselist?s=MSE&l=300-399&t=2217&hon=F>) > MSE 3\*\*

Elective or MSE 4\*\* Elective (6)

Materials-related Lab Course -- 1 credit hours

(1)

MSE 451: Nanomaterials and Electronics Characterization Lab (1)

Materials-related Course -- 3 credit hours

BME 318: Biomaterials (4)

CEE 353: Civil Engineering Materials (4)

CHE 468: Polymer Principles and Processing (3)

CHM 471: Solid-State Chemistry (3)

EEE 352: Properties of Electronic Materials (4)

EEE 436: Fundamentals of Solid-State Devices (3)

PHY 481: Materials Physics I (<https://webapp4.asu.edu/catalog/courselist?s=MSE&l=300-399&t=2217&hon=F>) > MSE 3\*\* Elective (3)

MSE 4\*\* Elective (3)

(3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

Maintain 2.50 GPA in Minor Courses.

**Enrollment Requirements:**

GPA Requirement: 2.75

Incompatible Majors: BA in interdisciplinary studies with a concentration in materials science and engineering

Other Enrollment Requirements: Students must hold sophomore status to enroll in the materials science and engineering minor. To earn the minor, students must receive a minimum GPA of 2.50 (scale is 4.00 = "A") in all minor courses. Students adding the minor also need to complete MAT 265 (MAT 270), MAT 266 (MAT 271), MAT 267 (MAT 272), MAT 242 (MAT 342 or 343), and CHM 114 or CHM 113 and 116.

Interested students should consult with a School for Engineering of Matter, Transport and Energy advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should contact the SEMTE advising office at 480-965-2335 or [semte@asu.edu](mailto:semte@asu.edu) (<mailto:semte@asu.edu>).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult with their major academic advisor to declare the minor after they have met with a SEMTE advisor to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

For engineering majors, a minor in materials science and engineering could open up career opportunities in nanotechnology, electronics, health care and sustainability and energy. For nonengineering majors, a minor in materials science and engineering can provide a foundation in sustainability, nanotechnology and materials physics.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Materials Science and Engineering Program  
<https://semte.engineering.asu.edu/materials-science-and-engineering-bse/>  
ECG 202  
[semte@asu.edu](mailto:semte@asu.edu)  
480-965-2335

## Mathematics Minor (ASMATHMIN)

**Campus:** West

**Description:**

The minor program in mathematics explores the study of higher mathematics. It is designed to enable the student to understand the mathematics most commonly used in business, economics and science. It is expected that students in the minor will be able to reason and to find creative solutions to problems that are either presented to them or meaningfully formulated by them.

The program is offered by the School of Mathematical and Natural Sciences.

**Program Requirements:**

The minor in mathematics consists of 20 credit hours (a minimum of 12 credit hours must be upper division). A minimum of nine upper-division credit hours must be taken from the School of Mathematical and Natural Sciences. Elective courses not on this list should be approved by an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 14 credit hours

MAT 271: Calculus with Analytic Geometry II (MA) (4)

MAT 272: Calculus with Analytic Geometry III (MA) (4)

MAT 300: Mathematical Structures (L) (3)

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

Upper-Division Elective Courses (choose two courses) -- 6 credit hours

MAT 310: Introduction to Geometry (3)

MAT 371: Advanced Calculus I (3)

MAT 411: History and Philosophy of Mathematics (HU & H) (3)

MAT 421: Applied Computational Methods (CS) (3)

MAT 443: Introduction to Abstract Algebra (3)

MAT 445: Theory of Numbers (3)

MAT 452: Introduction to Chaos and Nonlinear Dynamics (3)

MAT 461: Applied Complex Analysis (3)

MAT 462: Applied Partial Differential Equations (3)

MAT 472: Intermediate Real Analysis I (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in applied mathematics

Other Enrollment Requirements: None

The minor in mathematics is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

The minor is recommended for students who plan to major in interdisciplinary arts and sciences, biology or business and for those who are preparing for further graduate study.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/mathematics-minor>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Mathematics Minor (LAMATMIN)

**Campus:** Tempe

**Description:**

The minor in mathematics is designed for students who want to further their knowledge of mathematics. It is beneficial for students majoring in any field where there is a need for quantification in the analysis of phenomena.

**Program Requirements:**

The minor in mathematics consists of a minimum of 18 credit hours, of which at least 12 must be upper-division. A grade of "C" (2.00 on a 4.00 scale) or better is required for courses used in the minor.

Required Courses -- 9 credit hours

A minimum of 9 credit hours is required. Students completing MAT 271 and MAT 272 will complete a total of 11 credit hours.

MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)

MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

Upper Division Electives -- 9 credit hours

In consultation with an academic advisor in the School of Mathematical and Statistical Sciences, students choose nine credit hours of upper-division coursework in any combination from ACT, MAT and STP subjects. Students complete at least three courses from these subjects.

ACT OR DAT OR MAT OR STP Upper Division Elective (9)

Students may not apply ACT 491, MAT 411 or MAT 485, or any course not offered by The College of Liberal Arts and Sciences to the minor, unless approved by an academic advisor in the School of Mathematical and Statistical Sciences prior to registration.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics; BS in data science, BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Students should confer with an academic advisor in the School of Mathematical and Statistical Sciences before declaring the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Mathematics is foundational and can be applied to many different types of careers. Math is a crucial part of engineering, life sciences, business, physics, economics and social sciences. These are just a few of the top careers possible with a minor in mathematics:

- cryptographer
- engineer
- financial analyst
- mathematician
- operations research analyst
- statistician
- teacher

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>  
WXL R A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Media Analysis Minor (CSCMOMINA)

**Campus:** Downtown Phoenix, Online

**Description:**

The mass media, more than ever before, play vital roles in how information is disseminated and how societies and cultures evolve.

In the media analysis minor, students learn to understand the roles media plays, how they are changing and what impact they make. Students are given the tools they need to critically evaluate, analyze and interpret media messages in order to become wise consumers of media.

**Program Requirements:**

The minor of media analysis consists of 18 credit hours of course work: nine credits of MCO core courses and nine credits of MCO electives. To

pursue the minor in media analysis, students must maintain a minimum 2.00 cumulative GPA, and obtain a minimum grade of "C" (2.00 on a 4.00 scale) in each course in the minor.

**Required Courses -- 9 credit hours**

MCO 120: Media and Society (SB) (3)  
MCO 240: Media Issues in American Pop Culture (3)  
MCO 418: History of Mass Communication (SB & H) (3)

**Elective Courses -- 9 credit hours**

MCO 302: Media Research Methods (3)  
MCO 307: The Digital Audience (3)  
MCO 335: Social Media (3)  
MCO 366: Media Ethics and Diversity (3)  
MCO 403: Media Law (3)  
MCO 425: Digital Media Literacy I (3)  
MCO 426: Digital Media Literacy II (3)  
MCO 430: International Mass Communication (G) (3)  
MCO 431: Media Entrepreneurship (3)  
MCO 450: Visual Communication (HU) (3)  
MCO 456: Political Communication (SB) (3)  
MCO 460: Race, Gender, and Media (C) (3)  
MCO 465: Sports and Media (3)  
MCO 470: Exploring the Business of Journalism (3)  
MCO 473: Sex, Love, and Romance in the Mass Media (SB) (3)  
MCO 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in journalism and mass communication; BA in sports journalism and mass communication; BA in mass communications and media studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor or the department offering the minor for more information:

[https://cronkite.asu.edu/undergrad/minor\\_media\\_analysis](https://cronkite.asu.edu/undergrad/minor_media_analysis) ([https://cronkite.asu.edu/undergrad/minor\\_media\\_analysis](https://cronkite.asu.edu/undergrad/minor_media_analysis)).

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

The ability to understand the way media functions is vital to many industries. As a result, a minor in media analysis helps students as they pursue media roles across communication, journalism and fact-checking, as well as career opportunities in economics, finance and political organizations.

**Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
[https://cronkite.asu.edu/undergrad/minor\\_media\\_analysis](https://cronkite.asu.edu/undergrad/minor_media_analysis)  
CRONK 222  
[cronkiteadvising@asu.edu](mailto:cronkiteadvising@asu.edu)

## Medical Studies Minor (NHMESTMIN)

**Campus:** Downtown Phoenix, Polytechnic, West

### **Description:**

The minor program in medical studies focuses on preparing students for employment in health care and clinical medicine, including in both direct and indirect patient care.

Students take coursework in historical aspects of medicine, ethics in health care, and leadership and professionalism. Students have the option of selecting an internship course that enhances the application of core concepts.

### **Program Requirements:**

Students must earn a "C" or better in courses used for the minor.

Required Courses -- 15 credit hours

HCD 303: Global Health Care Systems (G) (3)

HCD 330: Health Care Systems in the U.S. (3)

MED 300: Historical and Contemporary Issues in Health (L) (3)

MED 320: Applied Medical/Health Care Ethics (HU) (3)

MED 450: Leadership and Professionalism (3)

Elective Course (choose one) -- 3 credit hours

HCD 420: Population Health Management (3)

MED 484: Internship (3)

PBH 422: Health Disparities and Access to Health (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in medical studies; BS in science of health care delivery; BS in health sciences; BS in population health

Other Enrollment Requirements: Students must complete a minimum of 30 credit hours prior to adding the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

The medical studies minor program provides students with the opportunity to acquire valuable skills in health care that can be implemented along with those developed in the major program in a variety of career settings. Some career opportunities include project coordinators, marketing, sales and research.

### **Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/medical-studies>

HLTHS 444AA

chs@asu.edu

602-496-3300

## Military Leadership Minor (LAMISMIN)

**Campus:** Tempe

**Description:**

The minor in military leadership is a program designed to enhance students' learning experience by providing tools that prepare them for leadership roles in various organizations. Students complete courses that cover academic and practical skills in many areas, including:

- effective communication
- leadership ethos
- negotiation
- problem-solving
- staff motivation and empowerment
- team-building

**Program Requirements:**

The minor in military leadership requires a minimum of 18 credit hours, 12 of which must be at the 300- or 400-level. 12 credit hours must be taken in residence on an ASU campus. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Students choose the option befitting their chosen branch of the military. An option is also provided for non-ROTC students wishing to benefit from the skills and knowledge developed in the minor.

**Branch Specific Options -- 18 credit hours**

The branch-specific options for Army, Air Force and Navy require a minimum of 12 credit hours specific to the option, and six credit hours chosen from a list of approved electives. Students choosing the Marine option complete nine credit hours within the branch option courses and nine credit hours from the list of approved electives.

**Army Option**

MIS 301: Training Management and the Warfighting Functions (L) (4)

MIS 302: Applied Leadership in Small-Unit Operations (L) (4)

MIS 401: The Army Officer (4)

MIS 402: Company Grade Leadership (4)

Choose two additional courses from the list of Approved Electives below.

**Air Force Option**

AES 301: Air Force Leadership Studies I (L) AND AES 302: Leadership Laboratory (3)

AES 303: Air Force Leadership Studies II (L) AND AES 304: Leadership Laboratory (3)

AES 401: National Security Affairs (L) AND AES 402: Leadership Laboratory (3)

AES 403: Preparation for Active Duty II AND AES 404: Leadership Lab (3)

Choose two additional courses from the list of Approved Electives below.

**Navy Option**

NAV 301: Naval Ship Systems I (3)

NAV 302: Naval Ship Systems: Weapons (3)

NAV 401: Naval Operations and Seamanship (3)

NAV 402: Leadership and Ethics (3)

NAV 499: Individualized Instruction (3)

Choose two additional courses from the list of Approved Electives below.

**Marine Option**

NAV 303: Evolution of Warfare (3)

NAV 402: Leadership and Ethics (3)

NAV 403: Fundamentals of Maneuver Warfare (3)

Choose three additional courses from the list of Approved Electives below.

**Non-ROTC Option -- 18 credit hours**

The minor also offers an option designed for non-ROTC students desiring the training provided by the minor. Student in the non-ROTC option complete three courses from this list of approved core courses and three courses selected from the list of Approved Electives.

Choose three courses from the following:

AES 301: Air Force Leadership Studies I (L) (3)

AES 303: Air Force Leadership Studies II (L) (3)

AES 401: National Security Affairs (L) (3)

AES 403: Preparation for Active Duty II (3)

MIS 301: Training Management and the Warfighting Functions (L) (4)

MIS 303: National Advanced Leadership Camp (4)

MIS 401: The Army Officer (4)

MIS 402: Company Grade Leadership (4)



NAV 301: Naval Ship Systems I (3)  
NAV 302: Naval Ship Systems: Weapons (3)  
NAV 303: Evolution of Warfare (3)  
NAV 401: Naval Operations and Seamanship (3)  
NAV 402: Leadership and Ethics (3)  
NAV 403: Fundamentals of Maneuver Warfare (3)

Choose three additional courses from the list of Approved Electives below.

#### Approved Electives

Courses can only satisfy one requirement. No course used toward the branch-specific courses or the core courses for the non-ROTC option can be repeated as an elective.

AES 101: Air Force Today I (2)  
AES 103: Air Force Today II (2)  
AES 201: The Evolution of USAF Air and Space Power I (2)  
AES 203: The Evolution of USAF Air and Space Power II (2)  
FAS 101: Personal Growth in Human Relationships (SB) (3)  
FAS 331: Marriage and Family Relationships (SB) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)  
HST 456: The Vietnam War (SB & G & H) (3)  
MIS 101: Introduction to the United States Army (4)  
MIS 102: Foundation of Agile and Adaptive Leadership (4)  
MIS 201: Army Leadership and Decision Making (4)  
MIS 202: Army Doctrine and Team Development (4)  
MIS 499: Individualized Instruction (3)  
NAV 101: Introduction to Naval Science (3)  
NAV 102: Sea Power and Maritime Affairs (3)  
NAV 202: Navigation (3)  
REL 100: Religions of the World (HU & G) (3)  
REL 366: Islam in the Modern World (HU & G) (3)

Additional electives may be used with the prior approval of the department chair.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### Enrollment Requirements:

GPA Requirement: None

Other Enrollment Requirements: None

Students in the history or religious studies BA programs may not use HST or REL courses to meet the elective requirement for this minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### Career Opportunities:

The minor in military leadership provides students with the knowledge of the military as a profession, its purpose and capabilities in support of national defense. Students who complete the minor improve problem-solving abilities and enhance critical and creative thinking skills, and assists students pursuing careers in support of the Department of Defense.

#### Contact Information:

Liberal Arts and Sciences, The College of  
Department of Military Science  
<https://militaryscience.asu.edu/>  
SS 330  
ArmyROTC@asu.edu  
480-965-3318

## Music Minor (FAMUSMIN)

**Campus:** Tempe, Online

### **Description:**

The music minor is designed for students who are interested in a broad introduction to the study of music. The program allows for a diverse exposure to traditional through contemporary music practices, with numerous course options based on students' interests.

### **Program Requirements:**

The School of Music offers a minor in music consisting of 24 credit hours of coursework, including a minimum of 12 upper-division credit hours. A minimum grade of "C" (2.00) is required in all courses.

Required Courses -- 12 credit hours

MHL 201: Media Literacy for Musicians (CS) (3)

Notes: Only offered as an iCourse.

MUS 100: Fundamentals of Music Notation (3)

Notes: Only offered as an iCourse.

MUS 131: Bach to Bebop (HU) or MUS 355: American Music (HU & C & H) (3)

Notes: Bach to Bebop is only offered in fall semesters.

MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)

Music History -- 6 credit hours

MUS 131: Bach to Bebop (HU) or MUS 355: American Music (HU & C & H) (3)

Notes: Bach to Bebop is only offered in fall semesters.

MUS 347: Jazz in America (HU & C) (3)

MUS 356: Broadway and the American Musical (HU) (3)

MUS 410: History of Women in Music (HU & C & H) (3)

Music Electives -- 6 credit hours

MUS 354: Beatles (HU) (3)

MUS 354: Classic Rock: 1950-1975 (HU) (3)

MUS 354: Country Music (HU) (3)

MUS 354: Elvis (HU) (3)

MUS 354: Jazz Giants (HU) (3)

MUS 354: Rock Since 1975 (HU) (3)

MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)

MUS Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: All music majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in music have additional knowledge that can help them as they pursue careers in arts administration, teaching, fundraising management or marketing.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/minors-certificates>  
MUSIC E167  
herbergeradvising@asu.edu  
480-965-5069

## Music Performance Minor (HIMUSPMIN)

**Campus:** Tempe

**Description:**

The minor program in music performance allows students with a background in playing an instrument or in singing to continue to develop their musicianship while pursuing their major studies.

The coursework includes individualized instruction and ensemble experience to develop the student's performance skills.

**Program Requirements:**

The minor requires 21 credit hours, of which 12 are upper division, in performance, history, theory and electives.

Students may transfer up to nine credit hours toward the minor.

Admission requirement: An audition is required for entrance into the minor and MUP 121 study. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 criteria found in the Audition Requirements section on this webpage (<http://music.asu.edu/admissions/auditions/>).

Required Courses -- 6 credit hours

MUP 121: Studio Instruction (2)

Notes: Two semesters of MUP 121 are required.

MUP 321: Studio Instruction (1)

MUS 131: Bach to Bebop (HU) or MUS 355: American Music (HU & C & H) (3)

Ensembles - Three semesters of ensembles related to the primary instrument studied in the minor -- 3 credit hours

MUP 442: Orchestra Strings (1)

MUP 442: Wind Ensemble (1)

MUP 443: Chamber Singers (1)

MUP 443: Concert Choir (1)

MUP 444: Concert Winds (1)

MUP 450: Choral Union (1)

MUP 455: Arizona Statesmen (1)

MUP 457: Sol Singers (1)

MUP 458: ASU Gospel Choir (1)

MUP 459: Barrett Choir (1)

MUP 486: Concert Jazz Band (1)

MUP 486: Jazz Repertory Band (1)

MUP 486: Latin Jazz Ensemble (1)

Ensemble - Fourth semester of ensemble (may be unrelated to the primary instrument studied in the minor) -- 1 credit hours

MUS 294: Rock Band (1)

MUP 441: Popular Music Ensemble (1)

MUP 485: Contemporary (1)

MUP 485: Jazz (1)

MUP 485: Percussion Ensemble (1)

MUP 485: Steel Band (1)

MUP 489: Ethnomusicology Ensembles (1)

MUP 489: Gamelan (1)

MUP 489: Hip Hop Ensemble (1)

MUP 489: Latin Marimba (1)

MUP 489: Mariachi (1)

MUP 489: World Percussion Ensemble (1)

Music History -- 6 credit hours

MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)

MUS 347: Jazz in America (HU & C) (3)

MUS 354: Classic Rock: 1950-1975 (HU) (3)

MUS 355: American Music (HU & C & H) (3)

MUS 356: Broadway and the American Musical (HU) (3)

MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)

MUS 410: History of Women in Music (HU & C & H) (3)

MHL courses may be accepted if the appropriate prerequisites are met or with instructor approval.

Music Theory -- 3 credit hours

Students will take a theory diagnostic exam to determine placement in either MUS 100 or MTC 125.

MUS 100: Fundamentals of Music Notation or MTC 125: Basic Music Theory (3)

Music Electives -- 2 credit hours

MHL OR MUE OR MUP OR MUS OR MTC OR MSC Upper Division Elective (2)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: All music majors

Other Enrollment Requirements: Students must successfully complete an audition before the faculty in the applicable instrument area for entrance into the program. Audition criteria and specific audition requirements are determined by area faculty and are similar to the MUP 111 and MUP 311 enrollment criteria for each instrument posted at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>). Students interested in pursuing the performance minor should submit an application at <https://musicdancetheatre.asu.edu/degree-programs/music-performance-minor> (<https://musicdancetheatre.asu.edu/degree-programs/music-performance-minor>).

Advisors should not add the minor until the student presents a letter from the School of Music, Dance and Theatre Academic Affairs Office confirming that the student has successfully passed the audition.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most careers do require more training than a minor alone can provide.

Graduates with a minor in music performance have additional experience which can help them as they pursue careers in art administration, teaching and business.

### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/minors-certificates>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## **Music Theatre Minor (HIMUTHRMIN)**

**Campus:** Tempe

**Description:**

The minor program in music theatre allows students with a background, interest or passion in music theatre to continue their studies and further explore the craft.

Students develop skills through performance-based small group classes and private instruction, and coursework also includes the study of theoretical and historical elements of music and theatre.

**Program Requirements:**

The minor requires 24 hours (12 upper division) in performance, history, theory and electives.

Students may transfer up to nine credit hours toward the minor.

Admission requirement: An audition is required for entrance into the minor and MUP 121 study. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 criteria found in the Audition Requirements section on this webpage (<https://music.asu.edu/admissions>).

Required Performance Courses -- 14 credit hours

MUP 121: Voice (2)

Notes: Two semesters of MUP 121 are required

MUP 170: Music Theatre I (2)

MUP 172: Music Theatre II (2)

MUP 321: Voice (1)

MUP 360: Musicianship for Singers (1)

MUP 374: Technical Production I (Foundations) (1)

MUP 374: Technical Production II (Practicum) (1)

MUP 451: Music Theatre Repertoire (2)

MUP 467: Music Theatre Dance Technique (2)

Notes: Two semesters of MUP 467 are required

Music History -- 3 credit hours

MUS 356: Broadway and the American Musical (HU) (3)

Music Theory -- 3 credit hours

MUS 100: Fundamentals of Music Notation or MTC 125: Basic Music Theory (3)

Students will take a theory diagnostic exam to determine placement in either MUS 100 or MTC 125.

Upper Division Music Elective -- 1 credit hours

MUP 321: Studio Instruction (1)

MUP 373: Music Theatre Performance and Production (1)

MUP 471: Audition Training (Musical Theatre) (1)

MUS 355: American Music (HU & C & H) (3)

THE 322: Theatre History and Culture (HU & H) (3)

Music Electives -- 3 credit hours

MUP 270: Music Theatre III (2)

MUP 272: Music Theatre IV (2)

MUP 321: Voice (1)

MUP 373: Music Theatre Performance and Production (1)

MUP 471: Audition Training (Musical Theatre) (1)

MUS 131: Bach to Bebop (HU) (3)

MUS 355: American Music (HU & C & H) (3)

THE 322: Theatre History and Culture (HU & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BMUS in performance (music theatre)

Other Enrollment Requirements: An audition for music theatre is required for entrance into the minor or BIS concentration and MUP 121 and MUP 170 study. Audition criteria are determined by area faculty.

Audition repertoire can be found on this website: <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>). Students interested in pursuing the music theatre minor should submit an application at <https://musicdancetheatre.asu.edu/degree-programs/music-theatre-minor> (<https://musicdancetheatre.asu.edu/degree-programs/music-theatre-minor>).

Advisors should not add the minor until the student presents an acceptance letter from the School of Music, Dance and Theatre Academic Affairs Office confirming that the student has successfully passed the audition.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure they take an appropriate set of courses. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in music theatre have additional expertise which can help them as they pursue careers in arts administration, acting, performance or teaching.

### **Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/minors-certificates>  
MUSIC E167  
mdtadmissions@asu.edu  
480-965-5069

## **Nonprofit Leadership and Management Minor (PPNLMMIN)**

**Campus:** Downtown Phoenix

### **Description:**

The minor in nonprofit leadership and management empowers students to positively impact the community in which they work. The nonprofit sector in the U.S. is unique in form and function, with more than 1.6 million organizations in the U.S.

This program is ideal for ASU students who wish to earn a minor that concentrates on the management of nonprofit organizations. Students from various disciplines such as business, communication, education, global studies, museum studies, nursing, public affairs, religious studies, social work, and sustainability find this program a beneficial supplement to their existing program as many find that their career pathways from their degree occur within nonprofit organization forms. Coursework in the minor introduces students to the knowledge and skills requires for successful professional careers with nonprofit, social sector organizations that exist to improve the quality of life of communities.

This program affords students the opportunity to earn the National Certified Nonprofit Professional credential awarded through the Nonprofit Leadership Alliance: <https://www.nonprofitleadershipalliance.org/credential/> (<https://www.nonprofitleadershipalliance.org/credential/>). Students seeking more information about completing the CNP credential and requirements should refer to the school website.

### **Program Requirements:**

The minor requires 18 credit hours: 12 credit hours of required core courses and six credit hours of elective courses.

Required Core Courses -- 12 credit hours

NLM 220: Introduction to Nonprofit Organizations (3)  
NLM 300: Fund Raising and Resource Development (3)  
NLM 310: Volunteer Management (3)  
NLM 430: Managing Nonprofit Organizations (L) (3)

Elective Courses -- 6 credit hours

Choose six credit hours from either Block A or Block B (6)

Block A - choose this block if interested in the CNP credential

Choosing Block A will help you earn the CNP credential. Please review <https://www.certifiedtochangetheworld.org/> (<https://www.certifiedtochangetheworld.org/>) for more information.

NLM 320: Professional Development Seminar (4)

Notes: This seminar is one credit hour taken for four semesters.

NLM 420: Nonprofit Leadership Alliance Institute (2)

Notes: Offered fall semester only

Block B - choose two courses if interested in minor only, without CNP credential

NLM 160: Voluntary Action and Community Leadership (SB) (3)

NLM 380: Financial Management for Nonprofit Organizations (3)

NLM 435: Service Learning for Community Development (3)

PRM 145: Special Events Management (3)

#### Standards

1. minimum grade of "C" (2.00 on a 4.00 scale) required for all courses in the minor.
2. 15 credit hours of graded classroom coursework (no internship, no independent study).
3. students should be a junior to take 400-level classes.
4. no double counting of courses for both a major and the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### Enrollment Requirements:

GPA Requirement: 2.00

Incompatible Majors: BS in nonprofit leadership and management, including American Indian studies concentration

Students pursuing the nonprofit leadership and management bachelor's degree may earn the certified nonprofit professional credential along with their major upon successfully completing both curricular and cocurricular requirements. (Students should see an advisor for details.)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### Career Opportunities:

Graduates with a nonprofit leadership and management minor find opportunities in diverse settings involving a wide range of missions, including arts and culture, environmental, health, youth development, etc. Some graduates find employment with local, grassroots, direct-service nonprofits while others find work with grant-making foundations.

#### Contact Information:

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Nutrition and Healthy Living Minor (NUNHLMIN)

**Campus:** Downtown Phoenix

#### Description:

The nutrition and healthy living minor program provides students with a greater understanding of how nutrition contributes to healthy lifestyles and disease prevention.

#### Program Requirements:

The minor requires completion of 18 nutrition credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required for each course in the minor.

Many courses in this minor require CHM 101 (or CHM 113) as a prerequisite. Please ensure all prerequisites are met when planning this minor. Not all courses in the minor's electives are available to ASU Online students.

**Required Courses -- 9 credit hours**

NTR 100: Introduction to Nutrition Science or NTR 241: Human Nutrition (3)  
NTR 341: Medical Nutrition Therapy I or NTR 345: Development of Healthy Cuisines (3)  
NTR 450: Nutrition in the Life Cycle (SB) or HSC 355: Eating for Lifelong Health (SB) (3)

**Upper-Division Electives (select three courses) -- 9 credit hours**

NTR 320: History of Human Nutrition (3)  
NTR 348: Cultural Aspects of Food (SB & C & G) (3)  
NTR 350: Nutrition Counseling (3)  
NTR 351: Nutrition Communication (L) (3)  
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)  
NTR 444: Medical Nutrition Therapy II (3)  
NTR 448: Community Nutrition (L) (3)  
NTR 453: Nutrition and the Media (3)  
NTR 457: Sports Nutrition (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in Dietetics, BS in Food and Nutrition Entrepreneurship; BS in Health Sciences (Healthy Lifestyles Coaching); BAS in Food and Nutrition Management

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in nutrition and healthy living have a basic understanding of nutrition needs through the lifecycle and how to put that knowledge to use in the community, which is of benefit to a career in public health, the medical field or in workplace wellness.

After leaving ASU, many graduates participate in activities like these:

- conducting academic research
- coaching people of all ages with health and nutrition concerns
- developing and preparing recipes that meet nutritional guidelines
- informing the community about food through various platforms including social media and written word

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/home>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

**Organizational Leadership Minor (LSORGLMIN)**

**Campus:** Polytechnic, Online



**Description:**

The minor program in organizational leadership uses interdisciplinary methods that prepare students to become leaders in organizations. Students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, assess programs, manage resources and use emerging technologies within organizations.

**Program Requirements:**

The minor in organizational leadership requires 18 credit hours, including a minimum of 12 upper-division credit hours.

Required Courses -- 9 credit hours

OGL 200: Introduction to Organizational Leadership (SB) (3)

OGL 340: Organizational Skills (6)

Notes: This course is taken two times with two separate topics.

Electives (choose three courses, including a minimum of six credit hours of upper-division) -- 9 credit hours

OGL 220: Behavioral Dynamics in Organizations (SB) (3)

OGL 260: Resource Allocation in Organizations (3)

OGL 300: Theory and Practice of Leadership (3)

OGL 320: Foundations of Project Management (3)

OGL 321: Project Leadership, Strategy and Scope (3)

OGL 340: Organizational Skills (3)

OGL 343: Social Processes in Organizations (SB) (3)

OGL 345: Organizational Ethics (HU) (3)

OGL 350: Diversity and Organizations (L & C) (3)

OGL 355: Leading Organizational Innovation and Change (3)

OGL 357: Assessment in Organizations (3)

OGL 360: Assessment of Leadership Effectiveness (3)

OGL 365: Organizational Contexts (SB) (3)

Any topics can be utilized for OGL 340 and OGL 365 courses. Students may enroll in up to 15 credit hours of OGL 340: Organizational Skills topics courses or OGL 365: Organizational Contexts topics courses to meet the requirements of the minor. Topics cannot be repeated.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BAS in applied science (applied leadership); BA in organizational leadership; BA in organizational leadership (project management); BAS in project management.

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in organizational leadership can help students with communication and cultural competency skills as they pursue careers in organizational behavior, organizational leadership, management and others.

Graduates of the program are prepared for a range of positions in government, health care administration, nonprofit agencies and the service

industry.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
USE 138  
CISA@asu.edu  
480-965-4464

## Parks and Protected Area Management Minor (PPPRMMINT)

**Campus:** Downtown Phoenix

**Description:**

As the Southwest continues to develop and urbanize, the demands and pressures on public lands and natural resources continue to grow, and the interplay between society and natural resources is key to understanding modernity and continues to be at the center of policy issues and quality of life debates in the West.

The minor program in parks and protected area management introduces students to the role of parks and protected areas, with a focus on the unique issues faced by managers of urban-proximate natural areas.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences; students from such various disciplines as business, education, nursing, public affairs, social work and many others might find this program a beneficial supplement to their existing program.

**Program Requirements:**

Completion of a parks and protected area management minor in the School of Community Resources and Development requires the following:

Required Core Courses -- 12 credit hours

PRM 120: Leisure and the Quality of Life (SB) (3)

PRM 370: Public Lands Management (3)

Notes: Offered fall semester only

PRM 380: Wilderness and Parks in America (SB & H) (3)

TDM 480: Sustainable Tourism (3)

Elective Course (choose one) -- 3 credit hours

CRD 301: Sustainable Communities (3)

PRM 340: Outdoor Survival (3)

Notes: Offered fall semester only

PRM 470: Environmental Communication (3)

Notes: Offered spring semester only

TDM 448: Heritage and Cultural Tourism (3)

TDM 494: Special Topics (3)

**Standards**

1. 15 hours of graded classroom coursework (no internship, no independent study)
2. 12 hours of coursework at the upper-division level, from the approved list
3. minimum grade of "C" (2.00 on a 4.00 scale) required for all courses in the minor
4. no double counting of courses for a major and the minor
5. should be a junior to take 400-level courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management (all concentrations); BS in recreation therapy

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Graduates with a minor in parks and protected area management can find opportunities in diverse settings involving a wide range of organizations, including recreation, environmental and youth development.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/degree-programs>  
UCENT 550  
scrdadvising@asu.edu  
602-496-0550

## Personal Health Minor (NPHLMIN)

**Campus:** Downtown Phoenix, Online

**Description:**

The personal health minor allows students with academic interests that lie outside the realm of medical and health sciences to explore and learn the latest information related to healthy lifestyles, including the attainment and retention of high quality personal health.

The program reflects the transdisciplinary nature of personal health by including courses from the nutrition, exercise and wellness and health sciences and health promotion areas. Students gain the knowledge and skills necessary to optimize their personal health and assume increased responsibility to move toward improved overall wellness.

**Program Requirements:**

A minimum grade of "C" (2.00 on a 4.00 scale) is required for all courses.

Required Courses -- 12 credit hours

EXW 325: Fitness for Life (3)

HEP 380: Body Image and Wellness (3)

HSC 355: Eating for Lifelong Health (SB) or NTR 450: Nutrition in the Life Cycle (SB) (3)

NTR 100: Introduction to Nutrition Science or NTR 241: Human Nutrition (3)

Elective Courses -- 6 credit hours

EXW 302: Fundamentals of Wellness (L) (3)

EXW 335: Physical Activity and Physiological Concepts (3)

EXW 400: Stress Management for Wellness (3)

HEP 350: Substance Abuse and Addictive Behavior (3)

HEP 443: Emotional Health and Interpersonal Relationships (3)

NTR 345: Development of Healthy Cuisines (3)

NTR 348: Cultural Aspects of Food (SB & C & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in dietetics; BS in food and nutrition entrepreneurship; BS in nutritional sciences; BS in exercise and wellness; BS in health education and health promotion; BS in health sciences (healthy lifestyles coaching)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in

pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor in personal health provides students with skills in many areas of exercise, nutrition and emotional health which can enhance the marketable skills they acquire in their major program. Graduates can pursue careers in workplace wellness, the medical field or public health, among many other career options, though most career areas do require more training than a minor alone can provide.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/personal-health>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Pharmacology and Toxicology Minor (ASPTXMIN)

**Campus:** West

**Description:**

A minor in pharmacology and toxicology provides students with biology and chemistry courses to help prepare them to explore how chemicals (drugs and environmental toxicants) affect living organisms.

Students learn to identify chemical characteristics leading to beneficial and adverse effects, describe how chemicals are evaluated for regulatory purposes, and summarize holistically how drugs and toxicants elicit their effects.

**Program Requirements:**

The minor in pharmacology and toxicology consists of 20 credit hours. A minimum of 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required -- 14 credit hours

BCH 371: Modern Concepts in Biochemistry (3)  
BIO 182: General Biology II (SG) (4)  
CHM 116: General Chemistry II (SQ) (4)  
PTX 301: Basics of Pharmacology and Toxicology (3)

Upper-Division Electives (choose two courses) -- 6 credit hours

PTX 401 / FOR 401: Forensic Toxicology (3)  
PTX 432 / LSC 432: Fundamentals of Pharmacology (3)  
PTX 475 / FOR 475 / LSC 475: Principles of Toxicology (3)  
PTX 499: Individualized Instruction (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in pharmacology and toxicology, BS in biology (pharmacology/toxicology)

Other Enrollment Requirements: The following prerequisite courses do not count toward the minor, but may be needed in order to complete the requirements of the minor:

BIO 181 General Biology I  
BIO 353 Cell Biology  
CHM 113 General Chemistry I  
CHM 233 General Organic Chemistry I AND CHM 237 General Organic Chemistry Laboratory I  
CHM 234 General Organic Chemistry II AND CHM 238 General Organic Chemistry Laboratory II  
LSC 347 Fundamentals of Genetics

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

Relevant career paths include the pharmaceutical industry, regulatory fields such as environmental risk assessment, and graduate programs in public health, pharmacology, toxicology or environmental health sciences.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/programs/minor/pharmacology-and-toxicology>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## **Philosophy Minor (ASPHIMIN)**

**Campus:** West

#### **Description:**

The minor program in philosophy provides students with an understanding of central philosophical issues, problems and ideas; a capacity for critical thinking and analytic reasoning; and the ability to present one's positions effectively through oral and written communication.

The program is offered by the School of Humanities, Arts and Cultural Studies.

#### **Program Requirements:**

The minor in philosophy consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students pursuing this minor will work with an academic advisor to choose and complete six courses from the list below or from the PHI subject. Credit hours may not be shared between major and minor requirements. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Course List (minimum 12 upper-division credit hours) -- 18 credit hours

ENG 401: Topics in Critical Theory (3)  
IAS 340 / PHI 320: Bioethics (HU) (3)  
IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)  
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)  
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)  
IAS 410: Evolution of Ideas (L or HU) (3)  
IAS 430: Science and Religion (L or HU) (3)  
PHI 101: Introduction to Philosophy (HU) (3)  
PHI 103: Principles of Sound Reasoning (L or HU) (3)  
PHI 303 / REL 300: The Future of Religions (L or HU) (3)  
PHI 304: Existentialism (HU) (3)  
PHI 306: Applied Ethics (HU) (3)  
PHI 311: Philosophy and Literature (HU) (3)  
PHI 318: Philosophy of Religion (HU) (3)  
PHI 339: Philosophy of Art (HU) (3)  
PHI 360: Business and Professional Ethics (HU) (3)  
PHI 408: Feminist Ethics (HU) (3)  
PHI 411: Continental Philosophy (HU) (3)  
PHI 412: Philosophy and Literary Criticism (HU) (3)  
PHI 415: Philosophy and Film (HU) (3)

PHI 439: Philosophy of Love and Sex (3)  
PHI 494 / REL 494: Issues in Death & Dying (3)  
PHI 494 / REL 494: Special Topics (3)  
PHI 499: Individualized Instruction or REL 499: Individualized Instruction (3)  
REL 391: Historical Perspectives on Philosophy and Religion (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in philosophy is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Graduates who have completed the minor in philosophy have critical thinking and strong communication skills essential to success in health care, law, public service, journalism, business and education. The minor program provides ideal preparation for careers in a wide range of careers, including:

- entrepreneur
- intelligence analyst
- lawyer
- medicine
- minister
- paralegal
- politician
- real estate agent
- teacher or professor
- writer

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/philosophy-minor>  
FAB N100  
harcsadvising@asu.edu  
602-543-3000

## Philosophy Minor (LAPHIMIN)

**Campus:** Tempe, Online

**Description:**

The minor in philosophy provides students with an understanding of philosophical inquiry and method. The program offers an introduction to central themes both in the history of philosophy and in the current literature. Students in this minor have the opportunity to sharpen their critical-reasoning skills while addressing profound questions regarding the nature of:

- existence
- knowledge
- law
- morality

- politics
- science

### Program Requirements:

The minor in philosophy consists of 18 credit hours, of which at least 12 must be upper-division. At least six upper-division credit hours must be in courses offered by The College of Liberal Arts and Sciences. Each course must be completed with a minimum grade of "C" (2.00 on a 4.00 scale) or higher.

The minor in philosophy is also available to complement the studies of ASU Online students. Certain course selections below are offered as oCourses to accommodate ASU Online students.

Subdisciplinary Electives -- 18 credit hours

Subdisciplinary Elective (6)

Upper Division Subdisciplinary Elective (12)

Available subdisciplines are epistemology, ethics and political philosophy, history of philosophy, logic, and metaphysics. Students choose courses from the philosophical subdiscipline lists, with no more than two courses from any single track. Courses in the "other" list cover multiple subdisciplines and students may apply these courses within the minor without limit. Students should consult with an academic advisor in the School of Historical, Philosophical and Religious Studies about a proposed selection of courses before enrolling.

#### Epistemology

PHI 313: Probability, Evidence, and Decision (3)

PHI 314: Philosophy of Science (HU) (3)

PHI 325: Philosophy of Social Science (HU or SB) (3)

PHI 330: Theory of Knowledge (HU) (3)

#### Ethics and Political Philosophy

PHI 105: Intro to Ethics (HU) (3)

PHI 107: Introduction to Philosophy of Sex and Love (HU) (3)

PHI 120: Introduction to Medical and Bioethics (HU) (3)

PHI 306: Applied Ethics (HU) (3)

PHI 307: Philosophy of Law (HU) (3)

PHI 310: Environmental Ethics (HU) (3)

PHI 320: Bioethics (HU) (3)

PHI 324: Existential Ethics (HU) (3)

PHI 326: Philosophy of Happiness (HU) (3)

PHI 335: History of Ethics (HU) (3)

PHI 336: Social and Political Philosophy (HU) (3)

PHI 337: Ethical Theory (HU) (3)

PHI 338: Metaethics (3)

PHI 347: Philosophical Theories of Constitutional Law (3)

PHI 360: Business and Professional Ethics (HU) (3)

PHI 370: Sports Ethics (HU) (3)

PHI 405: Moral Psychology (3)

PHI 406: Moral Dilemmas (L or HU) (3)

PHI 408: Feminist Ethics (HU) (3)

PHI 409: Eco-Community Ethics (HU) (3)

#### History of Philosophy

PHI 304: Existentialism (HU) (3)

PHI 328: History of Ancient Philosophy (HU & H) (3)

PHI 329: History of Modern Philosophy (HU & H) (3)

PHI 401: Rationalism (3)

PHI 402: Empiricism (HU) (3)

PHI 403: Contemporary Analytic Philosophy (HU) (3)

#### Logic

PHI 103: Principles of Sound Reasoning (L or HU) (3)

PHI 333: Symbolic Logic (3)

PHI 413: Advanced Symbolic Logic (3)

#### Metaphysics

PHI 318: Philosophy of Religion (HU) (3)

PHI 331: Philosophy of Language (HU) (3)

PHI 332: Metaphysics (HU) (3)  
PHI 334: Philosophy of Mind (HU) (3)

#### Other

PHI 101: Introduction to Philosophy (HU) (3)  
PHI 311: Philosophy and Literature (HU) (3)  
PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)  
PHI 322: History and Philosophy of Sustainability (3)  
PHI 339: Philosophy of Art (HU) (3)  
PHI 390: Jewish Philosophy (3)  
PHI 391: Historical Perspectives on Philosophy and Religion (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in philosophy; BA in philosophy (morality, politics and law); BA in philosophy (science, nature and mind)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

#### **Career Opportunities:**

A minor can help students demonstrate marketable skills that complement their major program. A minor in philosophy is of benefit in a wide range of careers in fields such as business law, politics, medicine and education that value analytical and reasoning skills and, in particular, strong communication and writing skills.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/minor-philosophy--tempe-minor>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## **Physics Minor (LAPHYMIN)**

**Campus:** Tempe, Online

#### **Description:**

The physics minor provides students with the fundamental concepts of physics beyond the introductory level. Through rigorous hands-on experience, students deepen their understanding of foundational concepts and develop their quantitative skills.

Students can tailor the minor through upper-division electives to enhance their career outlook.

#### **Program Requirements:**

The minor in physics requires a minimum of 24 credit hours, at least 12 of which must be completed at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 12 credit hours

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) or PHY 150: Physics I (SQ) (4)



PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) or PHY 151: Physics II (SQ) (4)

PHY 252: Physics III (SQ) or PHY 241: University Physics III AND PHY 202: Programming for Physicists (4)

Electives -- 12 credit hours

Choose one of the following options for the remaining required coursework. (12-15)

Option 1

PHY 361: Introductory Modern Physics (3)

PHY 333: Electronic Circuits and Measurements or PHY 334: Advanced Laboratory I (L) (3)

PHY 201: Mathematical Methods in Physics I (CS) (<https://webapp4.asu.edu/catalog/courselist?s=PHY&l=upperdivision&t=2217&hon=F>) > PHY Upper Division Elective (6)

Option 2

PHY 201 and PHY 302 are required.

(3)

PHY 302: Mathematical Methods in Physics II (3)

Select 9 additional credit hours (3 courses) from the below list.

PHY 310: Classical Particles, Fields, and Matter I (3)

PHY 311: Classical Particles, Fields, and Matter II (3)

PHY 314: Quantum Physics I (3)

PHY 315: Quantum Physics II (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in applied physics; BS in biophysics; BA and BS in physics; BS in physics (secondary education)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

#### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in physics have additional analytical and problem-solving skills which are of benefit as they pursue careers in technical fields.

#### **Contact Information:**

Liberal Arts and Sciences, The College of

Department of Physics

<https://physics.asu.edu/content/physics-1>

PSF 470

[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)

480-965-3561

## **Physics Minor (LSPHYMIN)**

**Campus:** Polytechnic

**Description:**

The physics minor program provides a rigorous foundation in physics with an emphasis on fundamental concepts and applied hands-on experience. The program broadens and deepens a student's understanding of the field and increases options for employment and graduate study.

The primary emphasis of the physics minor is to give students experience through applied and computational physics projects. The projects are guided by faculty with expertise in the physics of semiconductors and graphene, quantum nano-optics, laser physics and materials science.

The program is offered by the College of Integrative Sciences and Arts at the Polytechnic campus.

**Program Requirements:**

The minor in physics requires 23 credit hours, including a minimum of 12 credit hours of upper-division. A minimum of six upper-division credit hours must be taken in courses offered by the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

**Required Courses -- 17 credit hours**

PHY 121: University Physics I: Mechanics (SQ) (3)  
PHY 122: University Physics Laboratory I (SQ) (1)  
PHY 131: University Physics II: Electricity and Magnetism (SQ) (3)  
PHY 132: University Physics Laboratory II (SQ) (1)  
PHY 314: Quantum Physics I (3)  
PHY 361: Introductory Modern Physics (3)  
PHY 499: Individualized Instruction (3)

**Elective Courses (choose two) -- 6 credit hours**

PHY 201: Mathematical Methods in Physics I (CS) (3)  
PHY 302: Mathematical Methods in Physics II (3)  
PHY 321: Vector Mechanics and Vibration (3)  
PHY 331: Principles of Modern Electromagnetism (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00 or higher

Incompatible Majors: BA or BS in physics

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in physics can help students expand analytical skills as they pursue careers in engineering, postsecondary education or mechanical design.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Political Science Minor (ASPOLMIN)

**Campus:** West

### **Description:**

The minor program in political science helps students gain an understanding of theory, practice and policy underlying local, national and international political processes and trains students in the research skills necessary for the analysis of complex local and global sociopolitical issues.

Students engage in a flexible program of learner-centered coursework in political theory, American political institutions, and international relations and world affairs. The curriculum focuses on international urban, race or ethnic sociopolitical areas and internships and service-learning or action research opportunities. Under the direction of faculty, students focus on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas, and the world.

The degree is offered by the School of Social and Behavioral Sciences.

### **Program Requirements:**

The minor in political science consists of 18 credit hours, requiring a minimum of 12 upper-division credit hours. A minimum of six upper-division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses (choose two courses) -- 6 credit hours

POS 110: American Government and Politics (SB) (3)

POS 150: Comparative Government (SB & G) (3)

POS 160: Global Politics (SB & G) (3)

POS 210: Political Ideologies (SB) (3)

Research Methods (choose one course) -- 3 credit hours

SBS 302: Qualitative Methods (3)

SBS 303: Quantitative Methods (3)

SBS 304: Social Statistics I (CS) (3)

Upper-Division Interdisciplinary Track -- 9 credit hours

Choose one course from each of three upper-division Interdisciplinary Tracks.

Upper-Division Social Justice and Inequality Interdisciplinary Track -- 3 credit hours

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)

ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)

HST 441 / LAS 441: Latin America and the World Economy (L & G & H) (3)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)

POS 342: Political Theory (HU or SB) (3)

POS 446: Democracy (HU) (3)

POS 480 / SBS 480: Global Justice (G) (3)

POS 494: Everyday Forms of Political Resistance (3)

SBS 301: Cultural Diversity ((L or SB) & C) (3)

SOC 331: Environmental Sociology (SB & G) (3)

SOC 352: Social Change (SB & G & H) (3)

SOC 426: Social Inequality (SB) (3)

Upper-Division Law, Citizenship, Borders Interdisciplinary Track -- 3 credit hours

ASB 340 / SOC 328: Migration and Culture (SB & G) (3)

ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)

POS 310: American National Government (SB) (3)

POS 360: World Politics (SB & G) (3)

POS 361: American Foreign Policy (SB & G) (3)

POS 446: Democracy (HU) (3)

POS 465: International Organization and Law (SB & G) (3)

POS 480 / SBS 480: Global Justice (G) (3)

Upper-Division Identity and Place Interdisciplinary Track -- 3 credit hours

ETH 430 / LAS 430 / WST 430: Gender on the Borderlands (SB & G) (3)

ETH 433 / WST 433: Race and Sexualities in Social Justice Movements (3)

ETH 473 / LAS 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

HST 376 / LAS 376: Modern Latin America (SB & G & H) (3)

POS 350: Comparative Politics (SB & G) (3)  
POS 357: South Asia Politics (SB & G) (3)  
POS 361: American Foreign Policy (SB & G) (3)  
POS 437 / SOC 437: Women, Power, and Politics (G) (3)  
WST 428: Gender, Madness and Justice (SB) (3)

Credit is only granted for POS 110 or POS 310.

Credit is only granted for POS 160 or POS 360.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA or BS in political science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border.

Many use the degree as a gateway to law school or as basis for graduate work in professional schools or in applied fields such as:

- community development
- political science
- public administration
- public policy
- social science disciplines
- urban affairs and urban and regional planning

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/political-science-minor>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Political Science Minor (LAPOSMIN)

**Campus:** Tempe, Online

**Description:**

The minor program in political science offers students exposure to the skills and knowledge that help them participate effectively as citizens in a democratic political system and flourish in the rapidly developing globalization of the world's political institutions, cultures and economies.

The program provides students with an introduction to the tools and skills necessary to link theory with real-world problems and issues.

Courses in constitutional law or covering the U.S. Supreme Court as part of the minor can benefit those interested in law school.

**Program Requirements:**

The minor in political science consists of 18 credit hours, of which 12 credit hours must be upper-division. A minimum of six upper-division credit

hours must be taken in courses offered by The College of Liberal Arts and Sciences. Only courses completed with a grade of "C" (2.00 on a scale of 4.00) or better can be used to satisfy minor requirements.

Required Courses (choose two courses) -- 6 credit hours

POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) (3)

POS 150: Comparative Government (SB & G) (3)

POS 160: Global Politics (SB & G) (3)

POS 210: Political Ideologies (SB) (3)

Electives -- 12 credit hours

POS Upper Division Elective (12)

No more than three credit hours of POS 484 Internship and three credit hours of POS 499 Individualized Instruction may be applied to the minor. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in political science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in political science can benefit graduates as they pursue careers in government, public policy, advocacy or international relations.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Politics and Global Studies

<https://spgs.asu.edu/>

COOR 6797

[spgs-ugadvising@asu.edu](mailto:spgs-ugadvising@asu.edu)

480-965-8563

## Project Management Minor (LSPROMAMIN)

**Campus:** Polytechnic, Tempe, Online

**Description:**

The minor in project management prepares students to manage complex projects and lead project management teams in a variety of professional settings. The project management minor complements many majors at ASU because project management skills enhance and enrich the skills students acquire from a variety of majors.

Students learn the skills needed to manage complex projects in fields like engineering, business, health care, information technology, sustainability, computing, public and nonprofit sectors and many more. Students learn skills in project leadership, project quality management, project risk management, project schedule management, project cost management and project resource management.

**Program Requirements:**

The minor in project management requires 18 credit hours, including a minimum of 12 upper-division credit hours.

Required Core Courses -- 6 credit hours

OGL 320: Foundations of Project Management (3)

OGL 321: Project Leadership, Strategy and Scope (3)

Elective Courses (choose four) -- 12 credit hours

OGL 322: Project Time Management (3)

OGL 323: Project Cost Management (3)

OGL 324: Resources in Project Management (3)

OGL 326: Project Procurement Management (3)

OGL 421: Project Risk Management (3)

OGL 422: Project Quality Management (3)

Please note: OGL 320 is needed as a prerequisite for all 300 level minor courses and OGL 321 is required for all 400 level minor courses.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.00 (university minimum)

Incompatible Majors: BA in organizational leadership (project management)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

#### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in project management can help students with leadership skills communication, problem-solving, assessment, effectiveness and cultural competency skills as they pursue careers in account management, facilities management, project management and senior leadership roles. Employers in many fields seek to hire and promote those who can skillfully manage complex projects and lead project management teams.

#### **Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu/>

USE 138

CISA@asu.edu

480-965-4464

## **Psychology Minor (ASPGSMIN)**

**Campus:** West, Online

#### **Description:**

The minor program in psychology provides students with the opportunity to study the scientific nature of the behavior and mental processes of individuals and groups.

The study of psychology includes basic and applied courses in the subfields of clinical, developmental, organizational, cross-cultural and social psychology, cognitive systems and behavioral neuroscience, and this program emphasizes the development of wide-ranging skills in critical thinking and reasoning, quantitative and qualitative research methods, working collaboratively on teams and presentation of information in oral and written

form.

The psychology minor prepares students for more advanced study in psychology at the graduate level, in either graduate or professional schools.

**Program Requirements:**

The minor in psychology consists of 22 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six credit hours must be taken from the School of Social and Behavioral Sciences. A maximum of three credit hours of research (PSY 399 Supervised Research and PSY 499 Individualized Instruction) may be used to fulfill minor requirements. PSY 484 Internship may be taken for elective credit only. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Foundations of Psychological Science -- 10 credit hours

PSY 101: Introduction to Psychology (SB) (3)

PSY 230: Introduction to Statistics (CS) (3)

PSY 290: Research Methods (L or SG) (4)

Upper-Division Social/Developmental Focus Area -- 3 credit hours

PSY 315: Personality Theory and Research (SB) (3)

PSY 341: Developmental Psychology (SB) (3)

PSY 350: Social Psychology (SB) (3)

Upper-Division Cognitive Science Focus Area -- 6 credit hours

PSY 320: Learning and Motivation (3)

PSY 323: Sensation and Perception (3)

PSY 324: Memory and Cognition (3)

PSY 325: Physiological Psychology (3)

PSY 330: Statistical Methods (CS) (3)

PSY 360: Cognitive Science (3)

PSY 369: Biology of Human Sexuality (3)

PSY 470: Psychopharmacology (3)

Upper-Division Psychology Elective Course -- 3 credit hours

PSY Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in psychology (including all concentrations)

Other Enrollment Requirements: None

The minor in psychology is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor in psychology is a strong addition to any major and prepares students for careers in diverse areas such as education, government, business and industry, healthcare and social services.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/psychology-minor>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Psychology Minor (LAPGSMIN)

**Campus:** Tempe

### **Description:**

The minor program in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view.

Students who complete the minor in psychology possess a breadth of knowledge across many areas of psychology. They are able to use basic research and quantitative methods to gather and synthesize psychological findings. Ultimately, they come to understand the relevance and applicability of psychological principles, approaches and findings to individual, group and social issues. In doing so, they are prepared to pursue productive careers and engage on a daily basis with the increasingly complex, information-rich world.

### **Program Requirements:**

The minor in psychology consists of completing 22 credit hours of coursework in the foundations of psychology and the breadth within psychology categories described below. Twelve credit hours must be completed at the upper-division level, of which at least six credit hours must be completed in courses offered by The College of Liberal Arts and Sciences Department of Psychology. All courses for the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 10 credit hours

PSY 101: Introduction to Psychology (SB) (3)

PSY 230: Introduction to Statistics (CS) (3)

PSY 290: Research Methods (L or SG) (4)

Minor Electives -- 12 credit hours

Take one course from four of the following five breadth areas: Biological, Cognitive/Learning, Developmental, Personality/Mental Health, and Social.  
Breadth Area Elective (12)

Biological Breadth

PSY 325: Physiological Psychology (3)

Cognitive/Learning Breadth

PSY 320: Learning and Motivation (3)

PSY 323: Sensation and Perception (3)

PSY 324: Memory and Cognition (3)

Developmental Breadth

PSY 341: Developmental Psychology (SB) (3)

Personality/Mental Health Breadth

PSY 315: Personality Theory and Research (SB) (3)

PSY 366: Abnormal Psychology (SB) (3)

Social Breadth

PSY 350: Social Psychology (SB) (3)

PSY 351: Honors Social Psychology (L or SB) (3)

If a non-psychology statistics course is approved by the psychology department to substitute for PSY 230 Introduction to Statistics, an additional psychology course must be taken to complete the 22 credit hours of required psychology coursework. Internship credit, research credit, and teaching assistant credit may not be used to satisfy this requirement. For more information please contact a psychology advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None



Incompatible Majors: BA and BS in psychology (including all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in psychology are knowledgeable in the complexities of human behavior and interpersonal skills, of benefit as they pursue careers in human resources, management or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/content/psychology-1>  
PSY 202  
psych.advisor@asu.edu  
480-965-7258

## Psychology Minor (LSPGSMIN)

**Campus:** Polytechnic

**Description:**

Psychology is the scientific study of mind and behavior. The psychology minor emphasizes the development of wide-ranging skills in critical thinking and reasoning, research methods, working collaboratively on teams and presenting information in oral and written form. The psychology minor adds value to students' major degrees through knowledge of concepts, theories and empirical research in mental processes and behavior.

**Program Requirements:**

This minor requires 22 credit hours. At least six credit hours must be taken from courses offered by the College of Integrative Sciences and Arts.

Required Courses -- 10 credit hours

- PSY 101: Introduction to Psychology (SB) (3)
- PSY 230: Introduction to Statistics (CS) (3)
- PSY 290: Research Methods (L or SG) (4)

Elective Courses (choose four) -- 12 credit hours

- PSY 304: Effective Thinking (L) (3)
- PSY 306: Environmental Psychology (SB) (3)
- PSY 315: Personality Theory and Research (SB) (3)
- PSY 320: Learning and Motivation (3)
- PSY 323: Sensation and Perception (3)
- PSY 324: Memory and Cognition (3)
- PSY 341: Developmental Psychology (SB) (3)
- PSY 350: Social Psychology (SB) (3)
- PSY 366: Abnormal Psychology (SB) (3)
- PSY 369: Biology of Human Sexuality (3)
- PSY 385: Psychology of Gender (SB) (3)
- PSY 425: Biological Bases of Behavior (L) (3)
- PSY 430: Industrial Psychology (3)
- PSY 444: Adolescent Psychology and Psychopathology (3)
- PSY 447: Psychology of Aging (SB) (3)
- PSY 453: Organizational Behavior (SB) (3)
- PSY 470: Psychopharmacology (3)
- PSY 472: Clinical Psychology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA or BS in psychology

Other Enrollment Requirements: None

Please note that the department does not offer any iCourse or oCourse sections for this minor.

The minor in psychology is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to determine if the minor is consistent with their educational goals, to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major, diversify their skills with training in another discipline, and improve their future job outlook. Although most careers require more training than a minor alone can provide, a minor in psychology can add value for students who pursue careers in business, education, or healthcare.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Public Relations and Strategic Communications Minor (HSPRSMIN)

**Campus:** West

**Description:**

The minor program in public relations and strategic communications provides students with professional and academic expertise in areas as diverse as persuasion and campaign communications, public relations, crisis communications, special-events planning, marketing, and professional writing and editing. Additionally, students refine the presentation skills needed for public and community relations.

**Program Requirements:**

The minor in public relations and strategic communications consists of 18 credit hours (a minimum of 12 must be upper division). A minimum of six upper-division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. Credit hours may not be shared between a student's major and minor requirements. Electives not on course list must be approved by an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Core Courses (choose three) -- 9 credit hours

- COM 319: Persuasion and Social Influence (SB) (3)
- COM 320: Communication and Consumerism (SB) (3)
- COM 353: Professional Communication (3)
- COM 454: Rhetorical and Critical Approaches to Public Relations (3)

Electives (choose three) -- 9 credit hours

- ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)
- COM 259: Communication in Business and the Professions (3)
- COM 319: Persuasion and Social Influence (SB) (3)
- COM 320: Communication and Consumerism (SB) (3)
- COM 353: Professional Communication (3)

COM 414: Crisis Communication (3)  
COM 429: Semiotics and Visual Communication (3)  
COM 450: Organizational Communication (SB) (3)  
COM 454: Rhetorical and Critical Approaches to Public Relations (3)  
COM 457: New Media (3)  
COM 459: Theory and Methods of Social Media Networks (3)  
COM 484: Internship (3)  
ENG 301: Writing for the Professions (L) (3)  
ENG 311: Persuasive Writing (L) (3)  
ENG 410: Writing for Publication (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in public relations and strategic communications is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

The minor program in public relations and strategic communication helps prepare students for diverse opportunities in business, government, industry, professional sports, politics, writing and editing, and public relations.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/public-relations-and-strategic-communications-minor>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Public Service and Public Policy Minor (PPPAFMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in public service and public policy prepares students for work in government at all levels and in nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Students discover the challenges of management, learn how to lead a public organization, and understand the process of policy development.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. The program has an applied and professional focus which can enhance many other majors, enabling students to be more competitive when seeking a public sector job.

**Program Requirements:**

The minor in public service and public policy requires 18 credit hours.

A minimum of 12 credit hours must be taken in the School of Public Affairs at ASU.

Required Courses -- 9 credit hours

PAF 200: Public Service and Policy in the 21st Century (3)

PAF 300: Public Management and Administration (3)  
PAF 340: Contemporary Policy Challenges (3)

Electives (select three courses) -- 9 credit hours

PAF 201: Economics and Public Policy (SB) (3)  
PAF 305: Urban Governance (3)  
PAF 351: Urban and Metropolitan Studies (3)  
PAF 410: Building Leadership Skills (SB) (3)  
PAF 420: Managing Across Boundaries (3)  
PAF 470: Topics in Public Economics and Financial Management (3)  
PAF 471: Public Policy Analysis (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in public service and public policy (all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students completing this minor are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a policy analyst, entry-level manager or program coordinator in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/undergradminors>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Real Estate Minor (BAREAMIN)

**Campus:** Tempe

**Description:**

The real estate minor program is designed to provide an understanding of the real estate industry and to complement the major area of study.

It consists of a strong foundation that includes real estate fundamentals, law, appraisal and land development. To complement the foundation, students may choose from a variety of courses such as investing, economics and urban issues.

**Program Requirements:**

Students must complete a minimum of 18 credit hours, including 12 hours of required courses and six hours of electives.  
Students must complete a minimum of 12 credit hours of resident credit for the minor. All courses must be completed with a grade of "C" (2.00) or better.  
The upper-division courses for this minor are restricted to students with at least 56 earned credit hours, a minimum 2.50 ASU GPA and completed course prerequisites.

Required Courses -- 12 credit hours  
REA 380: Real Estate Fundamentals (3)

REA 401: Real Estate Appraisal (3)  
REA 411: Real Estate Law (3)  
REA 456: Real Estate Investments (3)

Elective Courses (choose two) -- 6 credit hours

ACC 340: External Reporting I (3)  
ACC 350: Internal Reporting (3)  
ACC 444: Enterprise Process Analysis and Design (3)  
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)  
AGB 333: Agribusiness Finance (3)  
AGB 452: Global Food and Agricultural Trade (3)  
BUS 434: Business Risk Management (3)  
CEE 300: Engineering Business Practice (L) (3)  
CIS 308: Advanced Excel in Business (3)  
CIS 309: Business Process Management (3)  
CIS 311: Business Agile Project Management (3)  
CIS 405: Business Intelligence (3)  
CON 457: Principles of Leadership for Project Managers (3)  
DSC 394: Design Entrepreneurship & Society (3)  
DSC 494: Economics of Building Design (3)  
ECN 315: Money & Banking (3)  
EDS 301: Sustainable Community Design and Practices (3)  
ENT 360: Entrepreneurship and Value Creation (3)  
ENT 440: Entrepreneurship (3)  
FIN 331: Financial Markets and Institutions (3)  
GCU 357: Social Geography (SB) (3)  
GCU 361: Urban Geography (SB) (3)  
GPH 381: Geography of Natural Resources (G) (3)  
LAP 353: Planting Design for Sustainable Landscapes (3)  
MGT 400: Cross-Cultural Management (C & G) (3)  
MGT 411: Leading Organizations (3)  
MGT 430: Negotiations (3)  
MKT 370: Professional Sales and Relationship Management (3)  
MKT 390: Essentials of Marketing (3)  
MKT 391: Essentials of Selling (3)  
MKT 396: Essentials of Services Marketing (3)  
MKT 410: Sales Management (3)  
MKT 452: Business-to-Business Marketing Strategy (3)  
PUP 301: Introduction to Urban Planning (L) (3)  
PUP 410: Public Participation in Planning (3)  
PUP 432: Planning and Development Control Law (3)  
PUP 452: Ethics and Theory in Planning (L) (3)  
PUP 465: Sustainable Urbanism (3)  
PUP 494: Environment, Justice & Cities (3)  
REA 441: Real Estate Land Development (3)  
SCM 314: Analytics for Logistics (3)  
SCM 315: Business Decision Models (3)  
SCM 344: Applied Logistics Management (3)  
SCM 354: Procurement of Services (3)  
SCM 385: Business and Sustainability I (3)  
SCM 455: Research and Negotiation (3)  
SCM 463: Global Supply Chain Management (G) (3)  
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability (3)  
SOS 310: Equity, Justice and Sustainability (3)  
SOS 311: Future Thinking and Strategies (3)  
SOS 320: Society and Sustainability (L or SB) (3)  
SOS 321: Policy and Governance in Sustainable Systems (3)  
SOS 323: Sustainable Urban Dynamics (3)  
SOS 325: The Economics of Sustainability (3)  
SOS 328: Sustainability and Enterprise (3)  
SOS 385: Business and Sustainability I (3)  
SOS 465: Sustainable Urbanism (3)

minor.

**Enrollment Requirements:**

GPA Requirement: 2.00 minimum

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in real estate understand the complexity of real estate, and this competitive knowledge base is a benefit as they pursue careers in the real estate industry.

**Contact Information:**

Business, W. P. Carey School of

Department of Finance

<https://wpcarey.asu.edu/undergraduate-degrees/real-estate-minor>

BA 160

wpcareyug@asu.edu

480-965-4227

## Recreation Management Minor (PPRECMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in recreation management introduces students to community recreation programming and planning for a variety of populations.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as social work, criminology and criminal justice, public affairs, kinesiology, psychology, sociology, education, nursing, and many others might find this program a beneficial supplement to their existing program.

**Program Requirements:**

The recreation management minor requires completion of 15 credit hours: six credit hours of required courses and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours

PRM 120: Leisure and the Quality of Life (SB) (3)

PRM 203: Program Planning (3)

Electives (select three courses) -- 9 credit hours

CRD 302: Inclusive Community Development (SB & C) (3)

PRM 304: Recreation Planning and Facility Development (L) (3)

Notes: Offered fall semester only

PRM 315: Community Recreation Systems (3)

Notes: Offered fall semester only

PRM 335: Sports and Recreation for Youth Development (3)

Notes: Offered spring semester only

PRM 364: Foundations of Recreation Therapy (SB) (3)

PRM 453: Inclusive and Adaptive Sports and Recreation (3)

PRM 475: Entrepreneurial Recreation and Tourism (3)

Standards

1. 15 hours of graded classroom coursework
2. minimum "C" (2.00 on a 4.00 scale) grade required for all courses in the minor
3. should be a junior to take 400-level courses
4. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management; BS in recreation therapy; BS in parks and recreation management (therapeutic recreation)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:**

Graduates with a minor in recreation management can find opportunities in diverse settings involving a wide range of organizations, including recreation, sports and youth development.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu/content/degree-programs>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Recreation Therapy Minor (PPRECTMIN)

**Campus:** Downtown Phoenix

**Description:**

A minor in recreational therapy exposes students to the field of therapeutic recreation. They develop the knowledge to assess individuals, develop service plans, implement therapeutic interventions, and evaluate and document outcomes of care, supporting the wellness of their communities through therapeutic recreation.

Completion of the minor provides students with a portion of the requirements needed for eligibility to take the national certification exam through the National Council for Therapeutic Recreation Certification: <https://nctrc.org/about-certification/ctrs-the-qualified-provider/> (<https://nctrc.org/about-certification/ctrs-the-qualified-provider/>).

**Program Requirements:**

The recreational therapy minor requires completion of 18 credit hours: 9 credit hours of required courses and 9 credit hours of elective courses.

PRM 400, PRM 406, and PRM 450 are offered in spring semester only.

PRM 453 and PRM 460 are offered in fall semester only.

Core Courses -- 9 credit hours

PRM 364: Foundations of Recreation Therapy (SB) (3)

PRM 400: Intervention Techniques in Recreational Therapy (3)

PRM 460: Assessment and Documentation in Recreational Therapy (3)

Therapeutic Recreation Electives (choose three courses) -- 9 credit hours

For students seeking the national credential in therapeutic recreation, select two courses from PRM 406, 413, 440, 450 or 455.

PRM 384: Recreational Therapy Practicum (3)

PRM 406: Program Design and Administration in Recreational Therapy (3)

PRM 413: Leadership and Professional Development in Recreation Therapy (3)

PRM 440: Advocacy in Therapeutic Recreation (3)

PRM 450: Therapeutic Recreation and Community Health (3)

PRM 453: Inclusive and Adaptive Sports and Recreation (3)

PRM 455: Recreational Therapy with Children, Youth and Families (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.50

Incompatible Majors: BS in recreation therapy; BS in parks and recreation management (therapeutic recreation)

Other Enrollment Requirements: none

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Graduates with a minor in recreational therapy can find opportunities in diverse settings involving a wide range of areas, including recreation, therapy and hospital settings.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu/content/therapeutic-recreation>

UCENT 550

scrdadvising@asu.edu

602-496-0550

## Religious Studies Minor (ASRELMIN)

**Campus:** West

**Description:**

The minor program in religious studies introduces students to the world's religious traditions and how these are used by humans to interpret experiences and find meaning. Students learn to think critically about religious worldviews and presuppositions and to explore the relation to contemporary challenges in the world.

**Program Requirements:**

The minor in religious studies consists of 18 credit hours, including a minimum of 12 upper-division credit hours. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Coursework taken to fulfill the requirements of the minor may not be used to fulfill requirements for your major. Consult with an academic advisor prior to enrollment.

Select six courses (minimum 12 upper-division credit hours) -- 18 credit hours

IAS 430: Science and Religion (L or HU) (3)

PHI 303 / REL 300: The Future of Religions (L or HU) (3)

PHI 318: Philosophy of Religion (HU) (3)

PHI 494 / REL 494: Issues in Death & Dying (3)

PHI 494: Special Topics (3)

REL 100: Religions of the World (HU & G) (3)

REL 200: Exploring the World's Religions ((L or HU) & G) (3)



REL 201: Religion and the Modern World (L or HU) (3)  
REL 202: Religion and Popular Culture (HU & C) (3)  
REL 203: Saints and Sinners: Explorations in Sacred Biography (HU & H) (3)  
REL 205: Life, Sex and Death (HU) (3)  
REL 207: Ritual, Symbol, and Myth (L or HU) (3)  
REL 310: Western Religious Traditions (HU & H) (3)  
REL 320: American Religious Traditions (HU & C & H) (3)  
REL 321: Religion in America ((L or HU) & C & H) (3)  
REL 345: Asian Religious Traditions (HU & G) (3)  
REL 381: Religion and Moral Issues (L or HU) (3)  
REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)  
REL 391: Historical Perspectives on Philosophy and Religion (3)  
REL 401: Sacred Scriptures and Social Choices (HU & G) (3)  
REL 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in religious studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students with a minor in religious studies seek employment in a variety of professional areas, including:

- chaplaincy
- diversity management
- education
- foreign service
- health care
- journalism
- mental health and counseling
- nonprofit organizations
- nongovernmental organizations
- public service

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/religious-studies-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

**Religious Studies Minor (LARELMIN)**

**Campus:** Tempe, Online

**Description:**

The minor in religious studies engages students in a comparative exploration of religions and cultures. This exploration leads to a deeper

understanding of human nature, religious traditions, and the roles religion plays in a pluralistic and globalizing world.

Students may pursue the minor in religious studies with regional, national, hemispheric, global and a variety of thematic emphases.

**Program Requirements:**

The minor in religious studies consists of 18 credit hours, at least 12 of which must be completed at the upper-division level. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences. All courses must be passed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours

REL 101: Religion, Culture and Public Life ((L or HU) & G) (3)

Electives -- 15 credit hours

REL Elective (3)

REL Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in religious studies; BA in religious studies (religion, culture and public life); BA in religious studies (religion, politics and global affairs)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in religious studies is of benefit to those who intend to pursue careers in education, law, or journalism.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/graduate/minor-religious-stds--tempe-minor>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Romanian Minor (LAROMMIN)

**Campus:** Tempe

**Description:**

The Romanian minor program provides students with the means to develop their interests in social, cultural and political matters while advancing their Romanian language skills.

**Program Requirements:**

The Romanian minor consists of a minimum of 18 credit hours, including nine credit hours of required core language courses and nine credit hours

of upper-division electives. At least 12 credit hours must be upper division. Students choose from either the Romanian Advanced Language track or the Romanian Culture track for the upper-division electives. A minimum of six credit hours must be completed in residence at ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Core Language Courses -- 9 credit hours

ROM 202: Intermediate Romanian Language and Culture II (4)

Notes: Only three credit hours of ROM 202 apply to the minor. The extra credit hour will be applied to university electives.

ROM 313: Romanian Composition and Conversation (3)

ROM 314: Romanian Composition and Conversation (3)

Upper-division Electives (choose one track) -- 9 credit hours

Upper Division Advanced Language or Culture Track (9)

Romanian Advanced Language Track

ROM 411: Advanced Spoken and Written Romanian I (3)

ROM 412: Advanced Spoken and Written Romanian II (3)

Choose one course from Romanian Culture track (3)

Romanian Culture Track

ROM 310 / SLC 310: Migration and Identity: Digital Storytelling (HU & G) (3)

ROM 442 / SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) (3)

ROM 494: Special Topics (3)

ROM 499: Individualized Instruction (3)

Notes: Maximum of 3 credit hours may be applied to the minor.

SLC 343: Culture and Society Transformation (3)

SLC 429: Studies in European Literature and Culture ((L or HU) & G & H) (3)

Course substitutions are permitted for heritage speakers and other advanced speakers of Romanian.

ROM 101 through 201 are not applicable to the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Students who wish to add a minor in Romanian to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

#### **Career Opportunities:**

A minor enables students to enhance the marketable skills and knowledge they acquire in their major program and to also develop additional competencies. A minor in Romanian studies equips students with communication and cultural competency skills, a valuable benefit when they will pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

#### **Contact Information:**

Liberal Arts and Sciences, The College of

School of International Letters and Cultures

<https://silc.asu.edu/degrees/undergrad/minor-certs>

LL 440

[silcadvising@asu.edu](mailto:silcadvising@asu.edu)

480-965-6281

## Russian Minor (LARUSMIN)

**Campus:** Tempe

### **Description:**

Students pursuing a minor in Russian gain novice to intermediate language skills and an understanding of the literature and cultures of Russian-speaking peoples and regions. With Russia as an active player in world affairs on the international stage, knowledge of Russian language and culture is a valuable asset for students interested in government, diplomacy and international affairs and commerce.

The Russian language program cooperates with the Melikian Center to offer a transdisciplinary baccalaureate certificate in Russian, Eurasian and East European studies for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Students are encouraged to study abroad. The ASU exchange program in Russian language and translation offers students the opportunity to study in Moscow, St. Petersburg or Kazan.

### **Program Requirements:**

The Russian minor consists of 18 credit hours, of which at least 12 credit hours must be upper-division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Core Requirements -- 6 credit hours

RUS 311: Russian Composition and Conversation I (G) (3)

RUS 312: Russian Composition and Conversation II (G) (3)

Literature Course (choose one) -- 3 credit hours

RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)

RUS 421: Pushkin (L or HU) (3)

RUS 425 / THE 425: Chekhov and Russian Drama (L or HU) (3)

RUS 430: Russian Short Story (L or HU) (3)

RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (L or HU) (3)

Electives (choose three) -- 9 credit hours

At least one course must be completed at the upper-division level.

RUS 141: Russian Civilization: From Tsars to Putin ((L or HU) & G & H) (3)

RUS 211: Basic Russian Conversation I (G) (3)

RUS 212: Basic Russian Conversation II (G) (3)

RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)

RUS 411: Advanced Composition and Conversation I (G) (3)

RUS 412: Advanced Composition and Conversation II (G) (3)

RUS 421: Pushkin (L or HU) (3)

RUS 430: Russian Short Story (L or HU) (3)

RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (L or HU) (3)

RUS 440: Russian Mass Media (G) (3)

RUS 484: Internship (3)

RUS 493: Honors Thesis (L) (3)

SLV 304: Digital Humanities for Language Majors (CS) (3)

SLV 440: History of Slavic Languages (SB) (3)

SLV 484: Internship (3)

SLV 493: Honors Thesis (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Russian

Other Enrollment Requirements: None

Students who wish to add a minor in Russian may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor enables students to enhance the marketable skills and knowledge they acquire in their major program and to also develop additional competencies.

A minor in Russian studies equips students with communication and cultural competency skills, a valuable benefit when they will pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Science, Technology and Society Minor (ECSTSMIN)

**Campus:** Polytechnic

**Description:**

The science, technology and society minor is offered to students outside the science, technology and society major, regardless of a student's major field of specialization.

Living in a 21st century world is characterized by rapid technological change and uncertainty. Mastering the intricacies of the interrelationships between technology and human systems enhances a degree in any area and provides graduates with the insights and skills required for success in any endeavor.

**Program Requirements:**

The minor in science, technology and society requires 18 credit hours, including a minimum of 12 credit hours of upper-division. A minimum of six upper-division credit hours must be taken in courses offered by the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

General Course -- 3 credit hours

STS 101: Introduction to Science, Technology and Society (SB) or STS 304: Science, Technology and Society (SB) (3)

Internationalization Course -- 3 credit hours

STS 110: Global Technology and Development (SB & G) or STS 317: Science, Technology, and Global Engagement (SB & G) (3)

Elective Courses (choose four) -- 12 credit hours

ISS 302: Scope of Social Science (SB) (3)

ISS 304: Integrated Theories of Social Science (SB) (3)

ISS 441: Conflict and Conflict Resolution (SB & G) (3)

ISS 450: Consumerism and Sustainable Development (SB) (3)

ISS 456: Culture, Conflict and War ((L or SB) & G) (3)

POS 301: Empirical Political Inquiry (SB) or ISS 301: Integrated Social Science Research Methods (SB) or STS 301: Research in Science and Technology Studies (SB) (3)

POS 316: American Political Institutions (3)

POS 325: Public Policy Development (SB) (3)

POS 364: National Security, Intelligence, and Terrorism (SB) (3)

POS 485: Political Economy (SB) (3)

STS 302: Philosophy of Science and Technology (SB) (3)

STS 303: History of Science and Technology (H) (3)

STS 305: Science and Social Theory (SB) (3)  
STS 306: Social Effects of Science and Technology (SB) (3)  
STS 318: Science, Technology, and Government (SB) (3)  
STS 325: Science, Technology, and Public Policy (SB) (3)  
STS 328: Science, Technology, and Culture (SB) (3)  
STS 329: Technology in Developing Countries (SB & G) (3)  
STS 330: Information Technology and Globalization (SB & G) (3)  
STS 331: Ethical Issues in Science and Technology (SB) (3)  
STS 332: Global Issues in Science and Technology (SB) (3)  
STS 364: Science, Technology, and National Security (SB) (3)  
STS 425: Law, Values, Science, and Technology (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in science, technology and society

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in science, technology and society can help students understand the interrelationships between technology and human systems as they pursue careers in industrial design, urban planning or public relations.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Slavic Studies Minor (LASLVMIN)

**Campus:** Tempe

**Description:**

The Slavic studies minor program focuses on Slavic languages and cultures with a concentration in either Bosnian/Croatian/Serbian or Polish.

It is designed to complement the studies of students from a wide range of disciplines (e.g., history, cultural anthropology, music, political science, economics) whose professional interests lie in Poland or the countries of southeastern Europe. The program places equal emphases on language, culture and regional studies. The minor develops limited professional linguistic proficiency in either BCS or Polish along with adequate cultural sensitivity.

**Program Requirements:**

The minor in Slavic studies requires 18 upper-division credit hours. A minimum of six upper-division credit hours must be taken in residence at ASU. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Slavic Language Courses -- 6 credit hours

Language sequence options for earning the required six credit hours are: complete BCS 311 and BCS 312, or BCS 495 taken twice; OR PLC 311 and PLC 312, or PLC 494 Polish for the Heritage Speaker taken twice.

Course substitutions are permitted for heritage speakers and other advanced speakers of Slavic languages. Please contact the School of International Letters and Cultures for more information.

BCS 311: Bosnian/Croatian/Serbian Composition and Conversation I (3)

BCS 312: Bosnian/Croatian/Serbian Composition and Conversation II (3)

BCS 495: Serbo-Croatian for Heritage Speakers (3-6)

Notes: This course may be repeated for credit.

PLC 311: Advanced Polish I (3)

PLC 312: Advanced Polish II (3)

PLC 494: Polish for the Heritage Speaker (3-6)

Notes: This course may be repeated for credit.

Required Courses -- 9 credit hours

SLV 304: Digital Humanities for Language Majors (CS) (3)

SLV 440: History of Slavic Languages (SB) (3)

SLV 498: Pro-Seminar or SLV 498: Senior Capstone (3)

BCS OR PLC OR RUS OR SLV Upper-Division Elective (choose one course) -- 3 credit hours

BCS 394: Special Topics (3)

RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)

RUS 394: Special Topics (3)

RUS 421: Pushkin (L or HU) (3)

RUS 425: Chekhov and Russian Drama (L or HU) (3)

RUS 439: Art in Exile: Vladímir Vladímirovich Nabokov (L or HU) (3)

RUS 484: Internship (3)

RUS 493: Honors Thesis (L) (3)

RUS 499: Individualized Instruction (3)

SLV 484: Internship (3)

SLV 492: Honors Directed Study (3)

SLV 493: Honors Thesis (L) (3)

SLV 499: Individualized Instruction (3)

No lower-division language courses are applicable to the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

Students who wish to add the minor in Slavic studies to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it. A Slavic studies minor equips students with communication and cultural competency skills, a valuable benefit when they pursue careers in political analysis, sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Social Justice and Human Rights Minor (ASJHRMIN)

**Campus:** West

**Description:**

The minor in social justice and human rights spans the social sciences and humanities to help prepare students to meet the challenges of 21st century issues of social justice and protection of human rights in local, national, international and global contexts.

**Program Requirements:**

The minor in social justice and human rights consists of 18 credit hours; nine credit hours of core requirements and nine credit hours of interdisciplinary track coursework. Twelve credit hours must be upper division and twelve credit hours must be taken through courses offered by the New College of Interdisciplinary Arts and Sciences. All courses used to meet requirements must be completed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)

Research Methods -- 3 credit hours

SBS 302: Qualitative Methods or SBS 303: Quantitative Methods or SBS 304: Social Statistics I (CS) (3)

Interdisciplinary Tracks -- 9 credit hours

Social Justice and Inequality (Select one course) -- 3 credit hours

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)

ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)

HST 441 / LAS 441: Latin America and the World Economy (L & G & H) (3)

JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

POS 342: Political Theory (HU or SB) (3)

POS 446: Democracy (HU) (3)

POS 494: Everyday Forms of Political Resistance (3)

SBS 301: Cultural Diversity ((L or SB) & C) (3)

SOC 270: Racial and Ethnic Relations (SB & C) (3)

SOC 331: Environmental Sociology (SB & G) (3)

SOC 352: Social Change (SB & G & H) (3)

SOC 426: Social Inequality (SB) (3)

Law, Citizenship, Borders (Select one course) -- 3 credit hours

ASB 340 / SOC 328: Migration and Culture (SB & G) (3)

ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)

POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) (3)

POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) (3)

POS 210: Political Ideologies (SB) (3)

POS 465: International Organization and Law (SB & G) (3)

POS 480 / SBS 480: Global Justice (G) (3)

Identity and Place (Select one course) -- 3 credit hours

ASB 211: Women in Other Cultures ((HU or SB) & G) (3)

ETH 430 / LAS 430 / WST 430: Gender on the Borderlands (SB & G) (3)

ETH 433 / WST 433: Race and Sexualities in Social Justice Movements (3)

ETH 473 / LAS 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

HST 376 / LAS 376: Modern Latin America (SB & G & H) (3)

POS 150: Comparative Government (SB & G) (3)

POS 247: Introduction to Latin American Politics (SB & G) (3)

POS 350: Comparative Politics (SB & G) (3)

POS 357: South Asia Politics (SB & G) (3)

POS 361: American Foreign Policy (SB & G) (3)



POS 437: Women, Power, and Politics (G) (3)  
SOC 264: Gender and Society (SB & C) (3)  
WST 428: Gender, Madness and Justice (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in social justice and human rights; BA and BS in justice studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students with this minor are employable in a variety of settings, including refugee resettlement agencies; agencies and shelters supporting survivors of domestic abuse; shelters for migrants, especially for unaccompanied minors; disaster relief agencies; organizations assisting survivors of sex trafficking and human labor trafficking; and agencies assisting veterans and others suffering from post-traumatic stress.

Possible career opportunities include: fundraising, grant writing, humanitarian aid worker, international governmental organization professional, nongovernmental organization professional or nonprofit agency manager.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-justice-human-rights-minor>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Social Welfare Minor (LASSWMIN)

**Campus:** Downtown Phoenix, West, Online

**Description:**

The social welfare minor program prepares students for work in human service settings where a fundamental knowledge of human relations is required. It complements careers in journalism, communications, public administration, nursing and related fields, and provides a foundation for students who seek to pursue an MSW.

The minor enhances and broadens students' abilities to analyze complex family, individual and societal problems in the context of societal values, cultural diversity and other social and economic variables. The program contributes to students' understanding of society and social behavior, encourages critical thinking and helps develop communication skills.

**Program Requirements:**

Students should:

1. be at sophomore standing to take 300- or 400-level courses
2. complete 18 credit hours of graded coursework (internship or independent study not applicable)
3. complete a minimum of 12 credit hours of resident credit at ASU
4. complete SWU 171 as the prerequisite for all upper-division SWU courses
5. earn a grade of "C" (2.00 on a 4.00 scale) or better for all courses in the minor
6. maintain a cumulative GPA of 2.00 (4.00 scale) or higher
7. consider meeting with a social welfare advisor prior to registration
8. take a minimum of 12 credit hours of upper-division coursework from the approved list

**Required Courses -- 9 credit hours**

SWU 171: Introduction to Social Work (SB & H) (3)

SWU 291: Social Service Delivery Systems (3)

SWU 332: Social Policy and Advocacy or SWU 432: Social Policy and Services (3)

**Cultural Diversity in the United States Course (select one) -- 3 credit hours**

SWU 374: Diversity and Oppression in a Social Work Context (C) (3)

SWU 456: Immigrants and Refugees (C) (3)

SWU 457: Southwest Borderland Immigration Issues (C) (3)

SWU 459: Spirituality and the Helping Professions (3)

SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)

**Elective Courses\* -- 6 credit hours**

SWU 303: Micro Human Behavior and the Social Environment (L or SB) (3)

SWU 340: Macro Human Behavior and the Social Environment (SB) (3)

SWU 454: Overview of Addictions (3)

SWU 456: Immigrants and Refugees (C) (3)

SWU 457: Southwest Borderland Immigration Issues (C) (3)

SWU 458: Behavioral Health Services (3)

SWU 459: Spirituality and the Helping Professions (3)

SWU 460: Legal Issues in Social Work (3)

SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)

SWU 462: Global Social Welfare (G) (3)

SWU 498: Pro-Seminar (L) (1-7)

\*Note: Student may select one additional course from the cultural diversity in the U.S. options above.

\*Note: SWU 456, SWU 457, SWU 459 and SWU 461 cannot be used to meet both the Cultural Diversity in the United States course requirement and as an elective course.

Lower-division credit hours required: 6

Upper-division credit hours required: 12

Total credit hours required: 18

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BSW in social work; BA in public service and public policy (social services delivery); BA in community advocacy and social policy

Other Enrollment Requirements: None

Students should meet with a social welfare advisor prior to registration.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Social Work

<https://socialwork.asu.edu>

UCENT 800

[social.work@asu.edu](mailto:social.work@asu.edu)

602-496-0800

## Social and Behavioral Sciences Minor (ASSBSMIN)

**Campus:** West

### **Description:**

The minor program in social and behavioral sciences provides students an interdisciplinary perspective across several fields of the social and behavioral sciences, including communication, sociocultural anthropology, geography, political science, psychology and sociology in order to understand and interact with people and society.

### **Program Requirements:**

The minor in social and behavioral sciences consists of 18 credit hours, of which a minimum of 12 credit hours must be upper division. A minimum of six credit hours must be completed through courses offered by the New College of Interdisciplinary Arts and Sciences. A maximum of three credit hours of internship and three credit hours of individualized instruction may be used to fulfill requirements. Students wishing to pursue the minor must meet with an academic advisor in the School of Social and Behavioral Sciences to construct a minor that reflects a particular area of specialty and interest. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses -- 6 credit hours

SBS 200: Introduction to Social and Behavioral Sciences (SB) (3)

SBS 302: Qualitative Methods or SBS 303: Quantitative Methods (3)

Electives (9 upper-division credit hours required) -- 12 credit hours

Choose electives from at least three of the following prefixes: ASB, COM, FAS, JHR, POS, PSY, or SOC.

Social and Behavioral Sciences Elective (3)

Upper Division Social and Behavioral Sciences Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in social and behavioral sciences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

A minor in social and behavioral sciences is appropriate for any discipline that requires a solid background in social sciences. Students with this minor are prepared to work in community development, counseling, criminal justice, professional schools (e.g., law, public administration, social work), public policy, social science disciplines, and urban studies or planning.

### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences

<https://newcollege.asu.edu/social-and-behavioral-sciences-minor>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## Sociocultural Anthropology Minor (ASASBMIN)

**Campus:** West

### **Description:**

The minor in sociocultural anthropology, offered by the School of Social and Behavioral Sciences, is designed to provide students with a substantive understanding of the theoretical assumptions and methodological techniques underlying the field of sociocultural anthropology.

Courses provide students with knowledge about and theoretical approaches to cross-cultural studies and transnational research, emphasizing culture and political economy in historical context.

**Program Requirements:**

The minor in sociocultural anthropology requires 18 credit hours, at least six hours of which must be in upper-division coursework taken in the School of Social and Behavioral Sciences. Up to nine hours of ASB courses offered by other ASU campuses may be applied toward electives in the minor. Up to six hours of lower-division ASB credit, three hours of ASB 499 Individualized Instruction and three hours of ASB 484 Internship may be applied toward the minor. Up to three credit hours of any study abroad course, in any subject, may apply to this minor. All coursework within the minor must be passed with a minimum grade of "C" (2.00) or better.

Required Courses -- 6 credit hours

ASB 102: Introduction to Cultural Anthropology (SB & G) or ASB 311: Principles of Social Anthropology (SB & G & H) (3)

SBS 302: Qualitative Methods (3)

Electives (minimum 6 upper-division credit hours) -- 12 credit hours

ASB 211: Women in Other Cultures ((HU or SB) & G) (3)

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)

ASB 340 / SOC 328: Migration and Culture (SB & G) (3)

ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)

ASB 346: Marriage and Family Diversity (SB & C) (3)

ASB 350: Anthropology and Art (HU) (3)

ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)

ASB 356 / GCU 356 / POS 354 / SBS 356 / SOC 356: Central American Studies (SB & G) (3)

ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)

ASB 389 / SBS 389 / SOC 389: Ethnographic Field Lab (3)

ASB 394: Special Topics (3)

ASB 442 / SBS 460: Global Cities (SB & G) (3)

ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)

ASB 484: Internship (3)

ASB 494: Special Topics (3)

ASB 499: Individualized Instruction (3)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)

SBS 301: Cultural Diversity ((L or SB) & C) (3)

SBS 450: Topics in Local/Global (SB & G) (3)

SBS 480 / POS 480: Global Justice (G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in sociocultural anthropology is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Career opportunities for graduates with a minor in sociocultural anthropology include grant writer, researcher or consultant, cultural resource manager, refugee or immigration officer/counselor, nongovernmental or United Nations staff member.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/sociocultural-anthropology-minor>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Sociology Minor (ASSOCMIN)

**Campus:** West

**Description:**

The minor program in sociology, offered by the School of Social and Behavioral Sciences, provides students with an understanding of the theory, practice and policy underlying issues of social change, inequality and diversity. These issues are approached from multiple perspectives, including race or ethnicity, gender, economic position, age, geographic location and position in the global political economy.

The student minoring in sociology learns how sociology enhances one's understanding of social realities and institutions at local, national and international levels and how it contributes to the other social sciences and to the humanities.

Students gain a basic understanding of the assumptions underlying the discipline of sociology and develop the research skills necessary for analysis of complex social issues. These objectives are met by offering a flexible program and by providing the student with individual and group experiences in working with faculty members on concrete intellectual and policy issues.

**Program Requirements:**

The minor in sociology consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper-division credit hours must be completed through the School of Social and Behavioral Sciences. Students wishing to pursue this minor must meet with an academic advisor in the School of Social and Behavioral Sciences to construct a minor that reflects a particular area of specialty and interest. A maximum of three credit hours of SOC 484 or SOC 499 may be used to fulfill the requirements of this minor. All courses used to satisfy requirements for the minor must be passed with a "C" or better.

Foundation Requirement -- 3 credit hours

SOC 101: Introductory Sociology (SB) (3)

Select one course -- 3 credit hours

SBS 303: Quantitative Methods (3)

SBS 304: Social Statistics I (CS) (3)

SOC 426: Social Inequality (SB) (3)

SOC 486: Contemporary Theory (SB) (3)

Electives (minimum 9 upper-division credit hours) -- 12 credit hours

SOC Elective (3)

SOC Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS or BA in sociology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Graduates are prepared for employment in corporate or governmental organizations or to continue their studies in graduate programs in sociology, social science or professional schools.

The sociological perspective is applicable to a wide variety of jobs in business and management; government, social services, the criminal justice system and the health professions. Coursework in sociology provides a valuable preparation for careers in journalism, law, the nonprofit sector, public administration and public relations. These are all fields that involve investigative skills and an ability to work with diverse groups.

Graduates with an advanced degree in sociology may become community activists, community developers, criminologists, demographers, gerontologists, organizational advocate, research analysts, statisticians, survey researchers or urban planners.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/sociology-minor>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Sociology Minor (LASOCMIN)

**Campus:** Tempe, Online

**Description:**

The minor program in sociology provides an exceptional balance to studies in psychology, communication, education, business and nursing, through basic coursework and issues within the discipline.

The program is offered by the Sanford School of Social and Family Dynamics.

**Program Requirements:**

The minor in sociology requires 18 credit hours, of which 12 credit hours must be upper-division. A minimum of six upper-division credit hours must be taken in courses offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

SOC 101: Introductory Sociology (SB) (3)

SOC 391: Research Methods (L or SB) or SOC 483: History of Social Thought (SB) or SOC 486: Contemporary Theory (SB) (3)

Electives -- 12 credit hours

SOC Elective (3)

SOC Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA and BS in sociology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the Academic Catalog Archive 2021-2022

program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

### **Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in sociology can benefit students as they pursue careers in counseling or social work, business, law and health care.

### **Contact Information:**

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu/>  
SS 144  
advisor@asu.edu  
480-965-6978

## **Spanish Minor (ASSPAMIN)**

**Campus:** West

### **Description:**

The minor program in Spanish adds to students' language fluency and also offers deep insight into the cultures of Spanish-speaking communities.

### **Program Requirements:**

The minor in Spanish consists of 18 credit hours, of which 15 credit hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Courses for the minor must be chosen in consultation with an academic advisor in the School of Humanities, Arts, and Cultural Studies. Preparatory coursework may not be used to satisfy requirements for the minor. Preparatory coursework includes Spanish lower-division language courses. All courses used to satisfy the requirements for the minor must be passed with a "C" or better.

Core Requirements -- 12 credit hours

SPA 202: Intermediate Spanish (G) (4)

Three of the four credit hours from SPA 202 are counted toward the minor. The additional credit hour is applied toward university elective credit hours.

SPA 313 AND SPA 314: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C) AND SPA 316: Advanced Spanish II for Bilinguals (L & C) (3)

LAS 330: From the Inside: The Latin American Journey (HU) or SPA 325: Introduction to Hispanic Literature (HU) (3)

Upper-Division Electives -- 6 credit hours

Students should consult with an academic advisor to select six credit hours from the Spanish elective list or other appropriate courses from the LAS or SPA subjects, with the understanding that their coursework will be carried out in Spanish.

LAS 330: From the Inside: The Latin American Journey (HU) (3)

LAS 340: Latin American Women Writers (3)

LAS 350: The Construction of a Nation: Chile in the 20th/21st Century (3)

LAS 351: Cityscapes: Urban Mexican Literature and Culture (3)

LAS 355: Contemporary Mexican Cinema: Changing Cartographies (3)

LAS 394 / SPA 394: Special Topics (3)

LAS 430: Gender on the Borderlands (SB & G) (3)

LAS 450: Latina/os, Schooling and Social Inequality (C) (3)

LAS 471: Treaties and Cultural Production in Spain and the Americas (3)

LAS 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) (3)

LAS 481 / SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) (3)

LAS 494 / SPA 494: Special Topics (3)

SPA 412: Advanced Conversation and Composition (G) (3)

SPA 413: Spanish Grammar in Context (G) (3)

SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) (3)

SPA 456: 20th-Century Spanish American Fiction (3)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)

SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in Spanish

Other Enrollment Requirements: None

The minor in Spanish is open to all ASU undergraduate students.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

The Spanish program offers excellent preparation for graduate school or for employment as a teacher in the elementary or secondary school system, especially in those districts where bilingual programs are integral to the curricula.

Outside the education system, graduates with a minor in Spanish find employment as translators and interpreters in:

- diplomatic corps
- federal and state courts
- law enforcement agencies
- law firms
- social agencies

The business world also provides employment for those fluent in Spanish. This is especially true in the American Southwest, with its proximity to Mexico and through outlets opened by multinational trade agreements.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/spanish-minor>

FAB N100

harcadvising@asu.edu

602-543-3000

## Spanish Minor (LASPAMIN)

**Campus:** Tempe, Online

**Description:**

Students pursuing a minor in Spanish gain an understanding of the language, literature and cultures of Spanish-speaking peoples and regions.

**Program Requirements:**

The minor in Spanish requires a total of 21 credit hours, of which 18 credit hours must be upper-division. A minimum of six upper-division credit hours must be taken from courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

Required Courses -- 12 credit hours

Of the 12 credit hours of required courses for the Spanish minor, students select the appropriate language track: Spanish Second Language or Spanish Heritage/Bilingual Language track.

SPA 202: Intermediate Spanish (G) or SPA 204: Intermediate Spanish II for Bilinguals (G) or SPA 210: Intensive Spanish II (G) (4-6)

Notes: Three credit hours from SPA 202, SPA 204, or SPA 210 are counted toward the minor. Additional credit hours earned are applied to the 120 hours minimum for graduation.

SPA 313: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C) (3)

SPA 314: Spanish Conversation and Composition (G) or SPA 316: Advanced Spanish II for Bilinguals (L & C) (3)

SPA 412: Advanced Conversation and Composition (G) (3)



Course substitutions are allowed for heritage and advanced speakers of the language.

#### Minor Tracks -- 9 credit hours

Students complete nine credit hours from one option track below that is beneficial to their personal or academic goals. Option tracks include Spanish Language Studies, Spanish Literary and Cultural Studies, or Spanish Linguistics. (9)

##### Option 1: Spanish Language Studies Track

Required Spanish Civilization and Culture Course (choose one):

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)

SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)

SPA Upper-Division Restricted Elective (choose one):

SPA 325: Introduction to Hispanic Literature (HU) (3)

SPA 400: Fundamentals of Spanish Linguistics (SB & G) (3)

SPA 413: Spanish Grammar in Context (G) (3)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)

SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)

SPA Upper-Division Elective or SPA Upper-Division Study Abroad Course (choose one):

SPA 484: Internship (<https://webapp4.asu.edu/catalog/courselist?s=SPA&l=300-399&t=2217&hon=F>) > SPA 3\*\* Elective (3)

SPA 325: Introduction to Hispanic Literature (HU) (<https://webapp4.asu.edu/catalog/courselist?s=SPA&l=400-499&t=2217&hon=F>) > SPA 4\*\* Elective (3)

Upper Division Spanish Study Abroad Course (3)

##### Option 2: Spanish Literary and Cultural Studies Track

SPA 325 is required for this track.

(3)

Choose one course from the following:

SPA 425: Foundational Texts of Spain (L or HU) (3)

SPA 426: Literature and Society in Modern Spain (HU) (3)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) (3)

SPA 464: Jaitón Works in Chicano/a Literature ((HU or SB) & C) (3)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)

SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

Choose one course from the following:

SPA 319: Business Correspondence and Communication (G) (3)

SPA 400: Fundamentals of Spanish Linguistics (SB & G) (<https://webapp4.asu.edu/catalog/courselist?s=SPA&l=300-399&t=2217&hon=F>) > SPA 3\*\* Elective (3)

SPA 4\*\* Elective (3)

##### Option 3: Spanish Linguistics

SPA 400 is required for this track.

(3)

Choose two courses from the following:

SPA 413: Spanish Grammar in Context (G) (3)

SPA 417: The Sounds of Spanish (CS or SB) (3)

SPA 418: Architecture of Spanish (3)

SPA 419: Spanish Around the World (CS & C) (3)

SPA 420: Applied Spanish Linguistics (L) (3)

SPA 421: Spanish in the Southwest (C) (3)

See information about Language Placement Testing (<https://silc.asu.edu/student-life/academic-advising/placement-testing>) or consult with an academic advisor in the School of International Letters and Cultures regarding placement into Spanish language classes. Students testing into higher Spanish language courses may need overrides to enroll.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Spanish; BAE in secondary education (Spanish)

Other Enrollment Requirements: None

Students who wish to add the minor in Spanish to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it.

Students with a minor in Spanish studies have the communication and cultural competency skills they need as they pursue careers in political analysis, sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Spanish Minor (LSSPAMIN)

**Campus:** Downtown Phoenix

**Description:**

The series of courses in this 18 credit hour minor helps students hone Spanish communication skills and cultural knowledge so they may serve the needs of the U.S. Latino communities in professional settings.

The combination of professionally focused courses and practical experience in this program enhances students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S. Latino and Latin American cultures.

**Program Requirements:**

The Spanish minor requires a total of 18 credit hours.

Prerequisite: SPA 314 or SPA 316 or SPA 317 or permission of instructor.

A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses. Pass/Fail courses cannot be used.

Required Courses -- 12 credit hours

SPA 317: Spanish for the Professions (G) (3)

SPA 404: Spanish in U. S. Professional Communities ((L or HU) & C) (3)

SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G) (3)

SPA 484: Internship (3)

Notes: A minimum of 12 credit hours completed in this minor and permission of the director of the Spanish minor is required to enroll.

Elective Courses -- 6 credit hours

SPA 318: Advanced Spanish for Health Care Professionals (3)

SPA 401: Spanish Oral Communication for the Professions (3)

Notes: Recommended for journalism majors.

SPA 402: Written Communication for the Professions (3)

Notes: Recommended for journalism majors.

SPA 403: Spanish Grammar and Stylistics for the Professions (3)

Notes: Recommended for journalism majors.

SPA 406: Introduction to Spanish/English Medical Interpretation (3)

SPA 494: Introduction to Spanish Translation for the Profes (3)  
Notes: Recommended for journalism majors.  
SPA 494: Latino/Lat. Amer. Film: Ethical Discus. for Profes (3)  
SPA 494: Markets Migrants and Work Case Studies for Profess (3)  
SPA Upper Division Elective (3)

Students should complete a minimum of 12 credit hours in the minor and seek instructor approval before enrolling in SPA 484. Email CISA@asu.edu for instructor approval.

For additional upper division electives consult your academic advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA in Spanish

Other Enrollment Requirements: None

For additional admission and registration requirements, students should visit the school website.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in Spanish can help students as they pursue a variety of careers in business, education, engineering and urban planning, social work, government, tourism, health care services, legal and justice systems, sustainability, and community interpretation. Students can find a comprehensive list of career opportunities at <https://cisa.asu.edu/spanish-and-spanish-professions> (<https://cisa.asu.edu/spanish-and-spanish-professions>).

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
AZCNTR 380  
CISA@asu.edu  
602-496-0271

## Special Events Management Minor (HSEVNMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in special events management is designed to offer students a solid understanding of special events programming and management.

In addition to the two-tiered special events course, which provides basic and advanced instruction as well as experiential learning opportunities through event production, students are able to select electives to meet their interests.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication, journalism, music, fashion and many others find this program a beneficial supplement to their existing program.

**Program Requirements:**

The minor requires 15 credit hours: a three credit hour required course, and 12 credit hours of elective courses.

Required Core Course -- 3 credit hours

PRM 145: Special Events Management (3)

Electives (choose four) -- 12 credit hours

NLM 300: Fund Raising and Resource Development (3)

NLM 310: Volunteer Management (3)

PRM 304: Recreation Planning and Facility Development (L) (3)

Notes: Offered fall semester only

PRM 350: Tourism, Recreation and Sports Marketing (3)

PRM 475: Entrepreneurial Recreation and Tourism (3)

PRM 483: Sports Tourism (3)

PRM 484: Internship (3)

PRM 485: Sports Events (3)

Notes: Offered spring semester only

PRM 487: Advanced Special Events Management (3)

Notes: Offered spring semester only

TDM 345: Meeting and Convention Planning (3)

TDM 458: International Tourism (G) (3)

**Standards**

1. 15 credit hours of graded coursework (no independent study)
2. minimum grade of "C" (2.00 on a 4.00 scale) required for all courses in the minor
3. should be a junior to take 400-level courses
4. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management; BS in tourism development and management (including all concentrations), BS in community sports management (including all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:**

Graduates are prepared for employment in numerous positions, such as a meeting coordinator, sales coordinator, event planner, conference coordinator, and festival coordinator.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 500

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Speech and Hearing Science Minor (LASHSMIN)

**Campus:** Tempe

**Description:**

The undergraduate minor in speech and hearing science is an academic program with emphasis on normal aspects of speech, language and hearing. The focus is on how motor, cognitive and sensory systems interact with and influence hearing, speech and language in children and adults.

A minor in speech and hearing science can provide a broadened background for related careers such as medicine, education and neuroscience.

**Program Requirements:**

The minor in speech and hearing science consists of 24 credit hours, and though the following classes are required, students are strongly encouraged to meet with a Speech and Hearing Science academic advisor.

Required Courses -- 15 credit hours

SHS 205: Exploring Communication Disorders in Children and Adults (3)

SHS 250: Introduction to Phonetics (3)

SHS 310: Anatomical and Physiological Bases of Speech (3)

SHS 311: Hearing Science (3)

SHS 367: Language Science (SB) or SHS 375: Speech Science (3)

Upper Division Electives -- 9 credit hours

SHS 401: Principles of Audiology (3)

SHS 402: Clinical Methods and Treatment of Communication Disorders (3)

SHS 465: Speech and Language Acquisition (SB) (3)

SHS 470: Developmental Speech and Language Disorders (3)

SHS 485: Acquired Speech and Language Disorders (3)

SHS 496: Aural Rehabilitation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in speech and hearing science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Graduates with a minor in speech and hearing science as complement to their major are prepared for application to most graduate programs in speech-language pathology, communication disorders or audiology.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/speech-and-hearing-science-0>

HLTHN 401AA

chs@asu.edu

480-965-2374

## Statistics Minor (ASSTAMIN)

**Campus:** West

**Description:**

Data is increasingly the lifeblood of decision-making, and the discipline of statistics studies how to gain insights from data. The minor program in statistics is intended for students in STEM majors who wish to significantly increase their grasp of statistics and probability at the upper-division level.

The core courses of STP 280 and STP 281 provide foundational skills in probability, the analysis of distributions and the most common methods of inference. Later, more advanced coursework allows for specialization in nonparametric regression, statistical computing, multivariate analysis or other specialized topics.

The completion of this minor in statistics indicates to employers and graduate school admission committees that students have had significant training in the proper handling, analysis and interpretation of data.

**Program Requirements:**

The minor in statistics consists of 19 credit hours, of which nine must be upper-division. A minimum of six credit hours must be taken through courses offered by the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses -- 13 credit hours

MAT 271: Calculus with Analytic Geometry II (MA) (4)

STP 280: Probability and Statistics for Researchers (CS) (3)

STP 281: Statistical Analysis for Researchers (3)

STP 310: Design and Analysis of Experiments or STP 311: Regression and Time Series Analyses (3)

Upper Division Electives -- 6 credit hours

STP 310: Design and Analysis of Experiments (3)

STP 311: Regression and Time Series Analyses (3)

STP 315: Statistical Computing (3)

STP 394: Special Topics or STP 499: Individualized Instruction (3)

STP 421: Probability (3)

STP 450: Nonparametric Statistics (3)

STP 452: Multivariate Statistics (3)

STP 460: Categorical Data Analysis (3)

Three credit hours of STP 394 or STP 499 may be used towards elective requirements.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in statistics

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. A student should consult an academic advisor in the unit that offers the minor to ensure they take an appropriate set of courses. They also should consult an academic advisor in the major to make sure that college or department allows recognition of the minor; certain combinations of major and minor may be deemed inappropriate by either offering unit. Courses taken for the minor may not count toward both the major and minor. Students should contact the department offering the minor for more information.

**Career Opportunities:**

A minor in statistics is an excellent addition for students with an interest in data and data analytics. Graduates work in a variety of fields, including government, business, healthcare and technology.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/programs/minor/statistics>

FAB N101

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Statistics Minor (LASTAMIN)

**Campus:** Tempe

### **Description:**

The minor in statistics is beneficial for students majoring in a variety of disciplines, such as physics, engineering applications, business, economics, the life and social sciences, or to any field where there is a need for quantification in the analysis of phenomena.

### **Program Requirements:**

The minor in statistics requires a minimum of 18 credit hours, of which at least 12 hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours

MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)

MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)

STP 420: Introductory Applied Statistics (CS) (3)

STP 421: Probability (3)

STP 427: Mathematical Statistics (3)

STP 429: Applied Regression (CS) (3)

STP 421 and STP 427 must be taken through The College of Liberal Arts and Sciences.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science and statistics; BS in data science, BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Students should confer with an academic advisor in the School of Mathematical and Statistical Sciences before declaring the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. Based on factors like pay, growth and job satisfaction, statistics has been named in separate job reports as one of the best careers for millennials. Data and the analysis of data is big business, and the Department of Labor projects a 25% growth in the need for employees trained in data analytics.

For students pursuing a minor in statistics, that means an exciting future of career opportunities in fields as diverse as business, finance, engineering, technology, sports, marketing, government, health care, the environment, politics and sports, and other areas of the economy.

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>  
WXMLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Studio Art Minor (HISTARTMIN)

**Campus:** Tempe

**Description:**

The studio art minor is an opportunity for students across ASU to pursue their interest in art and expand any career path with critical thinking and creative problem solving skills. Across six art courses, students learn art techniques and concepts. The designated coursework is flexible enough for students to concentrate in a single area of the studio arts or explore several mediums.

**Program Requirements:**

The minor in studio art requires 18 credit hours (nine upper division). All courses must be completed with a minimum grade of "C" (2.00).

Studio Core -- 9 credit hours

ART 110: Drawing as Seeing and Thinking (HU) or ART 112: 2-D Design or ART 113: Color or ART 115: 3-D Design or ART 116: Introduction to Digital Media (3)

ART 2\*\* Elective (6)

Upper-Division Studio Courses -- 9 credit hours

ART Upper Division Elective (9)

Notes: When selecting upper division (3XX/4XX) ART studio courses, check the prerequisites. In some cases, instructors will approve an override.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: All studio art majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in studio art can help students as they pursue careers in animation, ceramics, painting and drawing, textiles, printmaking, and sculpture, woods, and metals.

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu>

CDS 101

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Sustainability Minor (SUSUSMIN)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West, Online

**Description:**

Students in the sustainability minor learn about the concept of sustainability and how it may be used to develop solutions to pressing issues affecting society, organizations, the environment and the world.

The program introduces sustainability principles and contextualizes how sustainability can be applied to all academic disciplines and professional fields. Students explore the challenges of sustainability within human institutions, organizations, the environment, cultures and technology, all in local, national and international contexts.

The minor is intended to draw from and inform almost any major offered by the university.



**Program Requirements:**

The sustainability minor requires 18 credit hours of study, of which at least nine must be upper-division. The program includes six credit hours of required core courses, six credit hours of required theme courses and six credit hours of upper-division sustainability-related electives that relate to the student's major.

All courses must be completed with a grade of "C" (2.00) or higher.

**Required Core Courses -- 6 credit hours**

SOS 100: Introduction to Sustainability (G) (3)

SOS 300: Advanced Concepts and Integrated Approaches in Sustainability (3)

**Required Theme Courses -- 6 credit hours**

Two courses, each from a different sustainability theme area below.

**Coupled Human-Environment Systems**

ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) (3)

CHM 107: Chemistry and Society (SQ) (3)

CRD 301: Sustainable Communities (3)

CRD 302: Inclusive Community Development (SB & C) (3)

GLG 110: Dangerous World (SQ & G) (3)

GPH 210: Society and Environment (G) (3)

ISS 450: Consumerism and Sustainable Development (SB) (3)

LSC 362: The Human Environment (3)

SOS 320: Society and Sustainability (L or SB) (3)

SOS 327: Sustainable Food and Farms (3)

**Earth Systems**

ABS 225: Soils (SQ) (3)

ABS 270: Sustainable Biological Systems (3)

BIO 100: The Living World (SQ) (4)

ENV 410: Soil Science (4)

GLG 101: Introduction to Geology I (Physical) (SQ) (3)

GLG 108: Water Planet (SQ) (4)

GLG 110: Dangerous World (SQ & G) (3)

GPH 211: Landform Processes (SQ) (4)

LSC 388: Bee Ecology in Urban and Wild Habitats (L) (3)

SES 106: Habitable Worlds (SQ) (4)

SOS 326: Sustainable Ecosystems (3)

**Human Transformation of the Earth**

ABS 260: Fundamentals of Sustainable Horticulture (SG) (4)

ABS 270: Sustainable Biological Systems (3)

ABS 363: Sustainable Landscape Practice (4)

ALA 100: Introduction to Environmental Design (HU & H & G) (3)

ASM 104: Bones, Stones, and Human Evolution (SB or SG) (4)

BIO 130: Introduction to Environmental Science (SQ) (4)

CON 101: Construction and Culture: a Built Environment (HU & H) (3)

ENV 201: Fundamentals of Environmental Science (3)

FSE 181: Technological, Social, and Sustainable Systems (HU) (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)

IND 243: Design for Ecology and Social Equity (3)

SOS 111 / PUP 190: Sustainable Cities ((HU or SB) & G) (3)

SOS 323: Sustainable Urban Dynamics (3)

SOS 324: Sustainable Energy Technology and Systems (3)

SOS 465 / PUP 465: Sustainable Urbanism (3)

STS 235: Technology and Urban Systems (L) (3)

**Social, Political and Economic Treatment of Natural Resources and Environment**

ABS 381: Natural Resources Policy (3)

ABS 479: Ecosystem Management and Planning (L) (3)

AGB 250: Economics of Resource Allocation: Food and Agriculture (3)

AGB 414: Food and Agribusiness Policy Issues (L) (3)

AGB 452: Global Food and Agricultural Trade (3)

ASB 100: Introduction to Global Health (SB & G) (3)  
CRD 301: Sustainable Communities (3)  
GCU 441: Economic Geography (SB) (3)  
HCI 311: Health Innovation: Foundational Concepts (3)  
HCI 412: Transforming Health Care: A Systems Perspective for Innovation (3)  
HCI 421: Health Care Policy: The Innovator's View (3)  
HCR 230: Culture and Health (C & G) (3)  
HCR 336: Environmental Community Health (3)  
HCR 494: Food Safety and Protection (3)  
IAS 340 / PHI 320: Bioethics (HU) (3)  
IAS 409: Eco-Community Ethics (HU) (3)  
NLM 410: Social Entrepreneurship (3)  
PHI 306: Applied Ethics (HU) (3)  
PHI 360: Business and Professional Ethics (HU) (3)  
PRM 340: Outdoor Survival (3)  
SGS 203: Contemporary Global Trends (SB & G) (3)  
SGS 303: Global Trends (SB & G) (3)  
SOS 110: Sustainable World (SB) (3)  
SOS 321: Policy and Governance in Sustainable Systems (3)  
SOS 323: Sustainable Urban Dynamics (3)  
SOS 325: The Economics of Sustainability (3)  
SOS 330: Sustaining the Commons (L) (3)  
STS 101: Introduction to Science, Technology and Society (SB) (3)  
STS 110: Global Technology and Development (SB & G) (3)  
TDM 482: Sustainable Revenue Management (3)

Upper-Division Sustainability-Related Electives -- 6 credit hours

Upper Division courses that are sustainability-related and ideally make a connection between the student's major and the minor (6)

Students should consult with their major advisor for upper division sustainability-related elective course selection. Possible courses for these electives can be explored at <https://schoolofsustainability.asu.edu/sustainability-courses-at-asu/> (<https://schoolofsustainability.asu.edu/sustainability-courses-at-asu/>), but still need to be approved by the student's major academic advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Other Enrollment Requirements: Students interested in adding a minor in sustainability should work with their major academic advisor. A student's major advisor will approve the two upper-division electives required for the minor in sustainability.

Incompatible Majors: BA in business (sustainability); BA in interdisciplinary studies with a concentration in sustainability; BS in public service and public policy (sustainability); BA in sustainability; BS in sustainability; BS in sustainable food systems

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

#### **Career Opportunities:**

Knowledge and practice of sustainability complement any career path students choose, whether it's in business, technology, science, education or government. The unique knowledge and skills gained from this transdisciplinary program enhance a student's bachelor's degree and career prospects, helping them stand out in a sea of job applicants. Students can incorporate sustainability into existing or future education endeavors to bring forth a positive change.

**Contact Information:**

Global Futures, College of  
School of Sustainability  
<https://schoolofsustainability.asu.edu/>  
WGHL 108  
cgfadvising@asu.edu  
480-727-6963

## Sustainable Tourism Minor (PPTDMSMIN)

**Campus:** Downtown Phoenix

**Description:**

As sustainability expands in popularity as a discipline, students are looking to find ways to better understand how they can apply the principles of sustainability to specific areas of interest. A minor in sustainable tourism allows students from any major to learn the basic concepts and theories of tourism development and management. This program helps students identify ways in which tourism can contribute to sustainable development, locally and globally.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as sustainability, business and many others find this program a beneficial supplement to their existing program. Students may also choose to complete a study abroad program.

**Program Requirements:**

The minor requires a total of 15 credit hours: 12 credit hours of required courses and one three-credit hour course from the list of electives.

Required Core Courses -- 12 credit hours

TDM 205: Introduction to Travel and Tourism (G) (3)

TDM 372: Tourism Planning (L) (3)

TDM 458: International Tourism (G) (3)

TDM 480: Sustainable Tourism (3)

Elective Course (choose one) -- 3 credit hours

TDM 448: Heritage and Cultural Tourism (3)

TDM 475: Entrepreneurial Recreation and Tourism (3)

TDM 481: Sustainable Food Management in Tourism (3)

Notes: Offered spring semester only

TDM 482: Sustainable Revenue Management (3)

Notes: Offered spring semester only

TDM 494: Special Topics (3)

Standards

1. 15 hours of graded classroom coursework (no internship, no independent study)
2. minimum "C" (2.00 on a 4.00 scale) grade required for all courses in the minor
3. should be a junior or higher to take 400-level courses
4. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in tourism development and management; BS in tourism development and management (sustainable tourism); BS in tourism development and management (resort and hotel leadership); BA in business (tourism); BS in tourism development and management (meeting and events)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:**

Graduates with a minor in sustainable tourism can find opportunities in diverse settings in a wide range of industries, including hotel management, environmental focused and travel agencies.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/degree-programs>  
UCENT 550  
scrdadvising@asu.edu  
602-496-0550

## Technical Communication Minor (LSTWCMIN)

**Campus:** Polytechnic, Online

**Description:**

The minor in technical communication provides a foundation in workplace-oriented communication skills that complement many majors, particularly those in engineering and other technical disciplines.

Students learn how to design, produce and manage professional documents, both print and digital, and they also strengthen their technological abilities.

**Program Requirements:**

The minor in technical communication requires 18 credit hours. A grade of "C" or better is required for all courses in the minor.

Required Courses -- 12 credit hours

TWC 301: Fundamentals of Writing for Digital Media (L) (3)

TWC 401: Fundamentals of Technical Communication (L) (3)

TWC 411: Principles of Visual Communication (L) or TWC 421: Principles of Web Authoring (L) (3)

TWC 431: Principles of Technical Editing (3)

Elective Courses (choose two) -- 6 credit hours

TWC 411: Principles of Visual Communication (L) (3)

TWC 414: Visualizing Data and Information (3)

TWC 421: Principles of Web Authoring (L) (3)

TWC 422: Social Media in the Workplace (3)

TWC 435: Global Issues in Technical Communication (G) (3)

TWC 436: Project Management in Technical Communication (3)

TWC 443: Grant & Proposal Writing (3)

TWC 444: User Experience (3)

TWC 445: Content Strategy (3)

TWC 446: Technical and Scientific Reports (L) (3)

TWC 451: Copyright and Intellectual Property in the Electronic Age (3)

TWC 452: Information in the Digital Age (3)

TWC 453: Information and Communications Technology in American History (L & H) (3)

TWC 454: Information Technology and Culture (C) (3)

TWC 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BAS in applied science (technical communication); BS in technical communication; BS in technical communication (user experience)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

The technical communication minor can benefit graduates of many degree programs when they pursue careers in web development, project management and instructional design, making them more competitive in their career path.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/tech-comm>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Technological Entrepreneurship and Management Minor (ESTEM2MIN)

**Campus:** Polytechnic, Online

**Description:**

The minor in technological entrepreneurship and management is available to students who are interested in advancing ideas for new or improved products or services. Students learn the range of skills needed to develop new products, services and business models as well as whole new industries.

The courses available for the minor are designed to advance entrepreneurial and systems thinking and cover a broad range of topics important to venture startups such as creativity, entrepreneurship, innovation, global impact and systems thinking.

This minor is available as either an on-campus or 100% online program.

**Program Requirements:**

Completion of the technological entrepreneurship and management minor requires 18 resident credit hours of the specified courses with a grade of "C" or better in each course. At least four of the six courses must be upper-division. Students may not double count any courses with other entrepreneurship certificates.

Required Courses -- 12 credit hours

- FSE 301: Entrepreneurship and Value Creation (3)
- TEM 230: Creativity and Business Innovation (3)
- TEM 330: Systems Innovation or TEM 431: Innovation Management (3)
- TMC 110: Understanding the Enterprise (3)

Electives -- 6 credit hours

- ACC 382: Accounting and Financial Analysis (3)
- CIS 300: Web Design and Development or GIT 215: Introduction to Web Authoring (3)
- ENT 446: Venture Capital Experience (3)
- ENT 447: Lean Launch (3)
- ENT 448: Corporate Entrepreneurship (3)
- LES 380: Consumer Perspective of Business Law or OMT 402: Legal Issues for Technologists (3)
- MGT 380: Management and Strategy for Nonmajors or TMC 430: Enterprise Strategy and Innovation (3)
- MKT 425: Global Marketing Management (G) (3)
- TEM 294: Social Entrepreneurship I (3)
- TEM 311: Opportunity Analysis (3)
- TEM 394: Social Entrepreneurship II (3)

TEM 400: Technology Entrepreneurship (3)  
TEM 481: Consulting Project (3)  
TEM 482: Startup Workshop (3)  
TMC 310: Promotion of the Enterprise or MKT 300: Marketing and Business Performance or MKT 390: Essentials of Marketing or AGB 420: Food Advertising and Promotion (3)  
TMC 320: Funding the Enterprise or FIN 455: Entrepreneurial Finance (3)  
TMC 330: Leading the Enterprise or MGT 300: Organization and Management Leadership or ENT 441: Entrepreneurial Management (3)  
TMC 331: Quality Assurance (3)  
TMC 410: Enterprise Operations (3)  
TMC 470: Enterprise Planning and Implementation (3)

By petition, students can take two upper-division electives from their chosen discipline.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

#### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BS in technological entrepreneurship and management; BAS in applied science (operations management); BS in business entrepreneurship

Other Enrollment Requirements: The technological entrepreneurship and management minor is open to non-TEM undergraduate students. TEM students are not eligible to apply for this minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

#### **Career Opportunities:**

The technological entrepreneurship and management minor prepares students for a wide variety of career possibilities; some examples are technology-based entrepreneurship, product development, consulting, venture capital analysis, business development, market analysis and technology marketing.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Tech Entrepreneurship & Mgmt  
<https://poly.engineering.asu.edu/tem/bs-in-technological-entrepreneurship-and-management/>  
WANER 240  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## **Theatre Minor (FATHEMIN)**

**Campus:** Tempe

#### **Description:**

Students pursuing the theatre minor study the literatures, histories and basic production practices of theatre while having opportunities to concentrate in an area such as:

- design and production
- directing and performance
- new work development
- theatre and performance studies
- theatre for youth and community

**Program Requirements:**

The school offers a minor in theatre consisting of 22 credit hours of coursework (12 credit hours must be upper division). A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met (see course listings).

Transfer students may transfer up to nine credit hours toward the minor.

Theatre Core -- 10 credit hours

THF 101: Acting Introduction (3)

THF 160: Introduction to Storytelling (HU) (3)

THF 215: Design and Composition for Theatre and Film (HU) (3)

THP 201: Theatre Production Crew (1)

\*Students who take Acting I (THF 101 or THP 102) for their major must complete an additional course in Theatre to complete the Theatre Minor.

Theatre History -- 3 credit hours

THE 322: Theatre History and Culture (HU & H) (3)

Theatre-Related Upper Division Courses -- 9 credit hours

THE OR THF OR THP OR FMP Upper Division Elective (9)

FMP courses must be Theatre-related.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: All theatre majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in theatre can help students as they pursue careers in arts administration, teaching, law, fundraising management or marketing.

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/>

GHALL 240

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-4206

## Tourism Development and Management Minor (PPTDMMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in tourism development and management provides students with the planning and development skills needed to enter the largest industry in the world. Exposure to the businesses of sustainable tourism, heritage tourism and meeting and convention planning prepares students for successful careers in the fast-growing travel and tourism industry.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program.

Having completed the minor program in tourism development and management, a student also may complete a certificate in convention sales and

meeting planning: <https://scrd.asu.edu/programs/certificate/convention-sales-and-meeting-planning>  
(<https://scrd.asu.edu/programs/certificate/convention-sales-and-meeting-planning>).

Students also may choose to participate in a study abroad program.

**Program Requirements:**

The tourism development and management minor requires 15 credit hours: six credit hours of required core courses and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours

TDM 205: Introduction to Travel and Tourism (G) (3)

TDM 480: Sustainable Tourism (3)

Elective Courses (choose three) -- 9 credit hours

PRM 145: Special Events Management (3)

TDM 225: Introduction to Resort and Hotel Management (3)

TDM 345: Meeting and Convention Planning (3)

TDM 350: Tourism, Recreation and Sports Marketing (3)

TDM 386: Convention Sales and Management (3)

TDM 415: Tourism Transportation Systems (3)

TDM 448: Heritage and Cultural Tourism (3)

TDM 458: International Tourism (G) (3)

TDM 483: Sports Tourism (3)

Notes: Offered during spring semester only

TDM 494: Special Topics (3)

**Standards**

1. 15 hours of graded classroom coursework (no internship, no independent study)
2. minimum grade of "C" (2.00 on a 4.00 scale) required for all courses in the minor
3. students should be a junior to take 400-level courses
4. no double-counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in tourism development and management; BS in tourism development and management (sustainable tourism); BS in tourism development and management (resort and hotel leadership); BA in business (tourism)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

The minor program offers students opportunities to pursue a broad spectrum of careers in areas such as travel agencies and tour operations; front office, food and beverage and room division departments; and recreation and leisure activity coordination. Students can find various opportunities to grow, as, for instance, hotel and spa managers, sales and marketing managers, and as organizers of festivals, sports, special events and conferences.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>



## Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)

**Campus:** Tempe

### **Description:**

In the transborder Chicana/o and Latina/o studies minor, students gain general knowledge from a comparative perspective about the Chicano and Latino populations in the United States and on the U.S.-Mexico border.

The core requirements focus on these populations' cultural, economic, sociological, historical, psychological and artistic experiences. In the remaining credit hours, students may select from courses in a variety of topics including:

- community development
- diversity in education
- film and the media
- health issues
- immigration and migration
- language and bilingualism
- literature and performance
- politics and policy

### **Program Requirements:**

The minor requires 18 credit hours of coursework, of which at least 12 credit hours must be completed at the upper-division level. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses used toward the minor.

Core Requirements -- 6 credit hours

TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C) or TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C) (3)

TCL 331 / HST 331: Mexican American History to 1900 (SB & H & C) or TCL 332 / HST 332: Mexican American History Since 1900 (SB & H & C) (3)

Electives -- 12 credit hours

TCL Elective (3)

TCL Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

### **Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in transborder Chicana/o and Latina/o studies (all concentrations)

Other Enrollment Requirements: None

An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

### **Career Opportunities:**

The minor in transborder Chicana/o and Latina/o studies prepares students to work with Chicano and Latino populations in many industries including:

- education (administration and teaching)

- film, media and the arts
- law
- local, state and national government agencies
- nonprofit organizations
- public affairs
- public health
- public policy and administration
- social work

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Transborder Studies  
<https://sts.asu.edu/>  
 INTDSB 165  
 sts.undergrad@asu.edu  
 480-965-5091

**Urban Planning Minor (ARPUPMIN)**

**Campus:** Tempe, Online

**Description:**

The urban planning minor introduces students to the field of urban, regional and environmental planning. Students in the urban planning minor are exposed to the theories, methods and practices of the profession.

Some of the content area options available to students in the urban planning minor include:

- comprehensive planning
- planning law
- public policy formulation
- site planning
- socioeconomic and environmental analyses
- sustainable planning
- urban design

**Program Requirements:**

The minor requires completion of 18 credit hours, of which at least 12 must be upper-division. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours

PUP 301: Introduction to Urban Planning (L) (3)

Urban Planning Electives -- 6 credit hours

PUP Elective (6)

Upper-Division Urban Planning Electives -- 9 credit hours

PUP Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BSP in urban planning

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the

college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

Students who wish to gain a further understanding of their communities, from the neighborhood to the national level, can benefit from an urban planning minor. The focus of this education provides insights into how neighborhoods are created, and the effects that the planning of neighborhoods has on its residents.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/undergraduate-minors-and-certificates/urban-planning>  
COOR 5681  
SGSUP.advising@asu.edu  
480-965-7533

## Urban and Metropolitan Studies Minor (PPURBMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in urban and metropolitan studies offers students interested in the urban environment the opportunity to explore the wide variety of issues that influence the quality of life in urban communities.

Students are encouraged to learn about cities as historical, social, cultural, economic and political phenomena in order to gain a strong understanding of the complex relationships that contribute to the problems and opportunities of urban living.

The program allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from various disciplines such as planning, business, political science, nonprofit management and leadership, communication, social work, geography and many others might find this program a beneficial supplement to their existing program.

**Program Requirements:**

This minor requires 15 credit hours of coursework, of which at least 9 credit hours must be upper-division. A grade of "C" (2.00 on a 4.00 scale) or better is required in each course. A minimum of 12 hours must be completed at ASU.

Required Courses -- 6 credit hours

PAF 305: Urban Governance (3)

PAF 351: Urban and Metropolitan Studies (3)

Core Courses (choose two) -- 6 credit hours

PAF 220: Introduction to Urban America (3)

PAF 240: Urban Policy (C) (3)

PAF 302: Public Service Research Methods (3)

PAF 352: Urban Theory (3)

PAF 410: Building Leadership Skills (SB) (3)

Urban Elective (choose one course from the following subjects) -- 3 credit hours

ASB OR COM OR CRJ OR GCU OR GPH OR HST OR MGT OR NLM OR PAF OR POS OR PRM OR SBS OR SOC OR SOS OR SWU OR TDM OR TWC OR WST Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BA and BS in urban and metropolitan studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

Students completing this minor are prepared to pursue a career in a field related to management and policy areas associated with towns, cities and regions. This may include opportunities as a policy analyst, entry-level manager or program coordinator in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/undergradminors>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Wellness Foundations Minor (EEXWMIN)

**Campus:** Downtown Phoenix

**Description:**

The wellness foundations minor is offered to any ASU student interested in learning about optimizing personal health and wellness. Students develop a greater understanding of the behavioral, social, cultural and environmental factors that impact personal wellness behaviors and the better personal lifestyle choices that may enhance individual well-being.

**Program Requirements:**

The minor in wellness foundations consists of 18 credit hours, of which at least 12 credits must be upper-division. The minor requires that students complete the following courses with a grade of "C" (2.00 on a scale of 4.00) or higher.

Required Courses -- 15 credit hours

- EXW 302: Fundamentals of Wellness (L) (3)
- EXW 325: Fitness for Life (3)
- HEP 380: Body Image and Wellness (3)
- HSC 300: Complementary Health Care (3)
- NTR 100: Introduction to Nutrition Science or NTR 241: Human Nutrition (3)

Elective Course (choose one) -- 3 credit hours

- EXW 344: Impact of Physical Activity on Health and Disease (3)
- EXW 400: Stress Management for Wellness (3)
- EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) (3)
- HEP 350: Substance Abuse and Addictive Behavior (3)
- NTR 345: Development of Healthy Cuisines (3)
- NTR 348: Cultural Aspects of Food (SB & C & G) (3)
- NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in exercise and wellness; BS in health sciences; BS in the science of health care delivery; BS in health sciences (healthy lifestyles coaching)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

This course of study does not prepare students to pursue national certifications for professional practice in fields of study related to health, health coaching, fitness or wellness, but does allow the student to have a greater understanding and appreciation of how they can take control of their personal well-being and lead a healthier lifestyle.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/wellness-foundations>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Women and Gender Studies Minor (ASWSTMIN)

**Campus:** West

**Description:**

The minor program in women and gender studies examines the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas.

The program combines interdisciplinary topics and methods to critically analyze, unpack and address how relations of gender are embedded in and connected to social, political and cultural transformations. The intellectual core draws from theories, methods and teachings in women and gender studies while engaging complementary fields of social justice, cultural studies, sexuality studies, queer studies, literature, history, sociology, psychology, oral history, ethnicity, race and indigenous studies, and transnational studies.

**Program Requirements:**

The minor in women and gender studies consists of 18 credit hours. A minimum of 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken from courses offered by the School of Humanities, Arts, and Cultural Studies. Elective courses should be chosen in consultation with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Electives (choose from the following) -- 12 credit hours

ENG 443 / WST 415: Gender, Culture and Literacy (3)

ENG 454: Gender and Literature (L or HU) (3)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)

WST 220: Gender, Media and Culture (HU & C) (3)

WST 333: Critical Perspectives on Sexuality (SB & C) (3)

WST 341: Latin American Women Writers (3)

WST 370: Chronicling Women's Lives (HU & C) (3)

WST 376: Feminist Theory (H & C) (3)

WST 380: Race, Gender, and Class (SB & C) (3)

WST 390 / REL 390: Women, Gender and Religion (HU & G) (3)

WST 428: Gender, Madness and Justice (SB) (3)

WST 430: Gender on the Borderlands (SB & G) (3)

WST 433 / ETH 433: Race and Sexualities in Social Justice Movements (3)

WST 444: Gender, Health, and Bodies (SB) (3)

WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)

WST 457: Women, Cultures, and Societies (SB & G) (3)

WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)

WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)  
WST Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in social and cultural analysis (women and gender studies); BA in women and gender studies; BS in women and gender studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

This program prepares students for graduate study or a variety of fields including business, health care, criminal justice, social services, education, public relations, nonprofits, community development, public policy and government. Possible careers include community health workers, secondary school teachers, human resource managers, probation officers, social and community service managers, writers or academia.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/women-and-gender-studies-minor>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Women and Gender Studies Minor (LAWSTMIN)

**Campus:** Tempe, Online

**Description:**

In the minor program in women and gender studies, students complete a variety of courses that explore how gender and sexuality both impact and are affected by societies as a whole from around the world. The curriculum leads students to explore ideas about gender from an interdisciplinary perspective, to learn about social structures for different genders, and understand how these have been transformed by feminist theory and gender equality.

This minor also explores prominent contemporary issues through the lenses of sexuality, race and religion.

Original undergraduate research is encouraged and some course options may involve studying community problems and formulating policy solutions. Students have the option to include a capstone seminar requiring original research or an internship that prepares students for life after college through real-world experience.

**Program Requirements:**

The women and gender studies minor consists of 18 credit hours, of which at least 12 must be upper-division. A minimum grade of "C" (2.00 on a 4.00 scale) is required for all courses in the minor.

Required Core Course -- 3 credit hours

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Elective Core Courses (choose one) -- 3 credit hours

WST 377: History of American Feminist Thought (H & C) (3)

WST 378: Global Feminist Theory (L & G) (3)

WST 380: Race, Gender, and Class (SB & C) (3)

Electives -- 12 credit hours  
WST Elective (3)  
WST Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in social and cultural analysis (women and gender studies); BS and BA in women and gender studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with the knowledge and skills acquired through the minor in women and gender studies can bring social justice concerns to a variety of professional careers, including law, education, public service, and human welfare and social work.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/graduate/minor-women--gender-stds-minor>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## Writing, Rhetorics and Literacies Minor (LAWRHLMIN)

**Campus:** Tempe

**Description:**

The minor in writing, rhetorics and literacies teaches students strategies for inquiry.

Students study the ways in which communication creates knowledge and action and how communication is constructed, circulated, reacted to and repurposed through time and place. Through differing tools of inquiry, students explore the history, theories and methods of inquiry as well as pragmatic and social actions of rhetoric, writing and literacies.

The goal of this program is to educate citizens who can create new knowledge and reason, read, write and act in robust and significant ways to meet the new challenges of the present and the future.

**Program Requirements:**

The minor in writing, rhetorics and literacies consists of 18 credit hours. At least 12 credit hours must be completed at the upper-division level, with a minimum of six upper-division credit hours from courses offered by The College of Liberal Arts and Sciences. Courses must be completed with a grade of "C" (2.00 on a scale of 4.00) or better to satisfy minor requirements.

Required Courses -- 6 credit hours

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)

ENG 390: Methods of Inquiry (L) (3)

Directed Electives (choose two) -- 6 credit hours

ENG 391: Writing in Context (3)

ENG 392: History of Rhetorical Theory (3)

ENG 393: Theories of Literacy (3)

Elective Minor Courses -- 6 credit hours

ENG 301: Writing for the Professions (L) (3)

ENG 311: Persuasive Writing (L) (3)

ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)

ENG 338: Protest Literature (3)

ENG 370: Science, Values, and the Public (3)

ENG 371: Rhetoric of the Environmental Movement (3)

ENG 409: Analyzing Rhetoric (3)

ENG 419: Writing in Digital Spaces (3)

ENG 472: Rhetorical Studies (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in English - all concentrations

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact the department offering the minor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in writing, rhetorics and literacies can benefit those who pursue careers in writing, editing or publishing.

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of English

<https://english.asu.edu/>

RBHL 170

[englishadvising@asu.edu](mailto:englishadvising@asu.edu)

480-965-3168

## Youth Services Leadership Minor (HSYSLMIN)

**Campus:** Downtown Phoenix

**Description:**

The minor program in youth services leadership is designed to explore the area of youth leadership from the perspective of those who work face-to-face with youth in a variety of settings.

The minor allows students enrolled in a variety of undergraduate programs at ASU to broaden their knowledge of youth services. Students from programs such as education, nursing, social work, criminal justice and others may find this program a beneficial supplement to their existing program.

**Program Requirements:**



The minor requires 15 credit hours: six credit hours of required courses and nine credit hours of elective courses. At least nine credit hours must be upper-division.

Required Core Courses -- 6 credit hours

PRM 203: Program Planning (3)

PRM 335: Sports and Recreation for Youth Development (3)

Notes: Offered spring semester only

Elective Courses (choose three) -- 9 credit hours

CRD 302: Inclusive Community Development (SB & C) (3)

CRJ 204: Juvenile Justice (3)

CRJ 462: Gangs (3)

NLM 220: Introduction to Nonprofit Organizations (3)

NLM 310: Volunteer Management (3)

NLM 451: Grant Writing (3)

Notes: Offered fall semester only

PRM 145: Special Events Management (3)

PRM 364: Foundations of Recreation Therapy (SB) (3)

PRM 455: Recreational Therapy and Play with Children, Youth and Families (3)

Standards

1. 15 hours of graded classroom coursework (no internship, no independent study)
2. minimum "C" (2.00 on a 4.00 scale) grade required for all courses in the minor
3. should be a junior to take 400-level courses
4. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management; BS in parks and recreation management (therapeutic recreation); BS in community sports management; BS in recreation therapy

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:**

A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide. A minor in youth services leadership can help students as they pursue careers in youth services or as family resource coordinators.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu/content/degree-programs>

UCENT 550

scrdadvising@asu.edu

602-496-0550

# Undergraduate Programs

## Undergraduate Certificates (Program Descriptions and Requirements)

### Actuarial Science Certificate (LAACTCERT)

**Campus:** Tempe

**Description:**

Actuarial science is an area of mathematical and statistical science that requires expertise in specializations of probability and interest theory, coupled with a strong foundation in accounting, finance and economics. This certificate provides students with preparation for professional actuarial credentialing exams offered by the Society of Actuaries and the Casualty Actuarial Society.

**Program Requirements:**

The certificate requires a minimum of 19 credit hours, of which at least 12 credit hours must be upper-division. Specific minimum course grades are required for each course, see notes below.

Required Courses -- 13 credit hours

ACT 201: Introduction to Elements and Techniques of Actuarial Science (3)

ACT 410: Mathematics of Finance (4)

ACT 415: Probability for Risk Management (3)

ACT 440: Long-Term Actuarial Mathematics I or ACT 450: Actuarial Models and Modeling I (3)

A grade of "B" (3.00 on a 4.00 scale) or better is required for ACT 201, ACT 410 and ACT 415. A grade of "C" (2.00 on a 4.00 scale) or better is required for ACT 440 or ACT 450.

Electives (choose two courses) -- 6 credit hours

ACT 420: Ratemaking and Reserving (3)

ACT 430: Mathematics of Financial Derivatives (4)

ACT 435: Statistics for Risk Modeling (3)

ACT 440: Long-Term Actuarial Mathematics I (3)

ACT 441: Long-Term Actuarial Mathematics II (3)

ACT 450: Actuarial Models and Modeling I (3)

ACT 451: Actuarial Models and Modeling II (3)

A grade of "B" (3.00 on a 4.00 scale) or better is required in the following courses: ACT 420, ACT 430, ACT 435.

A grade of "C" (2.00 on a 4.00 scale) or better is required in the following courses: ACT 440, ACT 441, ACT 450, ACT 451.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Although no specific degree is required for admission to the actuarial science certificate program, a strong mathematical background is essential (found in majors such as mathematics, statistics, engineering and natural sciences). Students with a major or degree other than those listed will require additional preparation beyond the certificate. Students are required to have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") and grades of "B" or better in courses of multivariate calculus, linear algebra and introductory statistics at ASU or an equivalent institution.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Risk is a part of daily life and wherever there is risk, there are opportunities for actuarial intervention. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health and to ensure organizations conform to stringent, complex legal mandates. Others help companies to establish retirement plans or are employed as consultants. Students with a certificate in actuarial science possess skills that are transferable to any industry and any organization that requires risk modeling and management, including:

- colleges and universities
- consulting firms
- energy, such as utilities, oil and gas

- environment (on issues such as climate change and the financial impact or risk of extreme events)
- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor and Medicare (to manage social programs and to develop regulations and legislation)
- insurance companies
- retirement and pensions
- transportation, such as shipping and air travel

Students can also apply the advanced problem-solving skills learned in the actuarial science certificate program to a variety of other professional careers, including:

- analysts
- business operations specialists
- consultants
- teachers

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
 WXHR A211  
[math@asu.edu](mailto:math@asu.edu)  
 480-965-7195

**African and African American Studies Certificate (LAAFRCERT)**

**Campus:** Tempe

**Description:**

The certificate program in African and African American studies examines the culture, arts, history, politics, economics and current status of Africans, African Americans and the larger African diaspora, especially in Central America, South America and the Caribbean. The goal is to prepare students for lifelong learning, advanced study in a variety of fields, successful careers and productive public service in an increasingly diverse society.

**Program Requirements:**

The certificate consists of 15 credit hours, at least 12 of which must be completed at the upper-division level. All courses used toward the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Core Course -- 3 credit hours

- AFR 200: Introduction to Africana Studies (SB & G & H) (3)
- AFR 210: Introduction to African American Studies (C) (3)

Elective Core Course -- 3 credit hours

- AFR 300: Precolonial Africa (SB & G & H) (3)
- AFR 301: Race and Racism in Africa/African Diaspora (SB & G) (3)
- AFR 370 / FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)
- AFR 375: Race, Gender and Sport (SB & C) (3)

Three Content Courses (from following list) -- 9 credit hours

- AFR 336 / ASB 336: African Art (HU & G) (3)
- AFR 340: The Making of Modern Africa (SB & G & H) (3)
- AFR 345 / JUS 345: Peoples and Cultures of the Caribbean (SB & G & H) (3)
- AFR 350 / APA 350 / CDE 350 / SOC 350 / TCL 360 / JUS 365: Inequality and Diversity in Education (L & C) (3)
- AFR 352 / APA 352 / JUS 353: Borders, Prisons and Suburbs (SB & C) (3)
- AFR 353 / AMS 353 / ENG 353 / ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)
- AFR 354 / AMS 354 / ENG 354 / ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)
- AFR 363 / HST 333: African American History to 1865 (SB & H & C) (3)
- AFR 364 / HST 334: African American History Since 1865 ((HU or SB) & C & H) (3)
- AFR 365 / WST 364: Unruly Voices: Black Women and Cultural Narratives (HU & C) (3)
- AFR 366 / ASB 366: African Archaeology: Precolonial Urban Culture (SB & H) (3)
- AFR 372 / REL 362 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)
- AFR 373 / REL 363: Islam and World Affairs (G) (3)
- AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)

AFR 459 / ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G) (3)  
AFR 466 / ASB 466: Peoples and Cultures of Africa (SB & G) (3)  
AFR 470 / WST 471: Women's International Human Rights (3)  
AFR 480 / REL 461 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)

Other courses may be used with approval from an academic advisor in the School of Social Transformation

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Students can advance their career options with an undergraduate certificate. By adding this specialization in African and African American Studies as a complement their major program of study, students will become more attractive to employers.

Graduates who have completed this undergraduate certificate often decide to pursue employment in education, public service, and human welfare and social work. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://dev-sst20.ws.asu.edu/degree/certificate/certificate-african-am-stds-cert>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## **American Indian Nation Governance Certificate (LAAIGVCERT)**

**Campus:** Tempe

#### **Description:**

The American Indian nation governance certificate students develop knowledge about and insight into government and governance in Native American communities. The curriculum covers themes such as the history, policies and sovereign status of American Indians, and the legal relationships between the Native American nations and state governments as well as the U.S. federal government.

#### **Program Requirements:**

The certificate in American Indian Nation governance requires completion of 15 credit hours (12 of which must be upper-division and nine of which must be taken from The College of Liberal Arts and Sciences). Students complete six credit hours of American Indian studies and six credit hours of political science. An additional three credit hours are selected from the approved list of AIS and POS policy and applied courses, including an optional internship. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher for use in the certificate.

AIS Core Courses (choose two) -- 6 credit hours

AIS 180: Introduction to American Indian Studies (C) (3)

AIS 380: Contemporary Issues of American Indian Nations (C) (3)

AIS 470: Tribal Governance (3)

POS Core Courses (choose two) -- 6 credit hours

POS 310: American National Government (SB) (3)

POS 325: Public Policy Development (SB) (3)

POS 346: Problems of Democracy (HU) (3)

POS 368: Ethics and Human Rights (3)

POS 370: Law and Society (SB) (3)

POS 439: Minority Group Politics in America (SB & C) (3)

AIS or POS Policy and Applied Course (choose one) -- 3 credit hours

AIS 394: Reservation Economic Development (3)

AIS 445: American Indian Leadership and Resistance (SB & H & C) (3)  
AIS 455: Human Rights and Cultural Resource Laws (3)  
AIS 484: Internship (3)  
AIS 494: American Indian and Indigenous Rights (3)  
AIS 494: American Indian Rights (3)  
AIS 498: Pro-Seminar (L) (3)  
POS 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who combine the certificate in American Indian nation governance with their major program of study may increase their marketability to employers.

Those completing this certificate program are better prepared to work with Indian nations, federal and state agencies, and nonprofit organizations, regardless of their academic major or final career path.

**Contact Information:**

Liberal Arts and Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>  
DISCOVERY 356  
AIS@asu.edu  
480-965-3634

## Analysis and Management of Insurance Risk Certificate (LAAMIRCERT)

**Campus:** Tempe

**Description:**

Risk management is the identification, assessment and prioritization of risks that is followed by coordination and economic application of resources to minimize risk and monitor the probability and impact of unfortunate events or to maximize the realization of opportunity. The objective of risk management is to assure uncertainty does not deflect the endeavor from the business goals.

The certificate program helps students become well-rounded business assessors of risk, ready to utilize their knowledge of mathematics, statistics, economics, marketing, business, finance and accounting in an insurance career.

**Program Requirements:**

The certificate requires 15 credit hours from the approved course list below, with the only required course being ACT 301.

Required -- 3 credit hours

ACT 301: Risk Management and Insurance (SB) (3)

Electives (choose four) -- 12 credit hours

ACT 201: Introduction to Elements and Techniques of Actuarial Science (3)

ACT 302: Fundamentals of Enterprise Risk Management (3)

ACT 320: Property and Casualty Insurance (3)

ACT 330: Life and Health Insurance (3)

ACT 370: R and Excel for Actuaries (3)

ACT 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students must hold a minimum GPA of 2.50 to pursue this certificate and have completed the following prerequisite courses at ASU or an equivalent institution with a grade of "C" or better (scale is 4.00 = "A"):

CIS 105 Computer Applications and Information Technology or equivalent  
ECN 211 Macroeconomic Principles or ECN 212 Microeconomic Principles  
MAT 210 Brief Calculus  
STP 226 Elements of Statistics or ECN 221 Business Statistics

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student. Applicants should contact the unit for additional information.

**Career Opportunities:**

Risk is a part of daily life and wherever there is risk, there are opportunities for actuarial intervention. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health, and to ensure organizations conform to stringent, complex legal mandates. Others help companies establish retirement plans or are employed as consultants. Students with a certificate in Analysis and Management of Insurance Risk possess skills that are transferable to any industry and any organization that requires risk modeling and management, including:

- colleges and universities
- consulting firms
- energy, such as utilities, oil and gas
- environment (on issues such as the financial impact of climate change or risk of extreme events)
- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor and Medicare (to manage social programs and to develop regulations and legislation)
- insurance companies
- retirement and pensions
- transportation, such as shipping and air travel

Students can also apply the advanced problem-solving skills learned in the Analysis and Management of Insurance Risk certificate program to a variety of other professional careers, including:

- analysts
- business operations specialists
- consultants
- teachers

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXLR 211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Applied Business Data Analytics Certificate (BABDACERT)

**Campus:** Tempe, Online

**Description:**

The certificate in applied business data analytics is for students who are interested in practical uses for computer-based tool suites that are capable of managing vast amounts of data. Students learn sophisticated but easy-to-use means of managing and analyzing such data. They leverage the tools for making good decisions about projects, process designs and fundamental tasks.

Exposure to predictive analytics and modeling, big data techniques, and visualization provides significant insight into the advanced uses of the computer-based tools. Critical thinking is an important skill and mindset that is required for establishing and evaluating evidence-based benchmarks for making good decisions leading to high-quality outcomes.

**Program Requirements:**

The certificate in applied business data analytics requires 18 credit hours and is available to all majors. At least 12 credit hours must be upper-

division.

To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or higher.

No more than six credit hours can be shared between this certificate and other business certificates and minors.

Required Courses -- 18 credit hours

CIS 105: Computer Applications and Information Technology (CS) (3)

CIS 308: Advanced Excel in Business (3)

CIS 309: Business Process Management (3)

CIS 310: Business Data Visualization (3)

CIS 405: Business Intelligence (3)

Any Statistics Course or CIS 394: Location Analytics for Business (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The applied business data analytics certificate is open to all ASU students. The certificate application is accessed and submitted through Advising SOS at <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

This certificate is available through the Pathways for the Future program: <https://pff.asu.edu/> (<https://pff.asu.edu/>). Applicants without a bachelor's degree are eligible to apply for, and receive, this certificate, through the Pathways for the Futures program. Applicants who already hold a bachelor's degree should apply to ASU and this certificate program as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/undergraduate-certificate-applied-business-data-analytics/>)

#### **Career Opportunities:**

Students can advance their career options with an undergraduate certificate. By adding this specialization as a complement to their major program of study, students will become more attractive to future employers.

Graduates with this certificate often decide to pursue employment in management, business analysis or marketing. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Business, W. P. Carey School of

Department of Information Systems

<https://wpcarey.asu.edu/undergraduate-degrees/business-analytics-certificate>

BAC 601

wpcareyis@asu.edu

480-965-3252

## **Applied Cybersecurity Certificate (ASACSCERT)**

**Campus:** Polytechnic, Tempe, West

#### **Description:**

The applied cybersecurity certificate program is designed to build competencies in security operations, risk assessment, network security, and governmental and regulatory compliance in an interdisciplinary learning setting. Building upon core skills that students bring with them from their majors, students practice dealing with cyber threats and resolving issues from multiple perspectives. This certificate is an ideal supplement for students interested in careers in cybersecurity in both the private sector and within government agencies (FBI, Homeland Security, NSA, DOD).

The program is offered through a collaboration between the New College of Interdisciplinary Arts and Science, the Ira A. Fulton Schools of Engineering and the W. P. Carey School of Business.

#### **Program Requirements:**

The certificate in applied cybersecurity consists of 15 credit hours; a minimum of 12 upper-division credit hours must be earned at ASU. Six credit hours must be unique and not count towards a student's undergraduate degree. All courses used to satisfy requirements for the certificate must be

passed with a "C" (2.00) or better. Students must select courses from more than one subject to fulfill certificate requirements. Students must take CSE 365 or IFT 202 and one course each from groups A, B or C, and D; then one course from Group E for a total of five courses or 15 credit hours. It is recommended that the Group A course be taken concurrently with CSE 365 or IFT 202. The Group B or C and D courses must be taken after successful completion of CSE 365 or IFT 202. Group A through D courses must be completed successfully before enrolling in the Group E required course.

Required Courses -- 3 credit hours

CSE 365: Information Assurance or IFT 202: Foundations of Information and Computer System Security (3)

Electives -- 12 credit hours

Group A - Security Operations and Risk Management -- 3 credit hours

ACO 461: Security Operations (3)

CIS 401: Managing Cyber Risks in Enterprise Business Processes (3)

IFT 381: Information System Security (3)

Group B - Systems and Network Security OR Group C - Forensics/Cyber Crime -- 3 credit hours

Group B - Systems and Network Security:

ACO 431: Network Security (3)

CSE 466: Computer Systems Security (3)

CSE 468: Computer Network Security (3)

IFT 458: Middleware Programming and Database Security (3)

IFT 475: Security Analysis (3)

Group C - Forensics/Cyber Crime:

CSE 469: Computer and Network Forensics (3)

FOR 350: Computer Forensics (3)

IFT 482: Network Forensics (3)

Group D - Policy -- 3 credit hours

ACO 351: Governance, Risk and Compliance (3)

CIS 402: Privacy, Ethics and Compliance Issues (3)

CSE 467: Data and Information Security (3)

IFT 483: Developing Security Policy (3)

Group E - Project -- 3 credit hours

Students may take more than one semester of the Applied Project but only three credit hours will count towards the certificate.

ACO 484: Internship or ACO 499: Individualized Instruction (3)

CIS 440: Capstone in Information Systems (L) (3)

CSE 485: Computer Science Capstone Project I (L) or CSE 486: Computer Science Capstone Project II (L) (3)

IFT 401: Information Technology Capstone Project I or IFT 402: Information Technology Capstone Project II (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

To enroll in this certificate program, students should have completed at least 45 credit hours in their declared majors and have a cumulative GPA of 2.00 or better.

Students should pay attention to the prerequisites needed for required certificate courses and make sure to complete prerequisite courses prior to enrolling in the certificate program.

CSE 365 Information Assurance has prerequisites of ACO 240, CIS 235, CIS 236, CSE 220 or CSE 240.

Prerequisites for ACO 240: ACO 102 or CSE 205, or GIS major with GIS 222, or software engineering graduate student

Prerequisites for CIS 235: CIS 105, 200 or 220; MAT 210, 211, 270 or 271

Prerequisites for CSE 220: CSE 205

Prerequisites for CSE 240: ACO 102 or CSE 205, or GIS major with GIS 222, or software engineering graduate student

IFT 202 Foundations of Information and Computer System Security has prerequisites of IFT 101, IFT 103 and IFT 166.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a



nondegree-seeking graduate student.

### **Career Opportunities:**

The certificate in applied cybersecurity provides a solid background for students interested in the following careers:

- chief information security officer
- cyber risk analyst
- information security engineer
- network security engineer
- security operations center analyst

### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/applied-cybersecurity-certificate>  
FAB N100  
MNSadvising@asu.edu  
602-543-3000

## **Applied Social Sciences Certificate (ASAPSSCERT)**

**Campus:** West

### **Description:**

The certificate program in applied social sciences prepares students to apply social science tools to practical problems. Through collaboration, students develop case studies, engage in fieldwork, and learn both how to apply expert knowledge and how to communicate evidence. Working with stakeholders, students identify and solve problems, reform managerial structures and organizational systems, and drive social change.

### **Program Requirements:**

The certificate in applied social sciences requires a minimum of 15 credit hours (at least 12 must be upper division), consisting of six core credit hours and nine credit hours of electives. Six credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of three credit hours of individualized instruction or internship may be applied toward the certificate. A maximum of six credit hours may be shared between the certificate and a New College major. Electives are not limited to the certificate elective list; students should see their academic advisor prior to enrollment. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. Only courses in which a student receives a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

Required Core Courses -- 6 credit hours

SOC 331: Environmental Sociology (SB & G) (3)

SBS 304: Social Statistics I (CS) or SBS 404: Social Statistics II: Multivariate Analysis (CS) (3)

Elective Courses (minimum six upper-division credit hours) -- 9 credit hours

Students will select nine credit hours from courses where an applied project is assigned within a specific context. Selected courses must come from at least two of the following prefixes: ASB, JHR, POS, SBS or SOC.

ASB 339 / SBS 339 / POS 339 / SOC 339: Grassroots Social Movements (SB) (3)

ASB 340 / SOC 328: Migration and Culture (SB & G) (3)

ASB 394: Special Topics or JHR 394: Special Topics or POS 394 / SBS 394 / SOC 394: Special Topics (3)

ASB 442 / SBS 460: Global Cities (SB & G) (3)

ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)

ASB 494 / JHR 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)

ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)

GCU 373: Introduction to Geographic Information Science (SG) (4)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)

POS 150: Comparative Government (SB & G) (3)

POS 350: Comparative Politics (SB & G) (3)

SOC 241: Modern Social Problems (SB) (3)

SOC 331: Environmental Sociology (SB & G) (3)

SOC 371: Inequality and Sustainability (3)

SOS 111: Sustainable Cities ((HU or SB) & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

The certificate program is recommended for students with academic or career interests in human resources, administration, journalism, social work, business, community and civic work as well as politics, organizing and advocacy, public policy, education and sustainability. Graduates may find employment in positions such as research specialist, research project manager, human resources manager or assistant, recruiter, education or social worker.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/applied-social-sciences>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Arabic Studies Certificate (LAARBCERT)

**Campus:** Tempe

**Description:**

The certificate program in Arabic studies provides students with skills that enable them to communicate effectively in Arabic in the four areas of language acquisition: listening, reading, speaking and writing.

Simultaneously, students gain broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world. The program provides critically needed educational and cultural diversity that enriches students' undergraduate experiences and prepares them for life as employees and employers.

Graduate students in the liberal arts, social sciences and humanities seeking academic or professional careers in any of the three disciplines also benefit from this certificate because of the added advantage the program gives them in the job market, given the demonstrably high need for graduates with knowledge of the Arabic language.

**Program Requirements:**

The Arabic studies certificate requires students to complete 18 credit hours of upper-division coursework. A grade of "C" (2.00 on a 4.00 scale) or better is required for each course.

Arabic Core (choose three) -- 9 credit hours

ARB 311: Advanced Arabic Skills I or ARB 411: Advanced Arabic Skills II (G) (3)

ARB 321: Arabic Conversation I or ARB 421: Arabic Conversation II (3)

ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)

ARB 335: Arabic Culture and Islam (G) (3)

ARB 341: Quran Text and Women (HU & H) or ARB 351: Classical Arabic Literature (HU & G) (3)

ARB 352: Modern Arabic Literature in Translation (HU & G) or ARB 422: Advanced Arabic Media (G) (3)

Elective Courses (choose three) -- 9 credit hours

Some courses can be used either as a core course or as an elective, but no course can be counted more than once toward certificate requirements.

ARB 321: Arabic Conversation I (3)

ARB 335: Arabic Culture and Islam (G) (3)

ARB 336: Introduction to the Qur'an (G) (3)

ARB 337: Hadith and Prophetic Tradition (HU & H & G) (3)

ARB 340: Arabic Translation (3)

ARB 341: Quran Text and Women (HU & H) (3)

ARB 351: Classical Arabic Literature (HU & G) (3)

ARB 352: Modern Arabic Literature in Translation (HU & G) (3)

ARB 360: Islamic Philosophical Literature (3)

ARB 421: Arabic Conversation II (3)  
ARB 422: Advanced Arabic Media (G) (3)  
GCU 328: Geography of Middle East and North Africa (SB & G) (3)  
HST 307: Studies in African History (H) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
REL 365: Islamic Civilization (HU & H) (3)  
REL 366: Islam in the Modern World (HU & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Any student accepted into an appropriate degree program at ASU can declare the certificate in Arabic studies. Students should contact an academic advisor in the School of International Letters and Cultures for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in Arabic Studies with their major program of study may be more marketable to employers. They often decide to pursue employment in education, political analysis, the military, tourism and hospitality or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://thecollege.asu.edu/degree/certificate/certificate-arabic-studies-cert>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Arts Entrepreneurship Certificate (HITHAECERT)

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Description:**

Arts entrepreneurship is an emerging transdisciplinary field that harnesses the skills and mindset of the entrepreneur to empower artists to create work that is meaningful, sustainable and oriented to community and market need. Students across art, dance, design, film, music and theatre disciplines benefit from the business, marketing and organizational skills offered by certificate courses as applied specifically to and within the arts.

**Program Requirements:**

The undergraduate certificate in arts entrepreneurship consists of 15 credits. A grade of "B" or better is required in HDA 252 and a grade of "C" or better is required in all other courses.

Core -- 3 credit hours

HDA 252: Foundations Arts and Design Entrepreneurship (3)

Arts Business Course (select two) -- 6 credit hours

ARA 396: Professional Practices for Design and the Arts (3)

ARA 460: Gallery Exhibitions (3)

DSC 394: Design Entrepreneurship & Society (3)

ENT 305: Principles of Entrepreneurship (3)

FMP 417: Business and Legal Practices in Entertainment (3)

HDA 420: Design and the Arts Business Administration (3)

MUP 438: The Enterprising Musician (3)

NLM 451: Grant Writing (3)

THP 351: Arts Management (3)

THP 450: Theatre Organization and Management (3)

Arts Policy, Community or Social Engaged Arts Course (select two) -- 6 credit hours

ARS 441: Public Art (3)

ART 442: Art and Community (3)

DCE 494: The Atlas of Creative Tools (3)

DSC 494: Indigenous Architecture, Planning and Construction (3)

DSC 494: Indigenous Project Delivery (3)

EDS 301: Sustainable Community Design and Practices (3)

HDA 310: Socially Engaged Practice (3)

HDA 394: Disrupt, Create, Sustain (3)

HDA 494: Civic Body: Art and Public Health (3)

HDA 494: Civ Prac: Artists&Designers Collaborating/Comm (3)

HDA 494: Civic Practice:Arts/Design & Public Partnerships (3)

HDA 494: Creative Facilitation: Collaboration, Imagination (3)

HDA 494: Creative Project Management (3)

HDA 494: The Atlas of Creative Tools (3)

MUP 439: Music Product Creation and Development (3)

NLM 410: Social Entrepreneurship (3)

THP 482: Theatre for Social Change (C) (3)

THP 494: The Atlas of Creative Tools (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate in arts entrepreneurship, meant to extend the study of an individual arts discipline, is available only to current students with a major within the Herberger Institute for Design and the Arts.

Students may be admitted to the certificate program upon completion of HDA 252 Foundations Arts and Design Entrepreneurship with a grade of "B" or better (scale is 4.00 = "A") and an overall GPA of 3.00 or higher. Students must submit an application to the Herberger Institute Office of Student Success. Herberger Institute students meeting the course and GPA requirements may enroll in the certificate, and a Herberger Institute advisor will add the certificate plan code to the student's record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<http://musicdancetheatre.asu.edu/>

CDS 101D

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-4495

## **Arts and Humanities in Games Certificate (ASAHGCERT)**

**Campus:** West

#### **Description:**

The certificate program in arts and humanities in games trains students to design, develop, create and analyze games from holistic and interdisciplinary perspectives and to understand the utilization, consumption and real world impact of games in a diverse culture and society.

The goal is to make students' minds more supple, critical in thinking and expansive, through an interdisciplinary approach that encompasses the design and development of toys and games as well as the qualitative study of them. The interdisciplinary approach helps students understand the impact of play on human mental, emotional and social growth.

This program, through foregrounding arts and humanities in the study of games, provides a complementary approach to the technically based study of games offered by the ASU Ira A. Fulton Schools of Engineering.

#### **Program Requirements:**

The certificate in arts and humanities in games consists of 18 credit hours; a minimum of 12 credit hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. All courses used to fulfill the requirements for the certificate must be passed with a "C" (2.00) or better.

The certificate consists of six credit hours of required foundational courses, and nine credit hours from one of the following game emphasis areas: Toys and Games as Works of Art (Art Game Practitioner); Toys and Game Culture (Research Scholar); Game Writing (Game Design Practitioner); or Game Sound (Game Design Practitioner); and three credit hours of playworks portfolio.

Required Foundational Courses -- 6 credit hours

IAP 220: Introduction to Game Studies (3)

IAP 222: Games and Ethics (3)

Game Emphasis Area -- 9 credit hours

Students must take two required courses and one elective from their selected emphasis area below. (9)

Toys and Games as Works of Art (Art Game Practitioner) Emphasis Area

Required:

IAP 362: Games and Narratology (3)

IAP 462: Games and Play (3)

Electives:

IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) (3)

IAP 352: Seeing and Drawing (3)

IAP 354: Visual Representation (3)

IAP 361: Digital Editing and Media Literacy (CS) (3)

Toys and Game Culture (Research Scholar) Emphasis Area

Required:

ENG 441: Introduction to Participatory Media (3)

IAP 462: Games and Play (3)

Electives:

COM 312: Communication, Conflict, and Negotiation (3)

COM 324: Rhetoric and Media Criticism (3)

COM 416: Gender and Race in the Media (3)

COM 429: Semiotics and Visual Communication (3)

ENG 449: Masculinities, Femininities and Literacies (3)

IAP 464: Media and Diversity (HU & G) (3)

Game Writing (Game Design Practitioner) Emphasis Area

Required:

IAP 362: Games and Narratology (3)

FMS 394: Video Games and Narrative or IAP 494: Scriptwriting for Games (3)

Electives:

ENG 379: Travel Writing (L) (3)

ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)

IAP 462: Games and Play (3)

Game Sound (Game Design Practitioner) Emphasis Area

Required:

IAP 362: Games and Narratology (3)

IAP 421: Composition: Process, Technique, and Style II or IAP 469: Advanced Audio Production (3)

Electives:

IAP 322: Multitrack Digital Recording (3)

IAP 325: Sound Performance: Exploring Alternative Performance Groups (3)

Portfolio -- 3 credit hours

IAP 496: Playworks Portfolio (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a

nondegree-seeking graduate student.

**Career Opportunities:**

The certificate in art and humanities in games is appropriate for students seeking employment as video game designers, software applications developers, computer programmers, multimedia artists and animators and digital media specialist.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/arts-and-humanities-in-games>  
FAB N100  
HARCSadvising@asu.edu  
602-543-3000

## Arts in Education Certificate (HIAEDCERT)

**Campus:** Tempe

**Description:**

The certificate program in arts in education is specifically designed for prospective preK-8 educators who wish to enhance their teaching practices by developing the necessary skills to use the arts throughout the curriculum.

By weaving the principles and practices of the arts and other disciplinary curricula together, teachers can create rich and engaging environments that enhance student learning by capitalizing on the critical thinking, communication, collaboration and creativity inherent in the arts and arts experiences.

**Program Requirements:**

The certificate in arts in education requires 18 credit hours (including 12 credit hours of upper division). All upper-division courses must be completed with a minimum grade of "C" (2.00).

Arts Education Lower-Division Core -- 6 credit hours

- ARA 195: Art in My World (HU) (3)
- ART 110: Drawing as Seeing and Thinking (HU) (3)
- FMP 222: Education in Film (L) (3)
- MUS 210: The Arts Around Us (HU) (3)
- MUS 211: Dance, Music and Meaning (HU) (3)
- MUS 212: Music, Meaning and Imagination (HU) (3)
- MUS 213: Critical Thinking in the Arts (HU) (3)
- MUS 214: Art, Music and Learning (HU) (3)
- THP 212: Puppetry with Children (3)

Arts Education Upper-Division Core -- 9 credit hours

- ARA 311: Art Appreciation and Human Development (HU) (3)
- ARE 301: Studio Art and Human Development (3)
- ARE 494: Special Topics (3)
- DCE 350: Dance in the Classroom: Learning Through Movement (HU) (3)
- MUE 310: Music in Early Childhood (HU) (3)
- MUE 311: Music in the Lives of Children and Youth (HU) (3)
- THP 311: Creative Drama with Youth (L) (3)

Arts Elective Course -- 3 credit hours

Some courses are fewer than three hours and may be repeated for credit.

- ARS 300: Introduction to Art (HU) (3)
- DCE 300: Dancing Histories (HU) (3)
- DCE 301: Dance Analysis and Theory (L or HU) (3)
- DCE 303: The Body Condition(ed) (SB) (3)
- DCE 402: Ethnography of Dance Practices (L) (3)
- DCE 404: Dance and Ethics (L) (3)
- DCE 405: Writing the Creating Body (L or HU) (3)
- MUP 442: Instrumental Ensembles (1-2)
- MUP 443: Choral Ensembles (1-2)

MUP 444: Concert Winds (1-2)  
MUP 450: Choral Union (1-2)  
MUP 455: Arizona Statesmen (1-2)  
MUP 457: Sol Singers (1)  
MUP 459: Barrett Choir (1-2)  
MUP 489: Ethnomusicology Ensembles (1)  
MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)  
MUS 347: Jazz in America (HU & C) (3)  
MUS 354: Jazz Giants (HU) (3)  
MUS 355: American Music (HU & C & H) (3)  
MUS 356: Broadway and the American Musical (HU) (3)  
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)  
MUS 494: Special Topics (1-4)  
THE 322: Theatre History and Culture (HU & H) (3)  
THP 411: Methods of Teaching Drama (3)  
THP 482: Theatre for Social Change (C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

This certificate will add richness and depth that is applicable to multiple careers including:

- community engagement
- dementia care
- education and teaching
- nursing
- recreation

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu>  
CDS 101  
HerbergerAdmissions@asu.edu  
480-965-4495

## **Asian Pacific American Studies Certificate (LAAPACERT)**

**Campus:** Tempe

#### **Description:**

Asian Pacific American studies educates students in social justice, the global causes and impacts of Asian and Pacific Islander migration, relational and comparative racial formations, and ethnic studies movements that have made and continue to make a difference in society for all people.

Topics include diaspora, globalization, U.S imperialism and settler colonialism, social networks, immigration, interracial and interethnic relations, and health and well-being of Asian Pacific American families and communities. The certificate program provides students with the opportunity to work with a dedicated faculty committed to community-engaged research and student-centered learning.

The Asian Pacific American studies program is housed in ASU's interdisciplinary School of Social Transformation, the only school of its kind in the United States.

#### **Program Requirements:**

The certificate consists of 18 credit hours, of which at least 12 must be completed at the upper-division level. Nine credit hours of core coursework are required and the remaining nine credit hours are selected from any of the courses with an APA subject. At least nine credit hours must be taken

in residency at ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Core Courses -- 9 credit hours

APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C) (3)

APA 360: Asian Pacific American Experience ((HU or SB) & C) (3)

APA 484: Internship (3)

\*One APA 360 course is required for the core. The course may be repeated for credit with these different topics: Chinese American; Filipino American; Japanese American; Multiracial Experiences; Pacific Islander.

Electives -- 9 credit hours

APA Elective (3)

APA Upper Division Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Career Opportunities:**

Graduates who have combined the certificate in Asian Pacific American with their major program of study may be more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work.

Advanced degrees or certifications may be required for academic or clinical positions.

### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Social Transformation

<https://sst.asu.edu/degree/certificate/certificate-asian-pacific-am-stds-cert>

NVS1 310AA

SSTadvising@asu.edu

480-965-7682

## **Asian Studies Certificate (LAASNCERT)**

**Campus:** Tempe

### **Description:**

The Asian studies certificate supplements a bachelor's degree, providing students with knowledge of an Asian language as well as general knowledge of Asian history, art, culture and society. Graduates possess official transcript recognition of specialization in Asian studies.

### **Program Requirements:**

The certificate requires 24 credit hours of approved coursework, in addition to proficiency in an Asian language. Fifteen credit hours of upper-division area studies coursework must be chosen from at least four different disciplines, e.g., language and cultures, history, religious studies, anthropology, geography, political science, global studies, art and music. Courses from other disciplines may be used by approval. The remaining nine credit hours may be chosen in any combination.

At least six upper-division hours in the certificate must be in courses offered by The College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course that is used to fulfill the certificate requirements.

### **Language Requirement**

Students must demonstrate proficiency in an Asian language by completing the 201 and 202 course sequence, one year of study abroad at the intermediate level or satisfactory performance on a proficiency exam. Asian languages include Chinese, Hindi, Indonesian, Japanese, Korean, Thai, and Vietnamese.

Disciplinary Electives -- 24 credit hours

Upper Division Disciplinary Electives (15)

At least four different disciplines must be represented within the upper-division disciplinary electives (e.g., history, religious studies, global studies, anthropology). Crosslisted courses will only apply to the certificate under one discipline; students may choose the discipline that is most



advantageous.

#### Disciplinary Electives (9)

Students select the remaining disciplinary electives from the lists below in any combination.

#### Anthropology

ASB 325: Peoples of Southeast Asia (G) (3)

#### Art History

ARS 201: Art of Asia (HU & H & G) (3)

ARS 444: Films of India (3)

ARS 472: Art of China (HU) (3)

ARS 473: Art of Japan (HU) (3)

ARS 475: Chinese Painting (HU) (3)

#### Cultural Geography

GCU 240: Introduction to Southeast Asia ((HU or SB) & G) (3)

GCU 326: Geography of Asia (SB & G) (3)

GCU 432: Geography of China (SB & G) (3)

GCU 433: Geography of Southeast Asia (3)

#### Dance

DCE 114: Dances of India I (2)

#### Film and Media Studies

FMS 426: Films of India (3)

#### Global Studies

SGS 240: Introduction to Southeast Asia ((HU or SB) & G) (3)

SGS 245: Introduction to India and South Asia (HU & H & G) (3)

SGS 381: Modern Southeast Asia (SB & G & H) (3)

#### History

HST 106: Asian Civilizations ((HU or SB) & G & H) (3)

HST 108: Introduction to Japan (SB & G & H) (3)

HST 111: Introduction to Asia (HU & H & G) (3)

HST 240: Introduction to Southeast Asia ((HU or SB) & G) (3)

HST 245: Introduction to India and South Asia (HU & H & G) (3)

HST 302: Envisioning Peace (3)

HST 302: Women, War and Peace (3)

HST 303: Studies in Asian History (3)

HST 336: Islamic Civilization (HU & H) (3)

HST 339: Islam in the Modern World (HU & G) (3)

HST 383: China (SB & H) (3)

HST 384: Modern China: 1700 to the Present (SB & G & H) (3)

HST 385: History of Chinese Medicine (HU & H & G) (3)

HST 386: Interpreting China's Classics ((L or HU) & H) (3)

HST 387: Japan ((L or SB) & H) (3)

HST 388: Japan (SB & G & H) (3)

HST 389: Japan Society and Values/Premod (3)

HST 391: Modern Southeast Asia (SB & G & H) (3)

HST 392: Modern India (3)

HST 451: Chinese Cultural History I ((HU or SB) & H) (3)

HST 452: Chinese Cultural History II (SB & G & H) (3)

HST 456: The Vietnam War (SB & G & H) (3)

HST 459: Gandhi and the Politics of Nonviolence (3)

#### Language and Cultures

CHI 120 / SLC 120: Introduction to Chinese Culture (L or HU) (3)

CHI 205: Chinese Calligraphy (1)

CHI 307: Introduction to Literary Chinese I (HU) (3)

CHI 308: Introduction to Literary Chinese II (HU) (3)

CHI 321: Chinese Literature (HU) (3)

CHI 322: Chinese Literature (HU & G) (3)

CHI 333 / SLC 333: China (SB & H) (3)  
 CHI 336 / SLC 336: Interpreting China's Classics ((L or HU) & H) (3)  
 CHI 338: The Daoist Bible: The Daode jing (L or HU) (3)  
 CHI 343: Daoism ((L or HU) & G & H) (3)  
 CHI 345: Chinese Film and Civilization (3)  
 CHI 346: Chinese Religions (3)  
 CHI 348: Pathways into Chinese Culture (3)  
 CHI 451 / SLC 451: Chinese Cultural History I ((HU or SB) & H) (3)  
 CHI 452 / SLC 452: Chinese Cultural History II (SB & G & H) (3)  
 CHI 470: Modern Chinese Literature and Culture (3)  
 JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G) (3)  
 JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G) (3)  
 JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G) (3)  
 JPN 333: Japanese Civilization from the Ice Age to Last Thursday (3)  
 JPN 401: Reading Modern Japanese Texts I ((L or HU) & G) (3)  
 JPN 414: Introduction to Classical Japanese (3)  
 JPN 415: Advanced Classical Japanese (3)  
 JPN 445: Readings in Modern Japanese Letters and Culture (3)  
 JPN 485: Japanese Literature and the Art of Translation (3)  
 KOR 250: Korean Culture and Society (HU & G) (3)  
 KOR 321 / SLC 321: Modern Korean Literature (HU) (3)  
 KOR 347: Korean Film and Literature (HU) (3)  
 KOR 350: Women of Korea (H) (3)  
 KOR 354: Religions of Korea (HU) (3)  
 KOR 375 / SLC 375: Intercultural Communication in Korea (3)  
 KOR 415 / SLC 415: Korean Popular Culture (HU & G) (3)  
 KOR 457 / SLC 457: Premodern Korea in a Global Context (HU) (3)  
 SLC 245: Introduction to India and South Asia (HU & H & G) (3)  
 SLC 334: Modern China: 1700 to the Present (SB & G & H) (3)  
 VTN 321: Advanced Vietnamese and Literature I (HU & G) (3)  
 VTN 322: Advanced Vietnamese and Literature II (HU & G) (3)

#### Music

MUP 489: Gamelan (1)

#### Political Science

POS 240: Introduction to Southeast Asia ((HU or SB) & G) (3)  
 POS 245: Introduction to India and South Asia (HU & H & G) (3)  
 POS 357: South Asia Politics (SB & G) (3)  
 POS 358: Southeast Asia (SB & G) (3)  
 POS 452: China (SB & G) (3)  
 POS 468: Comparative Asian Foreign Policies (SB & G) (3)

#### Religious Studies

REL 111: Introduction to Asia (HU & H & G) (3)  
 REL 240: Introduction to Southeast Asia ((HU or SB) & G) (3)  
 REL 245: Introduction to India and South Asia (HU & H & G) (3)  
 REL 338: The Daoist Bible: The Daode jing (L or HU) (3)  
 REL 343: Daoism ((L or HU) & G & H) (3)  
 REL 344: Religion and Values in Japanese Life (HU & G) (3)  
 REL 345: Asian Religious Traditions (HU & G) (3)  
 REL 346: Chinese Religions (3)  
 REL 347: Religions of India: Peace and Conflict ((L or HU) & G) (3)  
 REL 348: Religion and Culture in Southeast Asia (3)  
 REL 350: Hinduism ((L or HU) & G) (3)  
 REL 351: Buddhism ((L or HU) & G) (3)  
 REL 352: Modern Buddhism (3)  
 REL 354: Religions of Korea (HU) (3)  
 REL 355: Japanese Cities and Cultures to 1800 (HU) (3)  
 REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G) (3)  
 REL 364: Islam in Eurasia and Central Asia (3)  
 REL 365: Islamic Civilization (HU & H) (3)  
 REL 366: Islam in the Modern World (HU & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: None

Incompatible Majors: BA in Asia studies (East Asia); BA in Asia studies (South Asia); BA in Asia studies (Southeast Asia)

Other Admission Requirements: None

There are no specific admission requirements other than a student's desire to learn about Asia. To add the certificate, students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/LAASNCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LAASNCERT/Gedt.pdf>).

**Career Opportunities:**

Graduates who have combined the certificate in Asian studies with their major program of study may be more marketable to employers. They often decide to pursue employment in teaching, journalism, global finance and banking, international law and global public health. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/certificate/certificate-asian-studies-certificate>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Atmospheric Sciences Certificate (LAATMSCERT)

**Campus:** Tempe

**Description:**

Students in the atmospheric sciences certificate program gain a focused understanding of weather, climate and the various related methods of measurement and instrumentation. The coursework is designed to give students the knowledge and skill set necessary for approaching meteorological-related programs through the lens of their primary field of study.

The curriculum of the certificate program is also associated with the requirements for certification as a meteorologist by the National Weather Service. Through completion of both the atmospheric sciences certificate and the BS program in geography with a concentration in meteorology-climatology, students acquire the skills in GIS and meteorological instrumentation required for national-level certification with the National Weather Service.

**Program Requirements:**

The certificate requires 21 credit hours with a "C" (2.00 on a 4.00 scale) or higher. At least 12 of the 21 credit hours must be upper-division coursework.

Required Courses -- 18 credit hours

GPH 212: Introduction to Meteorology (SQ) (3)

GPH 213: Climate and Weather (SG) (3)

GPH 412: Physical Meteorology (3)

GPH 413: Meteorological Instruments and Measurement (3)

GPH 414: Climate Change (G) (3)

MAT 275: Modern Differential Equations (MA) (3)

Upper-Division Elective -- 3 credit hours

GIS 311: Geographic Information Science III (CS) (4)  
GIS 341: Cartography and Georepresentation (CS) (3)  
GIS 351: Air Photo Interpretation (3)  
GPH 314: Global Change (HU & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Applicants must have completed GPH 111 Introduction to Physical Geography, MAT 271 Calculus with Analytic Geometry II, and PHY 121 University Physics I: Mechanics with a grade of "C" or better (scale is 4.00 = "A").

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

A certificate in atmospheric sciences is a valuable addition to a degree for students looking for a career where understanding weather systems could be beneficial, including career fields related to sustainability, resource management and more. When combined with a BS in geography with a concentration in meteorology-climatology, students earning the certificate in atmospheric sciences are prepared for careers as meteorologists, such as those with the National Weather Service, broadcast meteorologists, or to continue on their studies for an advanced degree.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/atmospheric-sciences>  
COOR 5681  
SGSUP.advising@asu.edu  
480-965-7533

## Biomedical Research Certificate (ASBMRCERT)

**Campus:** West

**Description:**

The biomedical research certificate program combines authentic research experience conducted in laboratories of practicing academic scientists with upper-division coursework, including laboratory courses, that allow for specialization in given subject areas.

Students gain competency in addressing scientific questions in the laboratory. The certificate prepares them to be highly competitive for careers in the research sector or to pursue graduate and professional schools, such as medical school.

The program is offered by the New College of Interdisciplinary Arts and Sciences.

**Program Requirements:**

The certificate in biomedical research requires a minimum of 15 credit hours (at least 12 must be upper division). Twelve credit hours must be taken at ASU. Nine credit hours must be counted toward the certificate alone and may not be shared with a student's major requirements. Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet certificate requirements.

Core Requirement -- 3 credit hours

STP 280: Probability and Statistics for Researchers (CS) (3)

Upper-Division Elective Requirements -- 8 credit hours

Complete at least two of the lecture/lab combinations below.

BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory (4)

BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory (4)

BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory (4)

BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory (4)

MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory (4)

Other Certificate Requirements (choose one option below) -- 4 credit hours

#### Option A -- 4 credit hours

If choosing Option A, complete three credit hours of STEM Research Fundamentals (any subject area) and one credit hour of Individualized Instruction or Supervised Research (any subject area).

ENV 388: STEM Research Fundamentals (L) AND ENV 499: Individualized Instruction (4)

FOR 388: STEM Research Fundamentals (L) AND FOR 499: Individualized Instruction (4)

LSC 388: STEM Research Fundamentals (L) AND LSC 499: Individualized Instruction (4)

PLB 388: STEM Research Fundamentals (L) AND PLB 499: Individualized Instruction (4)

PTX 388: STEM Research Fundamentals (L) AND PTX 499: Individualized Instruction (4)

#### Option B -- 4 credit hours

If choosing Option B, take two credit hours of Individualized Instruction or Supervised Research (any subject area) in each of two consecutive semesters.

ACO 399: Supervised Research or ACO 499: Individualized Instruction (4)

ENV 499: Individualized Instruction (4)

FOR 499: Individualized Instruction (4)

LSC 499: Individualized Instruction (4)

MAT 499: Individualized Instruction (4)

PLB 499: Individualized Instruction (4)

PTX 499: Individualized Instruction (4)

STP 499: Individualized Instruction (4)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

This certificate requires a cumulative GPA of 3.00 in ASU coursework and upper-division standing or graduate student status.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Career Opportunities:

Students who complete the biomedical research certificate are well prepared for graduate school in the sciences, as well as careers such as laboratory researcher/technician, pharmacist, medical scientist, molecular and cellular biologist.

#### Contact Information:

Interdisciplinary Arts and Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biomedical-research>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Biomimicry Certificate (SUBMYCERT)

**Campus:** Tempe

#### Description:

The undergraduate biomimicry certificate is an 18 credit hour interdisciplinary opportunity for students from a variety of backgrounds and any major. The biomimicry undergraduate certificate is designed to address the growing interest in biomimicry knowledge and training.

The knowledge, competencies, and skills students have upon completion of this certificate include the ability to:

- Integrate biomimicry thinking into a discipline-specific opportunity resulting in biomimetic outcomes.
- Apply life's principles to specific needs within one's discipline.
- Facilitate the integration of biology into design within one's discipline using biomimicry thinking.
- Guide processes in one's discipline towards sustainability from a biomimetic perspective.
- Interpret observations in nature with a functional lens for design applications.

The biomimicry certificate consists of four core classes, one elective course within the student's discipline, and a practicum capstone course offered

through either the student's discipline or BMY 430 Biomimicry Practicum.

**Program Requirements:**

Students must earn a grade of "B" or better in all biomimicry certificate courses.

Core Courses -- 12 credit hours

BMY 230 / BIO 230: How Nature Works (3)

BMY 302: Principles of Life (3)

BMY 304: The Practice of Biomimicry (3)

SOS 110: Sustainable World (SB) (3)

Elective -- 3 credit hours

Upper Division Elective course that is biomimicry-related and ideally makes a connection between the student's major and the certificate (3)

Capstone -- 3 credit hours

BMY 430: Biomimicry Practicum (3)

Notes: Students may take a biomimicry-focused capstone in their corresponding major upon approval from the School of Sustainability and The Biomimicry Center.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students must have a GPA of 3.00 in order to add the undergraduate certificate in biomimicry.

Students wishing to declare a certificate in biomimicry should make an appointment with a College of Global Futures advisor. Advising is by appointment only, and students must schedule an advising appointment through the College of Global Futures advising website:

<https://collegeofglobalfutures.asu.edu/advising> (<https://collegeofglobalfutures.asu.edu/advising>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue the graduate certificate in biomimicry.

**Career Opportunities:**

Completing a biomimicry certificate can help students bring about positive change. The unique knowledge and skills gained enhance a student's bachelor's degree and career prospects, helping students stand out in a sea of job applicants. The certificate can complement any career path, whether it's in business, technology, science, education or government.

**Contact Information:**

Global Futures, College of  
School of Complex Adaptive Systems  
<http://biomimicry.asu.edu>  
WGHL 108  
[cgfadvising@asu.edu](mailto:cgfadvising@asu.edu)  
480-727-6963

## Brazilian Studies Certificate (LABZSCERT)

**Campus:** Tempe

**Description:**

The certificate program in Brazilian studies encourages students to create a plan of study focusing on current sociocultural influences that will allow them to compete more successfully in the global job market.

Students pursue coursework in important areas, including complementary courses in specific issues in Brazilian culture, the examination of major themes in Brazilian popular and urban culture with particular emphasis on Afro-Brazilian society, a grounding in the major texts of Brazilian literature and proficiency in the Portuguese language at the intermediate level.

**Program Requirements:**

The Brazilian Studies Certificate requires 18-20 credit hours of Portuguese language and elective culture content coursework, of which 12 credit hours must be upper-division. A grade of "C" (2.00 on a 4.00 scale) or better is required in all coursework. Students choose one two-course language sequence for a total of 6-8 credit hours of Portuguese language. Course substitutions may be permitted for heritage speakers of Portuguese based on their proficiency level as determined by a Portuguese placement test. The language course substitution for advanced speakers of Spanish language can be satisfied by the two-course POR 320 and POR 321 sequence.

#### Portuguese Language -- 6 credit hours

Choose one two-course sequence for 6-8 credit hours. The upper-division two-course language sequence is 6 credit hours total.

POR 101: Elementary Portuguese I (G) AND POR 102: Elementary Portuguese II (G) (8)

POR 201: Intermediate Portuguese I (G) AND POR 202: Intermediate Portuguese II (G) (8)

POR 313: Portuguese Conversation and Culture (G) AND POR 314: Portuguese Composition and Culture (G) (6)

Notes: POR 313 and POR 314 may be applied to either Portuguese Language or to Upper-Division Electives but may not be applied and counted in both categories for this certificate.

POR 320: Portuguese for Spanish Speakers I AND POR 321: Portuguese for Spanish Speakers II (6)

#### Upper-Division Electives -- 12 credit hours

GCU 323: Geography of Latin America (SB & G) (3)

GCU 485 / PUP 485: International Field Studies (G) (3)

POR 313: Portuguese Conversation and Culture (G) (3)

POR 314: Portuguese Composition and Culture (G) (3)

POR 394: Special Topics (3)

POR 472: Luso-Brazilian Civilization (HU & G) (3)

POR 484: Internship (3)

POR 493: Honors Thesis (L) (3)

POR 494: Special Topics (3)

POR 499: Individualized Instruction (3)

\*Other courses may be used with approval from the faculty coordinator and academic advisor in the School of International Letters and Cultures.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Career Opportunities:

Students can advance their career options with an undergraduate certificate. The certificate in Brazilian studies helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate along with their major often decide to pursue employment in education, political analysis, the military, tourism and hospitality or marketing.

#### Contact Information:

Liberal Arts and Sciences, The College of

School of International Letters and Cultures

<https://silc.asu.edu/degrees/undergrad/minor-certs>

LL 440

[silcadvising@asu.edu](mailto:silcadvising@asu.edu)

480-965-6281

## Civic Education Certificate (LACVECERT)

**Campus:** Tempe

#### Description:

The civic education certificate program helps prepare undergraduate students for careers in primary and secondary education where the teaching of government and civics may be involved. The program is also preparation for careers or participation in politics, public service, civic and social movements and for further education in law, journalism, business, history, sociology, political science, public administration, social work and other fields where an understanding of questions of citizenship, leadership, community, democracy, public responsibility and ethics is crucial.

**Program Requirements:**

The certificate in civic education is comprised of 15 credit hours in political science. At least 12 credit hours must be upper-division. A minimum of six upper-division credit hours must be taken in courses offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Theoretical Foundations -- 6 credit hours

POS 210: Political Ideologies (SB) (3)

POS 442: American Political Thought (HU) (3)

Topics in Political Theory (choose one course) -- 3 credit hours

POS 340: History of Political Philosophy I (HU & H) (3)

POS 341: History of Political Philosophy II (HU & H) (3)

POS 346: Problems of Democracy (HU) (3)

POS 443: Topics in Contemporary Political Theory (HU) (3)

POS 475: Morality and Politics (3)

Civics in Action (choose two courses) -- 6 credit hours

POS 313: The Congress (SB) (3)

POS 314: The American Presidency (SB) (3)

POS 315: The Supreme Court (SB) (3)

POS 325: Public Policy Development (SB) (3)

POS 332: American Political Parties (SB) (3)

POS 333: Interest Groups (SB) (3)

POS 348: Do You Want to Build a Nation? (L) (3)

POS 370: Law and Society (SB) (3)

POS 410: Governing American Cities (SB) (3)

POS 417: Arizona Politics (SB) (3)

POS 435: Women and Politics (SB & C) (3)

POS 439: Minority Group Politics in America (SB & C) (3)

POS 470: Law and the Political Order (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students should contact the School of Politics and Global Studies for more information about completing the civic education certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in civic education with their major program of study may become more marketable to employers. They often decide to pursue employment in K-12 teaching (especially social studies), journalism, government or nonprofit organizations.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Politics and Global Studies

<https://spgs.asu.edu/>

COOR 6797

[spgs-ugadvising@asu.edu](mailto:spgs-ugadvising@asu.edu)

480-965-8563

**Civil Communication Certificate (LACCOMCERT)**

**Campus:** Tempe

**Description:**



The Hugh Downs School of Human Communication certificate program in civil communication provides students specific training in dialogue-based methods of civility, the application of critical civil communication skills in public spheres, and civil and productive modes of argumentation.

This specialization provides students with the ability to recognize and competently practice and facilitate the ever-increasing demand for civil discourse in society and workplace organizations. The foundational courses offer the opportunity for transdisciplinary collaboration and community engagement.

**Program Requirements:**

The certificate requires 18 credit hours. Nine of the 18 credit hours must be ASU resident credit courses, including six upper-division credit hours offered by The College of Liberal Arts and Sciences. 12 credit hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours

COM 222: Argumentation (L) (3)

COM 225: Public Speaking (L) (3)

COM 327: Civil Communication (3)

Elective Courses (select three) -- 9 credit hours

COM 312: Communication, Conflict, and Negotiation (3)

COM 319: Persuasion and Social Influence (SB) (3)

COM 321: Rhetorical Theory and Research ((L or HU) & H) (3)

COM 325: Advanced Public Speaking and Presentations (L) (3)

COM 341: Social Contexts for Performance (3)

COM 421: Rhetoric of Social Issues (HU) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students should contact the Hugh Downs School of Human Communication for additional information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in civil communication with their major program of study may be more marketable to employers. They often decide to pursue employment in social services, public policy or workplace organization.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Hugh Downs School of Human Communication

<https://humancommunication.asu.edu/>

STAUF A412

communication@asu.edu

480-965-5095

## Classical Studies Certificate (LACLG CERT)

**Campus:** Tempe

**Description:**

The classical studies program offers students a wide variety of opportunities to study the language, literature and culture of the ancient Greeks and Romans. The School of International Letters and Cultures offers a certificate in classical studies for those students interested in pursuing a classical education in conjunction with another major or as part of their general studies.

**Program Requirements:**

The certificate in classical studies requires a minimum of 18 credit hours. At least 12 credit hours must be at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

#### Language Requirement -- 6 credit hours

Students must complete two semesters of language courses in either Ancient Greek or Latin. (6-8)

Credit hours taken for the language requirement that exceed the required eight credit hours will be applied to ASU's 120 credit hour minimum.

ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.

#### Ancient Greek

Students who choose Greek must take a minimum of two semesters of language courses from the following list. The ASU Language Placement test determines what class students start with.

GRK 101: Elementary Ancient Greek (4)

GRK 201: Intermediate Ancient Greek (4)

GRK 301: Ancient Greek Literature I (HU) (3)

GRK 302: Ancient Greek Literature II (HU) (3)

Notes: GRK 302 can be taken twice if needed to reach two semesters of credit. It may also be repeated to count toward the Classical Studies Electives Requirement.

#### Latin

Students who choose Latin must take a minimum of two semesters of language courses from the following list. The ASU Language Placement test determines what class students start with.

LAT 101: Elementary Latin (4)

LAT 102: Elementary Latin (4)

LAT 201: Intermediate Latin I (HU) (4)

LAT 202: Intermediate Latin II (HU) (4)

LAT 421: Roman Literature (HU) (3)

Notes: LAT 421 can be taken twice if needed to reach two semesters of credit. It may also be repeated to count toward the Classical Studies Electives Requirement.

#### Classical Studies Electives (choose four) -- 12 credit hours

SLC 344 / LAT 344 / GRK 344: Classics and Comics (HU) (3)

SLC 351 / GRK 351: Tales of Troy (3)

SLC 352 / GRK 352: The Rise and Fall of Ancient Athens (3)

SLC 353 / GRK 353: Alexander and His Empires (3)

SLC 360 / LAT 360 / GRK 360 / HST 397: Greece and Rome at War (3)

SLC 361 / LAT 361 / REL 361: Roman Religion (HU) (3)

SLC 362 / GRK 362 / REL 360: Ancient Greek Religion (3)

SLC 394 / LAT 394: Augustus and the Creation of the Roman Empire (3)

SLC 394 / LAT 394 / GRK 394: Magic and Witchcraft in Antiquity (3)

SLC 394 / LAT 394: Rome Before the Empire (3)

SLC 444 / LAT 444 / GRK 444: Heroes, Ancient and Modern (L or HU) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

Students interested in the classical studies certificate program must contact the coordinator of the certificate before being accepted into the program. Students should contact an academic advisor at the School of International Letters and Cultures for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Career Opportunities:

Graduates who have combined the certificate in classical studies with their major program of study may become more marketable to employers. They often decide to pursue employment in education, arts and humanities, tourism and hospitality or marketing.

#### Contact Information:

Liberal Arts and Sciences, The College of

School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Communication Sciences and Disorders Certificate (NHCSDCERT)

**Campus:** Tempe

**Description:**

The postbaccalaureate certificate in communication sciences and disorders is for students who have already received a bachelor's degree in another discipline but wish to pursue a master's degree in speech-language pathology or communication disorders.

The coursework provides students with the prerequisite background and knowledge necessary to perform at the master's degree level in the field.

Completion of the postbaccalaureate certificate does not guarantee admission to ASU's graduate program, but it enables students to meet the American Speech Language and Hearing Association requirements to enter master's degree programs in speech-language pathology or communication disorders.

**Program Requirements:**

There are 27 required credit hours in the certificate in communication sciences and disorders. A "C" minimum is required for all courses in the certificate, although students must maintain a 3.00 GPA in the certificate program.

Required Courses -- 27 credit hours

SHS 250: Introduction to Phonetics (3)

SHS 310: Anatomical and Physiological Bases of Speech (3)

SHS 311: Hearing Science (3)

SHS 367: Language Science (SB) (3)

SHS 375: Speech Science (3)

SHS 401: Principles of Audiology (3)

SHS 402: Clinical Methods and Treatment of Communication Disorders (3)

SHS 496: Aural Rehabilitation (3)

SHS 565: Speech and Language Acquisition (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Prospective students must have earned a bachelor's degree in a field outside of speech and hearing science with a minimum GPA of 3.00 (scale is 4.00 = "A").

Students interested in this certificate should apply for university admission as nondegree-seeking graduate students and submit a supplemental application to the program.

More information is available at <https://chs.asu.edu/programs/communication-sciences-and-disorders> (<https://chs.asu.edu/programs/communication-sciences-and-disorders>).

**Contact Information:**

Health Solutions, College of  
College of Health Solutions

<https://chs.asu.edu/programs/communication-sciences-and-disorders>

HLTHN 401AA

chs@asu.edu

480-965-2374

## Communication Training and Assessment Certificate (ASCTACERT)

**Campus:** West

**Description:**

The certificate program in communication training and assessment teaches students how to assess, train, and develop communications skills in business, professional, and community settings.

Access to the award-winning, state-of-the-art communication assessment lab at ASU's West campus facilitates skill development in communication training, presentation skills, professional development, and assessment practices.

The combination of relevant coursework and hands-on experience developed through CommLabASU provides students with the knowledge and expertise necessary to train others in a variety of professional and community settings.

### **Program Requirements:**

The certificate in communication training and assessment requires a minimum of 18 credit hours (at least 12 credit hours must be upper division). The certificate consists of 12 credit hours of core requirements and six credit hours of electives. At least nine credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and a major. Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

#### Core Requirements -- 12 credit hours

COM 225: Public Speaking (L) or COM 325: Advanced Public Speaking and Presentations (L) or COM 342: Oral History and Storytelling (3)

COM 383: Communication and Mentoring or COM 483: Advanced Communication and Mentoring (3)

COM 453: Communication Training and Development (3)

COM 482: Communication, Instruction and Training (3)

#### Elective Requirements -- 6 credit hours

COM 230: Small Group Communication (SB) (3)

COM 259: Communication in Business and the Professions (3)

COM 312: Communication, Conflict, and Negotiation (3)

COM 319: Persuasion and Social Influence (SB) (3)

COM 353: Professional Communication (3)

COM 415: Risk Communication (3)

COM 430: Leadership in Group Communication (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Career Opportunities:**

The certificate in communication training and assessment provides a solid background for positions such as:

- advertising and promotions managers
- human relations managers
- marketing associates
- marketing managers
- mediators
- public relations specialists
- public relations and fundraising managers
- sales managers
- training and development managers

### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences

<https://newcollege.asu.edu/communication-training-assessment>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

## Community-Engaged Practices in Design and the Arts Certificate (HISEPCERT)

**Campus:** Tempe

This program's name has changed effective Fall 2021. The previous name was Socially Engaged Practice in Design and the Arts.

### **Description:**

This hands-on program places designers, artists, scholars and educators in public life and enables them to use their creative capacities to advance culture, strengthen democracy, and imaginatively address today's most pressing challenges.

This is an integrated community-engaged design and arts certificate program serving all Herberger Institute students, faculty and staff as well as the larger ASU community. Participants engage in direct and ethical partnership and collaboration with communities and with civic and industry partners, enabling them to learn and practice programming that activates partner goals and facilitates experiential learning and creation.

### **Program Requirements:**

The certificate in socially engaged practice in design and the arts requires 15 credit hours; including nine hours of upper-division coursework. All courses must be completed with a minimum grade of "C" (2.00) or better. An overall 3.00 GPA is required for this certificate.

Core -- 3 credit hours

HDA 210: Creativity and Innovation in Design and the Arts (3)

Community Engagement -- 3 credit hours

ARS 441: Public Art (3)

ART 442: Art and Community (3)

DCE 494: The Atlas of Creative Tools (3)

DSC 494: Indigenous Architecture, Planning and Construction (3)

DSC 494: Indigenous Project Delivery (3)

EDS 301: Sustainable Community Design and Practices (3)

HDA 310: Socially Engaged Practice (3)

HDA 394: Design & Arts Corps (1-3)

HDA 394: Disrupt, Create, Sustain (3)

HDA 494: Civic Body: Art and Public Health (3)

HDA 494: Civ Prac: Artists&Designers Collaborating/Comm (3)

HDA 494: Civic Practice:Arts/Design & Public Partnerships (3)

HDA 494: The Atlas of Creative Tools (3)

HDA 494: Creative Facilitation: Collaboration, Imagination (3)

HDA 494: Creative Project Management (3)

HDA 494: Design & Arts Corps (1-3)

NLM 410: Social Entrepreneurship (3)

THP 482: Theatre for Social Change (C) (3)

THP 494: The Atlas of Creative Tools (3)

Fieldwork / Internship -- 3 credit hours

HDA 410: Design and the Arts Corps Seminar (3)

HDA 410 may be satisfied with other Capstone or Internship Experiences as approved by the program faculty coordinator.

Electives (at least 3 credits must be upper division) -- 6 credit hours

AME 310: Media Literacies and Composition (3)

AME 340: Compositional and Computational Principles for Media Arts (3)

AME 411: Advanced Interactive Sound (3)

AME 444: Media Installations (3)

AME 494: Animating Virtual Worlds (3)

ARS 441: Public Art (3)

ART 439: Intermedia Studio (3)

ART 442: Art and Community (3)

ART 443: Intermedia Performance (3)

DCE 133: Hip Hop I (2)

DCE 201: Dance, Culture, and Global Contexts (HU) (3)

DCE 203: The Walking Body (HU) (3)

DCE 233: Hip Hop II (2)

DCE 303: The Body Condition(ed) (SB) (3)

DCE 333: Hip Hop III (3)

DCE 360: Third-Year Creative Practices I (3)  
DCE 404: Dance and Ethics (L) (3)  
DCE 405: Writing the Creating Body (L or HU) (3)  
HDA 252: Foundations Arts and Design Entrepreneurship (3)  
MDC 211: Introduction to Digital Sound (3)  
MDC 311: Composing and Performing for Hybrid Ensembles (3)  
MHL 342: Music History II (HU) (3)  
MHL 344: Music in World Cultures (HU & G) (3)  
MUP 489: Gamelan (3)  
MUP 489: Latin Marimba (3)  
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)  
NLM 160: Voluntary Action and Community Leadership (SB) (3)  
NLM 220: Introduction to Nonprofit Organizations (3)  
NLM 410: Social Entrepreneurship (3)  
NLM 430: Managing Nonprofit Organizations (L) (3)  
NLM 451: Grant Writing (3)  
PAF 200: Public Service and Policy in the 21st Century (3)  
PAF 410: Building Leadership Skills (SB) (3)  
PAF 420: Managing Across Boundaries (3)  
TDM 448: Heritage and Cultural Tourism (3)  
THP 251: Student Production Board I (3)  
THP 451: Student Production Board II (3)  
THP 482: Theatre for Social Change (C) (3)  
THP 483: Acting: Viewpoints and Composition (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A minimum GPA of 3.00 is required to complete the certificate. The certificate is administered through the Office of Student Success in the Herberger Institute and through the Design and Arts Corps and is open to all undergraduate students admitted to ASU.

Students enrolled in the BA in the Arts in the Herberger Institute must complete three additional credit hours of coursework unique to the certificate program that does not also count toward their major (this is due to the overlapping requirements of HDA 210 and HDA 310).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

This certificate program allows students to develop unique pathways that also earn micro-credentials across a broad range of competencies including: ethical communication, group facilitation, project structuring and evaluation, project management, ethics and asset-based community cultural development. These competencies prepare graduates for excellence in a range of occupations.

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://herbergerinstitute.asu.edu/national-accelerator/design-and-arts-corps?dept=1400&id=2>  
CDS 101  
herbergeradvising@asu.edu  
480-965-4495

## **Computational Life Sciences Certificate (LACLSICERT)**

**Campus:** Tempe, Online

#### **Description:**

In the life sciences, employers need those who are skilled in understanding and interpreting data, and in particular demand are those who have experience using new, computational approaches and computer programs to process data.

Through this certificate program in computational life sciences, students learn how to identify and interpret data that is generated from a wide range

of fields in the life sciences. These fields include ecology, botany, evolutionary biology, neuroscience, molecular and cellular biology, and animal behavior. Students learn about many types of data generated from sources such as DNA, RNA, protein, imaging, conservation and even from long-term ecological research sites.

Students are introduced to a suite of computational approaches that are used to analyze, visualize and interpret this data. Finally, students delve into the ethical implications of collecting, analyzing and sharing the results of computational life sciences data.

#### **Program Requirements:**

The certificate in computational life sciences requires a minimum of 15 credit hours, of which at least 12 credit hours must be upper-division. The core consists of one computing course and one ethics course. A minimum of nine credit hours in elective courses complete the certificate. The computing course not used toward the core requirements may be used toward the elective credit hours. A grade of C (2.00 on a 4.00 scale) or higher is required for all courses used toward the certificate.

#### **Required Courses -- 6 credit hours**

BIO 312 / PHI 320: Bioethics (HU) or BIO 316 / HPS 330: History of Biology: Conflicts and Controversies (H) or BIO 317 / HPS 323: History of Science II (HU & H) or BIO 318 / HPS 331: History of Medicine (HU & H) or BIO 416 / HPS 410: Biomedical Research Ethics (L) (3)

BIO 439: Computing for Research or BIO 440 / MBB 440: Functional Genomics (3)

#### **Electives -- 9 credit hours**

BIO 355 / MAT 355 / MBB 355: Introduction to Computational Molecular Biology (CS) (3)

BIO 411: Quantitative Methods in Conservation and Ecology (4)

BIO 415: Statistical Models for Biology (CS) (4)

BIO 439: Computing for Research (3)

BIO 440 / MBB 440: Functional Genomics (3)

BIO 494: Data Analysis in Neuroscience (3)

BIO 494: Data Analysis and Visualization in R (1)

BIO 494: Genomic Analysis (3)

BIO 498: Programming for biologists (1)

BME 494: Systems Biology of Disease (3)

BMI 311: Modeling Biomedical Knowledge (3)

BMI 312: Modeling Biomedical Data (3)

BMI 330: Topics in Translational Bioinformatics (3)

DAT 301: Exploring Data in R and Python (4)

GIS 469 / SOC 469: Multivariate Statistics for Social Sciences (3)

GIS 471: Spatial Statistics for Geography and Planning (3)

MAT 353: Mathematics and Cancer (3)

MAT 451: Mathematical Modeling (CS) (3)

If not used as the required computing course, students may include BIO 439 or BIO 440 as a certificate elective.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

#### **Career Opportunities:**

Graduates who have combined the certificate in computational life sciences with their major program of study may become more marketable to employers. They often decide to pursue employment in ecology, medicine, botany, evolutionary biology, neuroscience, molecular and cellular biology, or animal behavior, and they work to identify and interpret data in the respective field.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/>  
LSC 426  
SOLS.advising@asu.edu  
480-727-2039

## Computer Gaming Certificate (ESSCICERT)

**Campus:** Tempe

### **Description:**

The computer gaming certificate program is designed to provide a game development skill set that the student can apply to domain-specific applications in the student's major. The skill set includes architecture of game engines, art design and computer graphics for gaming, and game software development.

In this certificate program, students learn to apply gaming technology to the rapidly growing video game industry and to business, medicine, geography, biotechnology and education. Examples of projects include:

- building a game that teaches linear algebra by incorporating trigonometric rules into the game design
- creating a game that teaches correct sentence construction to beginning learners of English
- creating a game to help patients with physical therapy
- creating an interactive virtual world for corporate training
- designing a game platform incorporating geographic information systems
- inventing a surgical simulation to educate medical students

### **Program Requirements:**

Students will complete nine credit hours of core courses (including a final capstone project) and nine credit hours of elective courses. The certificate requires 12 credit hours of upper-division coursework. Students need to allow at least three years to complete the certificate program due to the prerequisite structure.

Core Courses -- 9 credit hours

CPI 111: Game Development I (CS) (3)

CPI 211: Game Development II (3)

CPI 441: Gaming Capstone (3)

Electives -- 9 credit hours

CPI 311: Game Engine Development or SER 332: Introduction to Graphics and Game Development (3)

CPI 321: Fundamentals of Game Art (3)

CPI 394: Game Design Fundamentals (3)

CPI 411: Graphics for Games or SER 432: Game Engine Architecture (3)

CPI 421: 3-D Modeling and Texturing (3)

CPI 462: Design for Learning in Virtual Worlds (3)

CPI 484: Internship (3)

FMS 394: Video Games and Narrative (3)

SER 431: Advanced Graphics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

The computer gaming certificate is open to any student admitted to an undergraduate degree program at ASU and in good academic standing. This certificate can also be used by interdisciplinary studies BA students as part of their degree program.

All students are eligible to take CPI courses. Students who want to declare the certificate need to complete the undergraduate certificate form on the registrar's website and submit it to the School of Computing, Informatics and Decision Systems Engineering Academic Advising Center located in Centerpoint, Room 105. Interdisciplinary studies students need to contact their advisor to add the computer gaming concentration to their degree program.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.



**Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in computer gaming helps students become more marketable to employers in the gaming industry by adding this specialization to complement their major program of study.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computing and Informatics Program  
<https://cidse.engineering.asu.edu/certificates-gaming/>  
CTRPT 105  
cidse.undergrad@asu.edu  
480-965-3199

## Convention Sales and Meeting Planning Certificate (PPTDMCERT)

**Campus:** Downtown Phoenix

**Description:**

The U.S. meetings, conventions and exhibitions industry generates more than \$120 billion a year, supporting nearly two million jobs. Students can explore this exciting growth industry with the convention sales and meeting planning certificate program. The demand for professionals is strong, and this program provides an excellent foundation for enhancing career opportunities nationally, regionally and locally.

Phoenix is a major convention and meeting destination. There is a need for qualified professionals to service conventions and meetings, due in large part to the \$600 million investment in the Phoenix Convention Center expansion, development of new hotels and other visitor-related products, and the steady influx of corporate headquarters relocating to the greater Phoenix area.

The certificate, which has been endorsed by the Greater Phoenix Convention and Visitors Bureau and the Arizona Sunbelt Chapter of Meeting Professionals International, enhances a graduate's career opportunities as a tourism professional.

**Program Requirements:**

The certificate requires 15 credit hours: three required core courses (nine credits) and two elective courses (six credits). Courses taken as part of a university major may count toward that degree and the certificate. Requirements can be met online. All core classes and some elective classes are taught online at least once a year. To earn the certificate, students must complete a minimum of 12 upper-division credit hours. An application to the program is required.

Required Core Courses -- 9 credit hours

TDM 345: Meeting and Convention Planning (3)

TDM 350: Tourism, Recreation and Sports Marketing (3)

TDM 386: Convention Sales and Management (3)

Electives (choose two, one must be upper-division) -- 6 credit hours

NLM 310: Volunteer Management (3)

PRM 145: Special Events Management (3)

TDM 205: Introduction to Travel and Tourism (G) (3)

TDM 225: Introduction to Resort and Hotel Management (3)

TDM 458: International Tourism (G) (3)

**Standards**

1. Fifteen credit hours of graded classroom coursework are required (no internship, no independent study).
2. A minimum "C" (2.00 on a 4.00 scale) grade is required for all classes in the certificate.
3. A minimum GPA of 2.00 is required for those pursuing the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Other Enrollment Requirements: None

Students wishing to pursue the convention sales and meeting planning certificate should consult an academic advisor in the School of Community Resources and Development.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

This certificate program gives its graduates a competitive edge as they work toward a career in convention sales and meeting planning.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/degree-programs>  
UCENT 550  
scrdadvising@asu.edu  
602-496-0550

## Correctional Studies Certificate (PPCRTSCERT)

**Campus:** Downtown Phoenix

**Description:**

The certificate program in correctional studies educates students about a variety of components that make up the corrections system. It is designed to provide students with understanding and knowledge of the histories, philosophies and contemporary practices of both institutional and community corrections. The program emphasizes evidence-based best practices concerning the rehabilitation of correctional clients to reduce recidivism.

**Program Requirements:**

Required Courses -- 15 credit hours

CRJ 100: Introduction to Criminal Justice (SB) (3)

CRJ 240: Introduction to Corrections (3)

CRJ 443: Community Corrections (3)

CRJ 444: Institutional Corrections (3)

CRJ 445: Tools for Engaging Correctional Populations (3)

Elective Courses (choose one) -- 3 credit hours

CRJ 317: Inside-Out Prison Exchange Program (3)

CRJ 394: Special Topics (3)

Notes: Only approved corrections-related topics

CRJ 406: Sex Crimes (3)

CRJ 411: Legal Issues in Corrections (3)

CRJ 434: Drugs of Abuse (3)

CRJ 435: Crime and Forensic Mental Health (SB) (3)

CRJ 484: Internship (3)

CRJ 494: Special Topics (3)

Notes: Only approved corrections-related topics

Special Topics courses (CRJ 394 and CRJ 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the correctional studies certificate program.

At least 15 credit hours must be taken in-residence at ASU.

Lower-division courses such as CRJ 100 (Introduction to Criminal Justice) and CRJ 240 (Introduction to Corrections) may be used to satisfy the requirements of any major or a minor at ASU, as well as requirements for the certificate program in correctional studies. No upper-division courses in criminology and criminal justice, however, may be used to satisfy the requirements of the certificate program in correctional studies and either the major or minor in criminology and criminal justice. For example, students majoring or minoring in criminology and criminal justice may not use CRJ 394, CRJ 406, CRJ 411, CRJ 434, CRJ 435, CRJ 443, CRJ 444, CRJ 445, CRJ 484, or CRJ 494 to satisfy the requirements of the certificate in correctional studies and either the major or minor in criminology and criminal justice.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students must complete CRJ 100 Introduction to Criminal Justice with a grade of "C" or better (scale is 4.00 = "A") in order to be admitted to the certificate program. This course may be taken in residence at ASU or may be transferred from other institutions, including community colleges.

Because this course is a requirement for the bachelor's degree program and the minor in criminology and criminal justice, its completion satisfies the requirements of the major or minor and satisfies the prerequisite requirement for admission to the certificate program in correctional studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates of the correctional studies certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) including National Institute of Corrections, Federal Bureau of Prisons, and local and state-level corrections departments. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu>  
UCENT 600  
SCCJAdvising@asu.edu  
602-496-2356

## **Creative City Certificate (PPURBCERC)**

**Campus:** Downtown Phoenix

#### **Description:**

Students in this program explore best practices in a global context and develop asset-based proposals for specific locales including implementation plans.

The creative city certificate adds value to other majors as well as work and life experience for students aspiring to assume leadership roles in improving quality of life, specifically by enhancing quality of place.

Cities are centers of human creativity and cultural innovation; they both attract and breed these qualities of urban areas. Such creativity and innovation are apparent in the vitality of the arts as well as that of businesses (large and small), research (basic and applied) and the everyday life unique to any given locale. These are the ingredients that make places sustainable, economically, socially and environmentally, by endowing a sense of place along with a sense of community.

This certificate also serves professionals in the community working in the areas of community development, land-use law, parks and recreation, philanthropy, planning, public art, urban governance and others.

Flexible class times and locations make the program a viable option for those unable to attend classes during the day.

#### **Program Requirements:**

The creative city certificate consists of 15 credit hours of coursework. All courses must be taken at ASU. A "C" (2.00 on a 4.00 scale) or better is required in all coursework.

Required Core Courses -- 6 credit hours

PAF 405: Citizen Engagement and Community Building (3)

PAF 406: Public Administration and Community Development (3)

Elective Courses -- 9 credit hours

CRD 301: Sustainable Communities (3)

CRD 302: Inclusive Community Development (SB & C) (3)

GRA 401: Creative Environment (3)

NLM 160: Voluntary Action and Community Leadership (SB) (3)

NLM 220: Introduction to Nonprofit Organizations (3)

NLM 300: Fund Raising and Resource Development (3)

NLM 402: Assessment and Evaluation of Community Services (3)

PAF 220: Introduction to Urban America (3)

PAF 420: Managing Across Boundaries (3)

PRM 120: Leisure and the Quality of Life (SB) (3)

PRM 210: Leisure Delivery Systems (3)

## TDM 448: Heritage and Cultural Tourism (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Career Opportunities:**

Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations, and private organizations whose work interfaces with the public sector.

### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/undergradminors>  
UCENT 400  
spa@asu.edu  
602-496-0450

## **Criminal Investigations Certificate (PPCRICERT)**

**Campus:** Downtown Phoenix, West

### **Description:**

The certificate in criminal investigations educates students about a variety of aspects of criminal investigations and criminalistics. It is designed to provide students of the social sciences, natural sciences, humanities and public services with an understanding of the nature of criminal evidence; the language of forensic science; the scope, probative value and limitations of a variety of investigative specializations and their techniques; and an appreciation of how forensic investigative methods are used in the quest for justice.

The certificate program allows students to satisfy at least two of their General Studies requirements, the SQ and SB, in a thematic manner, but it is not designed to prepare students to work in a crime laboratory.

### **Program Requirements:**

Required Courses -- 12 credit hours

- CRJ 100: Introduction to Criminal Justice (SB) (3)
- CRJ 210: Introduction to Criminal Investigations (3)
- CRJ 211: Documenting the Crime Scene (3)
- CRJ 410: Criminal Procedure: The Law of Investigations (3)

Elective Courses (choose three) -- 9 credit hours

- CRJ 321: Evidence: Imperatives of Proof (3)
- CRJ 433: Death Investigations: Principles of Forensic Medicine (3)
- CRJ 434: Drugs of Abuse (3)
- CRJ 435: Crime and Forensic Mental Health (SB) (3)
- CRJ 450: Crime Analysis (3)
- CRJ 484: Internship (1-6)
- CRJ 494: Special Topics (3)

Notes: only in approved investigations-related topics

- FOR 350: Computer Forensics (3)
- FOR 394: Special Topics (3)

Notes: only in approved investigations-related topics

- FOR 410: Testimony and Ethics in the Forensic Sciences (L) (3)
- FOR 484: Internship (1-6)

1. Special Topics courses (FOR 394 and CRJ 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the criminal investigations certificate program.

2. At least 12 credit hours must be taken in-residence at ASU.
3. A "C" (2.00 on a 4.00 scale) or better is required in all course work required for the certificate.
4. Upper-division course work may not be used to satisfy the requirements of both a major and the certificate. Thus, if any elective courses in the certificate program are being used to satisfy the requirements of a major, different elective courses must be taken to satisfy the requirements of the certificate program. For example, students majoring in criminology and criminal justice may not use CRJ 321, CRJ 410, CRJ 433, CRJ 434, CRJ 435, CRJ 450, CRJ 484 or CRJ 494 to satisfy the requirements of the major and the certificate in criminal investigations. Similarly, students majoring in forensic science may not use FOR 350, FOR 410 or FOR 484 to satisfy the requirements of the major and the certificate in criminal investigations.

#### Prerequisite Information

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

CRJ 100 Introduction to Criminal Justice, SB (3) is a prerequisite requirement to enroll in CRJ 210, CRJ 211, CRJ 433, CRJ 434, CRJ 435, CRJ 484 and CRJ 494.

ACO 100 All About Data: Design, Query, and Visualization, CS (3) is a prerequisite requirement to enroll in FOR 350 Computer Forensics.

Either FOR 286 Principles of Forensic Science (3) or the two semester sequence in FOR 105 and FOR 106 is a prerequisite requirement to enroll in FOR 410 Professional Practices in Forensic Science, L (3). ENG 102 or 105 or 108 are also prerequisites for FOR 410.

The completion of at least 45 credit hours is a prerequisite requirement to enroll in FOR 484 Internship.

#### Enrollment Requirements:

Students must complete the following prerequisite courses with a grade of "C" or higher (scale is 4.00 = "A") in order to be admitted to the certificate program. These courses may be taken in residence at ASU or may be transferred in from other institutions, including community colleges.

The following prerequisite courses are required for admission to the certificate program:

For students majoring in the social sciences, humanities or the arts:\*

FOR 105 Physical Evidence and the Crime Scene, SQ (4) and

FOR 106 Biology Behind the Crime Scene, SQ (4)

For students majoring in the natural sciences:\*

FOR 286 Principles of Forensic Science (4)

\*Neither FOR 105 nor FOR 106 have any prerequisites. These courses are designed for students majoring in the social sciences, humanities or arts to meet the natural science requirement of ASU's General Studies program. Thus, students not majoring in the natural sciences who wish to declare the certificate program in criminal investigations must complete the two-course sequence in FOR 105 and FOR 106. In contrast, students majoring in the natural sciences, including forensic science, should not take FOR 105 and FOR 106; they need only complete FOR 286: Principles of Forensic Science, which has prerequisite requirements of BIO 181, BIO 182, CHM 113 and CHM 116.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Career Opportunities:

Graduates of the criminal investigations certificate program find a strong job market in the public and private sectors. Employment opportunities exist in:

- bank fraud
- the courts
- domestic terrorism
- federal agencies
- forensics
- homeland security
- law enforcement
- legal offices

Graduates also may pursue advanced degrees in law, criminology and criminal justice, and other social science disciplines. Advanced degrees or certifications may be required for academic or clinical positions.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice

## Cross-Sector Leadership Certificate (PPCSLDCERT)

**Campus:** Downtown Phoenix

### Description:

The certificate program in cross-sector leadership provides a comprehensive overview of leading solutions to complex social challenges by integrating the public, private, nonprofit and military sectors.

Students engage in a systems-thinking approach to real-world challenges faced by local and global communities, explore the diverse characteristics and motives of each sector in engaging in cross-sector collaborations, and master processes to formalize such partnerships. Students gain leadership skills, such as leading change within and between organizations across multiple sectors, and they learn to use human-centered design, social entrepreneurship and other approaches when tackling community challenges. Students study values-based leadership and how individual, organizational and sector values can drive a leader's ability to act. Students end the program with a thesis or applied project that integrates the theories, procedures and concepts learned in the certificate courses with experiences from the students' internships in each sector.

### Program Requirements:

The certificate in cross-sector leadership is a requirement for, and is limited to, participants in the Public Service Academy's Next Generation Service Corps, a four-year leadership development track that engages future civilian leaders in the public, private and nonprofit sectors to engage in collaboration and change in the context of social challenges in which they hold interest. Students are required to maintain a 3.00 ASU GPA, a 3.00 GPA across certificate courses and demonstrate forward academic progress to maintain enrollment in the certificate as well as the Next Generation Service Corps. ROTC students also may pursue the certificate, but must maintain a 3.00 GPA in certificate courses.

Required Courses -- 12 credit hours

CPP 101: Foundations of Cross Sector Leadership (1)

CPP 201: NGSC Community Impact Lab (2)

CPP 301: Cross-Sector Collaboration (3)

CPP 410: Social Entrepreneurship (3)

PAF 311: Leadership and Change (SB) (3)

Elective (choose one) -- 3 credit hours

CPP 394: NGSC Leadership Instruction (3)

PAF 421: Leadership Capstone (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### Enrollment Requirements:

Enrollment in the 15-credit hour certificate program in cross-sector leadership is offered only to students participating in ASU's Next Generation Service Corps or in the Reserve Officers Training Corps. Enrollment requirements for the certificate are the same as admission requirements for the Next Generation Service Corps or Reserve Officer Training Corps (by request). Public Service Academy staff and the Watts College of Public Service and Community Solutions Dean's Office enroll the students.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree.

### Career Opportunities:

Students can advance their career options with an undergraduate certificate.

Graduates of the certificate in cross-sector leadership have acquired a unique knowledge of cross-sector collaboration, advanced leadership skills, and an understanding of how to use these, and this complement to their major program of study may make them more marketable to employers.

### Contact Information:

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://psa.asu.edu>

UCENT 707  
psa@asu.edu  
602-496-0201

## Cryptology Certificate (LACRYCERT)

**Campus:** Tempe

### **Description:**

The certificate program in cryptology is designed to provide a strong foundation in the mathematical topics that are most applicable to modern cryptosystems. It also provides specialized knowledge required for understanding and working in the field of mathematical cryptology.

### **Program Requirements:**

This certificate requires 18 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

Required Courses -- 12 credit hours

MAT 440: Group Theory or MAT 444: Intermediate Abstract Algebra (3)

MAT 445: Theory of Numbers (3)

MAT 447: Cryptography I (3)

MAT 448: Cryptography II (3)

Elective Courses (select two) -- 6 credit hours

MAT 415: Introduction to Combinatorics (3)

MAT 416: Graph Theory (3)

MAT 441: Ring Theory (3)

STP 421: Probability (3)

STP 427: Mathematical Statistics (3)

Students may substitute an approved cryptography-related internship for 3 credit hours of elective coursework.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

This program has additional admission requirements; students should see a college advisor for details. Applicants should be in good academic standing with a "B" or better (scale is 4.00 = "A") in MAT 300 Mathematical Structures (3) or the equivalent.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Career Opportunities:**

A certificate in cryptology offers a wide variety of career possibilities. This program assists in preparing students with skills related to information security. Some students pursuing this certificate are interested in areas such government, financial, medical and educational institutions. All of these institutions require skill sets involved in securing data, and this program assists students in developing these skills.

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Data Science Certificate (ASDTSCERT)

**Campus:** West

### **Description:**

The data science certificate program combines the strengths of database skills with interdisciplinary computational statistics.

The program provides students with an understanding of the computational and statistical methods used to extract insights from complex datasets and provides hands-on experience with them. In particular, it includes courses that cover key techniques for the different stages of the data science process: data collection, data processing for small and big data, data cleaning, exploratory data analysis, data visualization, predictive modeling with machine learning techniques and statistical modeling.

**Program Requirements:**

The certificate in data science consists of a minimum of 15 upper-division credit hours. A minimum of six upper-division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Required Courses -- 9 credit hours

ACO 320: Database Systems (3)

ACO 423: Data Science (3)

STP 315: Statistical Computing (3)

Electives (choose two courses) -- 6 credit hours

ACO 321: Database Development & Applications (3)

ACO 420: Big Data Systems (3)

ACO 421: Data Mining and Warehousing (3)

BMI 311: Modeling Biomedical Knowledge (3)

BMI 312: Modeling Biomedical Data (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Prerequisites for this certificate are:

ACO 201 Data Structures and Algorithms (3)

MAT 243 Discrete Mathematical Structures (3) or MAT 300 Mathematical Structures (3)

STP 226 Elements of Statistics (3)

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

A certificate in data science helps prepare students who have an interest in databases and statistics. Possible careers include data scientist, machine learning scientist or engineer, applications architect, data architect and data engineer.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/data-science-certificate>

FAB N100

MNSadvising@asu.edu

602-543-3000

## Desert Food Production Certificate (LSDFPRCERT)

**Campus:** Polytechnic

**Description:**

The certificate program in desert food production equips students interested in producing foods locally with the knowledge and skills necessary to grow edible plants and to navigate the challenges unique to desert climates.

Coursework in the program emphasizes organic food production, sustainable horticultural technologies, green waste reduction, water conservation, maintaining biodiversity and biological cycles, and enhancing soil quality.



Students gain marketable skills that enable them to participate in the growing trend of producing and supporting the consumption of local foods.

**Program Requirements:**

The desert food production certificate requires a minimum of 18 credit hours.  
A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

**Required Courses -- 12 credit hours**

- ABS 260: Fundamentals of Sustainable Horticulture (SG) (4)
- ABS 368: Plant Propagation (3)
- ABS 460: Organic Gardening (2)
- ABS 464: Desert Horticulture (3)

**Elective Courses -- 6 credit hours**

At least four credit hours of certificate electives must be from upper-division courses.  
No more than two credit hours of ABS 484 Internship may be counted toward the certificate requirements.

- ABS 225: Soils (SQ) (3)
- ABS 226: Soils Laboratory (SQ) (1)
- ABS 360: Southwest Home Gardening (2)
- ABS 462: Greenhouse/Nursery Management (4)
- ABS 484: Internship (2)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

This certificate is open to students in any major. Students should contact an advisor in the College of Integrative Sciences and Arts for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in desert food production helps students become more marketable to employers when they have complemented their major program of study with this specialization.

Students who complete this undergraduate certificate along with their major often decide to pursue employment in nursery and greenhouse management, food science or farm and ranch management. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Digital Business Innovation Certificate (BADBICERT)

**Campus:** Tempe

**Description:**

This certificate program in digital business innovation provides students with a broad overview of modern-day digital information systems. It gives exposure to modern tools for transforming business processes, maintaining digital presence and developing analytical insights.

Students who complete the program are well suited for the business landscape, phenomenally transformed in recent years by digital innovations.

**Program Requirements:**

The digital business innovation certificate is available to all majors. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better. No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Courses -- 18 credit hours

CIS 105: Computer Applications and Information Technology (CS) (3)

CIS 235: Introduction to Information Systems (3)

CIS 300: Web Design and Development (3)

CIS 308: Advanced Excel in Business (3)

CIS 311: Business Agile Project Management (3)

CIS 312: Business Mobile Commerce and Monetization (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in digital innovation with their major program of study may become more marketable to employers. They often decide to pursue employment in management, marketing, sales or communication.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Business, W. P. Carey School of

Department of Information Systems

<https://wpcarey.asu.edu/information-systems-degrees>

BAC 601

wpcareyis@asu.edu

480-965-3252

## Digital Culture Certificate (HIDGCCERT)

**Campus:** Tempe

**Description:**

The digital culture certificate program in the Herberger Institute for Design and the Arts focuses on the creative exploration of how new media is influencing culture, or rather the way people live, learn, create and communicate.

Pursuing the digital culture certificate allows students to enhance their program of study with integrated, transdisciplinary training in creative processes and technical skills in new media with cultural applications.

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that is increasingly shaped by new technologies.

**Program Requirements:**

The digital culture certificate requires 18 credit hours, of which 12 are upper division.

A minimum grade of a "C" (2.00) and an overall GPA of 3.00 is required in all courses in the certificate program. Courses in the certificate program may not be used as part of a major. All upper-division certificate coursework must be taken at ASU.

Required Courses -- 6 credit hours

AME 111: Introduction to Digital Culture (CS) (3)

AME 112: Computational Thinking for Digital Culture or AME 230: Programming for the Media Arts (CS) (3)

Digital Culture Studies -- 6 credit hours

AME 310: Media Literacies and Composition (3)

AME 320: Motion Capture for Integrative Systems (3)

AME 330: Digital-Physical Systems (3)

AME 340: Compositional and Computational Principles for Media Arts (3)

AME 394: Special Topics (3)

AME 410: Interactive Materials (3)

AME 430: Mac Development for Media Arts (3)

AME 435: Mobile Development (3)

AME 444: Media Installations (3)

AME 470: Programming for Social and Interactive Media (3)

AME 485: Digital Culture Capstone I (3)

AME 494: Animating Virtual Worlds (3)

AME 494: Special Topics (3)

ART 378: Digital Textiles (3)

FSH 394: Fashion Design & Wearable Technology (3)

Digital Media - Media Arts and Design -- 6 credit hours

AME 394: Special Topics (3)

AME 494: Special Topics (3)

ART 308: 2D Digital Animation (3)

ART 346: 3-D Computer Imaging and Animation (CS) (3)

ART 348: Animation Motion Studies (3)

ART 394: Digital Photography for Non-Majors (3)

ART 438: Moving and Interactive Systems in Sculpture (3)

ART 440: Experimental Video Art (3)

ART 494: Visual Prototyping (3)

CIS 300: Web Design and Development (3)

EDT 440: Creating and Marketing Mobile Apps (3)

EEE 307: Signal Processing for Digital Culture (3)

FMP 394: Non-Linear Editing for Film and Media (3)

IAP 322: Multitrack Digital Recording (3)

IAP 361: Digital Editing and Media Literacy (CS) (3)

IAP 364: Documentaries (3)

IAP 394: Motion Graphics & Animation (3)

IAP 462: Games and Play (3)

MDC 311: Composing and Performing for Hybrid Ensembles (3)

Generous substitution rules allow for course flexibility. Students receiving the digital culture certificate can petition to substitute up to six credit hours. Three credit hours can come from any course related to digital culture through courses offered by any ASU unit on any ASU campus, including the interdisciplinary arts and performance program on the West campus and the film and media studies program on the Tempe campus. Courses may include any on the list of related subjects and substitutions (shown above) or courses with comparable content.

The other three substitution hours can be achieved through the following path:

The three-hour media arts and design course requirement may be substituted with a three-hour course in the digital culture-related category.

Students who earn a digital culture certificate cannot earn a minor in digital culture.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Degree-seeking undergraduates or nondegree-seeking graduate students may add the digital culture certificate. To add the certificate, students must meet with the digital culture academic success coordinator to develop a pathway that best meets the proficiencies for the work they are interested in pursuing. Students then meet with the academic advisor for their major to add the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students can advance their career options with a undergraduate certificate. The certificate in digital culture helps students become more marketable to employers by adding this specialization to complement their major program of study. Digital culture students go on to work in a variety of fields, some of which are mobile app design, audio production, and autonomous systems.

**Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF-B 217  
digitalculture@asu.edu  
480-965-9438

## Disability Studies Certificate (LADISCERT)

**Campus:** Tempe

**Description:**

As a vibrant and diverse area of academic study, disability studies utilizes a cross-disability, intersectional and interdisciplinary approach that views disability as a social construct and people with disabilities as a minority group. The program in disability studies draws upon diverse disciplines such as history, sociology, law, policy studies, economics, anthropology, geography, philosophy, theology, gender studies, media studies, architecture and the arts in order to understand the social, cultural and political situation of disabled cultures.

Students are critically challenged to reject simplistic definitions of disability as a restrictive, functional impairment that requires fixing or curing. Rather, students learn to identify disability as a construct that finds its meaning within cultural contexts, is central to individual and social identity and crucial to changing political processes and public attitudes.

This program prioritizes development of theoretical, methodological, educational and advocacy models that redefine legal, physical, policy and attitudinal barriers excluding disabled communities from society.

**Program Requirements:**

Students must complete 15 credit hours with at least 12 hours completed at the upper-division level. A minimum grade of "C" (2.00 on a 4.00 scale) is required for a course to count toward the certificate.

Students should contact the School of Social Transformation advising center for more information.

**Required Courses -- 6 credit hours**

JUS 235: Disability, Justice and Advocacy (C) (3)  
JUS 437: The Social Construction of Disability and Justice (3)

**Elective Courses -- 9 credit hours**

AFR 317: Genes, Race and Society (SB & H & C) (3)  
AFR 375: Race, Gender and Sport (SB & C) (3)  
APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)  
APA 350: Inequality and Diversity in Education (L & C) (3)  
APA 355: Asian American Psychology (SB & C) (3)  
CRD 302: Inclusive Community Development (SB & C) (3)  
DST 322: Social and Cultural Implications of the Many Forms of Disability (3)  
DST 458: Disability and Communication Advocacy (3)  
EDS 301: Sustainable Community Design and Practices (3)  
ENG 484: Internship (1-12)  
JUS 303: Justice Theory (L) (3)  
JUS 305: Principles of Justice Studies (SB) (3)  
JUS 365: Inequality and Diversity in Education (L & C) (3)  
JUS 370: Cultural Diversity and Justice ((L or HU) & C) (3)  
JUS 375: Justice and the Mass Media (SB) (3)  
JUS 432: Racial Justice (L) (3)  
JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)  
JUS 440: Prisons, Power and the Punishments of the Past (3)  
JUS 469: Political Deviance and the Law ((L or SB) & C) (3)  
MHL 494: Music and Healing (3)  
MUE 441: Psychology of Music (3)

PRM 364: Foundations of Recreation Therapy (SB) (3)  
PRM 440: Advocacy in Therapeutic Recreation (3)  
PRM 450: Therapeutic Recreation and Community Health (3)  
PRM 453: Inclusive and Adaptive Sports and Recreation (3)  
PRM 455: Recreational Therapy with Children, Youth and Families (3)  
SHS 367: Language Science (SB) (3)  
WST 313: Women and Sexuality (SB & C) (3)  
WST 371: Sex and the City: Women, Sexuality, and Popular Culture (HU & C) (3)  
WST 380: Race, Gender, and Class (SB & C) (3)  
WST 477: Gender and Violence (SB & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students enrolled in the BA or minor in disability studies offered by the New College of Interdisciplinary Arts and Sciences are not prohibited from adding this certificate.

#### **Career Opportunities:**

Graduates who have combined the certificate in disability studies with their major program of study may become more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## **Diversity and Equity Studies Certificate (ASDESCERT)**

**Campus:** West

#### **Description:**

This certificate program in diversity and equity studies develops students' intercultural competence through knowledge gained related to the histories, practices and perspectives of diverse groups, both local and global.

Reflecting on this knowledge permits students to develop strategies to work with and through differences of gender, race, ethnicity, sexuality, age, religion and class. Integrative social sciences perspectives enable bridge-building within and across differences to redress inequalities.

#### **Program Requirements:**

The certificate in diversity and equity studies requires a minimum of 15 credit hours (at least 12 must be upper division), consisting of a core of three credit hours and 12 credit hours of electives. Six credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and major requirements. A maximum of three credit hours of internship or individualized instruction may be applied to the certificate. Electives are not limited to the certificate elective list; see academic advisor prior to enrollment. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. Only courses in which a student receives a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet certificate requirements.

Required Core Course -- 3 credit hours

SBS 301: Cultural Diversity ((L or SB) & C) (3)

Elective Courses (minimum 9 upper-division) -- 12 credit hours

Students will select 12 elective credit hours from coursework related to diversity and equity studies. Selected courses must come from at least two of the following prefixes: ASB, JHR, POS, SBS or SOC.

ASB 211: Women in Other Cultures ((HU or SB) & G) (3)

ASB 311: Principles of Social Anthropology (SB & G & H) (3)

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)

ASB 340 / SOC 328: Migration and Culture (SB & G) (3)

ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)

ASB 346: Marriage and Family Diversity (SB & C) (3)

ASB 394: Special Topics or JHR 394: Special Topics or POS 394 / SBS 394 / SOC 394: Special Topics (1)

ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)

ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)

ASB 494 / JHR 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)

ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)

JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

POS 357: South Asia Politics (SB & G) (3)

POS 436: Gender, Sexuality, Nation-States (3)

POS 437 / SOC 437: Women, Power, and Politics (G) (3)

POS 438: Latino Politics (SB & C) (3)

SOC 241: Modern Social Problems (SB) (3)

SOC 264: Gender and Society (SB & C) (3)

SOC 270: Racial and Ethnic Relations (SB & C) (3)

SOC 371: Inequality and Sustainability (3)

SOC 400: Perspectives on Aging (SB) (3)

SOC 426: Social Inequality (SB) (3)

SOC 457: Global Social Movements (SB & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students should contact an advisor in the New College of Interdisciplinary Arts and Sciences for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

This certificate is valuable to those pursuing careers in medicine, law, business and management, public policy, human resources, media, government and community advocacy. Possible careers include nonprofit worker, diversity officer, youth counselor, crisis response counselor, social worker and counselor.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/diversity-and-equity-studies>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## **Domestic Violence and Evidence-based Practice Certificate (PPDVEPCERT)**

**Campus:** Downtown Phoenix

#### **Description:**

The certificate program in domestic violence and evidence-based practice provides students with the experience and knowledge they need to intervene safely and effectively on behalf of the survivors of gender-based violence, a vulnerable group that helping professionals are likely to encounter in all areas of practice. Those knowledgeable about the dynamics of intimate partner violence are better equipped to assist those suffering its negative physical and mental health consequences.

Evidence-based care is crucial in domestic violence settings. Students of the certificate program engage in service-based and classroom learning to understand the role of evidence-based interventions in promoting survivor safety and client empowerment.

Upon completion of the program, certificate holders become Arizona state-certified advocates for victims of domestic violence.

**Program Requirements:**

During their first semester in the certificate, students enroll in SWU 416, Domestic Violence and National AmeriCorps Service.

A grade of B or better is required in each course to satisfy the certificate.

Students must participate in an approved internship for a minimum of 300 hours.

Required Courses -- 9 credit hours

SWU 416: Domestic Violence and National AmeriCorps Service (3)

SWU 484: Internship or SWU 412: Field Instruction I (3)

Notes: Other internship credit may be substituted with department approval.

SWU 484: Internship or SWU 414: Field Instruction II (3)

Notes: Other internship credit may be substituted with department approval.

Electives -- 6 credit hours

SWU 417: Technology, Interpersonal Relationships and Abuse (3)

SWU 494: Domestic Violence: Fatality Analyses (3)

SWU 418: Global Violence Against Women (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

All students seeking the certificate must have 56 credit hours of coursework completed with a minimum GPA of 2.50. In order to enroll in SWU 416, students must have a current Arizona fingerprint clearance card, which will be verified through the State of Arizona system.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Social Work

<https://socialwork.asu.edu>

UCENT 810E

[social.work@asu.edu](mailto:social.work@asu.edu)

602-496-0800

## Economic Justice Certificate (LAECNJCERT)

**Campus:** Tempe

**Description:**

Through the certificate program in economic justice, students gain knowledge of economic justice that promotes the growth of sustainable local, national and global communities. They complete coursework in the theories and philosophies of economic justice and economic justice praxis to prepare them for transdisciplinary exploration into areas of personal interest.

Completion of the coursework in this certificate prepares students to support and create change by analyzing and developing policies to build local skills; developing the capacity to design, control, manage and evaluate initiatives that can economically revitalize communities; increasing research abilities; and laying the groundwork for new approaches to economic justice.

**Program Requirements:**

The certificate in economic justice requires 15 credit hours, of which at least 12 must be completed at the upper-division level. All courses must be completed with a grade or "C" (2.00 on a 4.00 scale) or better.

Theories and Foundation in Economic Justice (select one) -- 3 credit hours

ASB 316: Money and Culture (L or SB) (3)

ECN 360: Economic Development (SB & G) (3)

JUS 105: Introduction to Justice Studies (SB) (3)

JUS 305: Principles of Justice Studies (SB) (3)  
WST 270: Global Perspectives on Women (3)

Economic Justice Praxis (select one) -- 3 credit hours

JUS 405: Inequality, Economy and Justice ((L or SB) & G) (3)  
JUS 484: Internship (3)  
JUS 499: Individualized Instruction (3)  
SGS 350: Economic Development and Globalization (3)  
SWU 432: Social Policy and Services (3)

Interdisciplinary Elective Component (9 hours)

To provide students with an opportunity to focus on a particular racial group, nation, region, or specific historical event while also providing a broad interdisciplinary framework, students will select three electives. Courses must be taken from both of the substantive areas below, and from two or more academic units. Any course listed below may count towards this requirement, as well as other courses approved by the program director.

Race, Gender, Class, Citizenship and Economic Justice (select two) -- 6 credit hours

AFR 350 / APA 350 / SOC 350 / CDE 350 / JUS 365 / TCL 360: Inequality and Diversity in Education (L & C) (3)  
AIS 380: Contemporary Issues of American Indian Nations (C) (3)  
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)  
HST 325: Immigration and Ethnicity in the United States (SB & H & C) (3)  
IAS 305: Work and Identity (SB) (3)  
JUS 420 / SOC 425: Women, Work, and Justice ((L or SB) & C) (3)  
JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)  
SWU 374: Diversity and Oppression in a Social Work Context (C) (3)  
TCL 314 / SOC 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)

National and Global (select one) -- 3 credit hours

AFR 302 / WST 302 / HST 335: History of Black Women in America (SB & H) (3)  
ECN 441: Public Economics (SB) (3)  
JUS 321: Wealth Distribution and Poverty (SB & C) (3)  
JUS 323: Justice and the Development of the Welfare State (SB) (3)  
JUS 325 / SGS 325: Globalization and Socio-Economic Justice (SB & G) or SOC 325: null (3)  
JUS 432 / SOC 432: Racial Justice (L) (3)  
JUS 435: Cinema and Justice (3)  
JUS 456 / SOS 456 / SOC 455: Human Rights and Sustainability ((L or SB) & G) (3)  
JUS 469: Political Deviance and the Law ((L or SB) & C) (3)  
PHI 336: Social and Political Philosophy (HU) (3)  
POS 480 / SBS 480: Global Justice (G) (3)  
POS 486: International Political Economy (SB & G) (3)  
WST 365: Women and International Health (G) (3)  
WST 477: Gender and Violence (SB & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

In order to declare this certificate, a student must first have a minimum of 30 earned credit hours and meet with an academic advisor in the School of Social Transformation.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who combine the certificate in economic justice with their major program of study may become more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**



Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/certificate/certificate-economic-justice-certificate>  
NVS1 310AA  
SSTadvising@asu.edu  
480-956-7682

## Energy and Sustainability Certificate (SUESUCERT)

**Campus:** Downtown Phoenix, Polytechnic, Tempe

### Description:

The transdisciplinary certificate program in energy and sustainability examines current energy systems and explores what will be required to transition to a sustainable energy future.

Students begin with an overview of how energy affects peoples' lives, the basic science and methods of energy production, and a full overview of energy policy options. Students may tailor the certificate around their unique interests in energy with a variety of electives representing a broad array of academic disciplines. The breadth of their energy knowledge is enriched by taking courses outside their primary area of study.

An understanding of energy is increasingly important for jobs related to environmental quality, national security and the efficient functioning of cities. This program helps students enhance their understanding of the technology and infrastructure for generating, distributing and using energy; the associated sustainability issues; and the social and policy dimensions of energy systems.

### Program Requirements:

The certificate in energy and sustainability consists of 15 credit hours, of which at least 12 must be upper-division. A minimum GPA of 2.50 is required for all courses completed in the certificate.

Required Core Courses -- 9 credit hours

- SOS 171 / GCU 171: The Thread of Energy (SB & G) (3)
- SOS 314: Basic Energy Science or SOS 324: Sustainable Energy Technology and Systems (3)
- SOS 315: Energy Policy (3)

Energy Elective Courses -- 6 credit hours

- ALT 412: Village Energy Systems (3)
- CHM 394: Chemistry, Energy, and Society (3)
- EGR 371: Best Practices for Humanitarian Engineering (3)
- EGR 476: Microgrid Design and Operation (3)
- ERM 494: Algae in Water/Energy/Food Nexus (3)
- FIS 494: Climate Change, Energy, and Social Justice (3)
- GCU 364: Energy in the Global Arena (SB & G) (3)
- GCU 442: Geographical Analysis of Transportation (SB) (3)
- GLG 304: Minerals, Energy, and Society (3)
- GPH 405: Energy and Environment (3)
- JUS 332: Politics of Energy Policy and Justice (3)
- JUS 444: Environment and Justice (L & C) (3)
- PHY 498: The Science of Sustainable Energy (3)
- POS 394: Global Environmental Politics (3)
- PUP 430: Transportation Planning and the Environment (3)
- SOS 309: History and Philosophy of Sustainability (3)
- SOS 323: Sustainable Urban Dynamics (3)
- SOS 394: Introduction to Solar Energy for Non-Engineers (3)
- SOS 435: U.S. Energy: Pathways to Sustainability (3)
- SOS 494: Renewable Energy (3)
- SOS 494: Should I Eat Fish? Ecology, Economics, & Policy (3)
- SOS 498: Designing a Living Building (L) (3)
- STS 317: Science, Technology, and Global Engagement (SB & G) (3)
- STS 329: Technology in Developing Countries (SB & G) (3)
- STS 332: Global Issues in Science and Technology (SB) (3)
- TEM 450: Design for the Developing World (3)

394, 494 and 498 courses must be taken with the specific course title/topic indicated above.

Energy elective courses are not limited to courses from this list only. Other courses on energy may be offered (special topics, etc.). Students may request to have those approved as an elective for this certificate by submitting a School of Sustainability standards petition:

[https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions) ([https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions)). Completed petitions may be submitted directly to [sosadvising@asu.edu](mailto:sosadvising@asu.edu) (<mailto:sosadvising@asu.edu>).

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Students must earn a grade of "C" or better in all courses.

Some energy elective courses have prerequisites. Any and all prerequisites must be met in order to select and enroll in those courses.

Some energy elective courses are more technical in nature, which may require additional math and science knowledge or prerequisites.

#### **Enrollment Requirements:**

Students who wish to declare a certificate in energy and sustainability should make an appointment with a College of Global Futures advisor.

Advising is by appointment only, scheduled through this website: <https://schoolofsustainability.asu.edu/advising/undergraduate-advising/> (<https://schoolofsustainability.asu.edu/advising/undergraduate-advising/>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates of this program can pair the certificate with a bachelor's degree to make themselves competitive for energy jobs in a variety of sectors.

Government, utilities, nonprofit and private businesses are a few examples that need employees who have a technical perspective and the ability to understand and analyze energy production, energy policy and environmental quality. The unique knowledge and skills gained from this transdisciplinary program will enhance a student's bachelor's degree and career opportunities.

#### **Contact Information:**

Global Futures, College of

School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/>

WGHL 108

[cgfadvising@asu.edu](mailto:cgfadvising@asu.edu)

480-727-6963

## **Entrepreneurship and Innovation Certificate (BAKEICERT)**

**Campus:** Tempe

#### **Description:**

The certificate program in entrepreneurship and innovation is comprised of three university-wide core courses, two courses within a student's disciplinary college and one approved certificate elective. Individual colleges are encouraged to offer a capstone course as part of the program.

Beyond topics related specifically to entrepreneurial business practices, courses include such topics as social entrepreneurship, arts entrepreneurship, idea generation and storytelling as additional perspectives for the student entrepreneur.

Students completing the certificate in entrepreneurship and innovation have their achievements recognized on their transcripts. Career services markets the certificate to potential employers, highlighting the innovative skills that students with this designation can offer.

#### **Program Requirements:**

The entrepreneurship and innovation certificate requires 18 total credit hours to complete and is available to all majors. At least 12 credit hours must be upper-division. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

No more than six credit hours can be shared between this certificate and other business certificates and minors.

Required Core Courses -- 9 credit hours

ENT 305: Principles of Entrepreneurship (3)

ENT 340: Creativity and Innovation (L or HU) or TEM 230: Creativity and Business Innovation (3)

ENT 360: Entrepreneurship and Value Creation or TEM 400: Technology Entrepreneurship (3)

Concentration Electives -- 6 credit hours

Concentration Electives: Students will select two courses within the same concentration below. (6)

It is the student's responsibility to check the prerequisites required by courses in their discipline.

Concentration electives will be designated and approved by individual disciplinary colleges.

#### American Indian Studies Concentration

AIS 375: Innovation for American Indian Sustainability (3)

AIS 385: Entrepreneurship for American Indian Sustainability (3)

#### Anticipating Futures Concentration

FIS 305: Ways of Knowing (L) (3)

FIS 307: Navigating Futures (SB) (3)

FIS 308: Politics, Markets and Innovation (SB) (3)

#### Aviation Management Concentration

AMT 491 is required in the aviation management concentration. Students will choose one other AMT course.

AMT 308: Air Transportation (G) (3)

AMT 489: Airline Administration (3)

AMT 491: Aviation Management Capstone (3)

#### Biomedical Engineering Concentration

BME 300: Bioengineering Product Design (3)

BME 417: Biomedical Engineering Capstone Design I (L) (4)

BME 490: Biomedical Engineering Capstone Design II (L) (4)

#### Business Concentration

AGB 456: Food Product Innovation and Development (3)

ENT 440: Entrepreneurship (3)

ENT 445: Business Model Development (3)

ENT 446: Venture Capital Experience (3)

ENT 447: Lean Launch (3)

FIN 455: Entrepreneurial Finance (3)

MKT 435: Entrepreneurial Marketing (3)

MKT 442: Services Marketing Strategy (3)

#### College of Liberal Arts: Science Concentration

BIO 312: Bioethics (HU) (3)

BIO 416: Biomedical Research Ethics (L) (3)

NTR 344: Nutrition Management and Leadership (L) (3)

PHI 320: Bioethics (HU) (3)

#### Design and Arts Concentration

ARA 396: Professional Practices for Design and the Arts (3)

ARA 460: Gallery Exhibitions (3)

DSC 394: Design Entrepreneurship & Society (3)

HDA 252: Foundations Arts and Design Entrepreneurship (3)

FMP 417: Business and Legal Practices in Entertainment (3)

MUP 438: The Enterprising Musician (3)

MUP 439: Music Product Creation and Development (3)

THP 351: Arts Management (3)

THP 450: Theatre Organization and Management (3)

#### Digital Media Entrepreneurship: Web Concentration

AME 435: Mobile Development (3)

GIT 402: New Media Internet Technologies (3)

GIT 414: Web Site Design and Internet/Web Technologies (3)

GIT 417: Advanced Web Markup and Scripting (3)

GIT 435: Website and E-Commerce Strategies (3)

GIT 480: Senior Project (3)

#### Fulton: Alternative Energy Entrepreneurship Concentration

ALT 420: Electrochemical Energy Technologies (3)

ALT 435: Applied Photovoltaics (3)

ALT 445: Automotive and Stationary Fuel Cell Systems (3)

#### Fulton: Process Innovation Concentration

TMC 331: Quality Assurance (3)

TMC 430: Enterprise Strategy and Innovation (3)

Fulton: New Product Development Concentration

CSE 335: Principles of Mobile Application Development (3)

TEM 330: Systems Innovation (3)

TEM 400: Technology Entrepreneurship (3)

Fulton: Social Entrepreneurship Concentration

TEM 450: Design for the Developing World (3)

TEM 455: Global Impact Entrepreneurship (3)

TEM 482: Startup Workshop (3)

Herberger, Fulton, WPC: Innovation Space Concentration

New product development. Students enroll in the courses associated with their major.

ENT 464: Collaborative Design Development I (L) AND ENT 465: Collaborative Design Development II (L) (10)

GRA 464: Collaborative Design Development I (L) AND GRA 465: Collaborative Design Development II (L) (10)

IND 464: Collaborative Design Development I (L) AND IND 465: Collaborative Design Development II (L) (10)

Public Programs Concentration

NLM 410: Social Entrepreneurship (3)

NLM 430: Managing Nonprofit Organizations (L) (3)

NLM 435: Service Learning for Community Development (3)

PRM 402: Assessment and Evaluation of Community Services (3)

PRM 427: Where's the Money: Special Event Revenue Generation (3)

PRM 475: Entrepreneurial Recreation and Tourism (3)

Walter Cronkite: Journalism & Mass Communication Concentration

JMC 455: Digital Media Entrepreneurship (3)

JMC 473: The Business and Future of Journalism (3)

JMC 477: New Media Innovation and Entrepreneurship Lab (3)

MCO 335: Social Media (3)

MCO 425: Digital Media Literacy I (3)

Certificate Elective (choose one course) -- 3 credit hours

AGB 456: Food Product Innovation and Development (3)

AIS 375: Innovation for American Indian Sustainability (3)

AIS 385: Entrepreneurship for American Indian Sustainability (3)

ALT 420: Electrochemical Energy Technologies (3)

ALT 435: Applied Photovoltaics (3)

ALT 445: Automotive and Stationary Fuel Cell Systems (3)

AME 435: Mobile Development (3)

AMT 308: Air Transportation (G) (3)

AMT 489: Airline Administration (3)

AMT 491: Aviation Management Capstone (3)

ARA 396: Professional Practices for Design and the Arts (3)

ARA 460: Gallery Exhibitions (3)

BIO 312: Bioethics (HU) (3)

BIO 416: Biomedical Research Ethics (L) (3)

BME 300: Bioengineering Product Design (3)

BME 417: Biomedical Engineering Capstone Design I (L) (4)

BME 490: Biomedical Engineering Capstone Design II (L) (4)

CSE 335: Principles of Mobile Application Development (3)

DSC 394: Design Entrepreneurship & Society (3)

ENT 440: Entrepreneurship (3)

ENT 445: Business Model Development (3)

ENT 446: Venture Capital Experience (3)

ENT 447: Lean Launch (3)

ENT 464: Collaborative Design Development I (L) (5)

ENT 465: Collaborative Design Development II (L) (5)

FIN 455: Entrepreneurial Finance (3)

FIS 305: Ways of Knowing (L) (3)

FIS 307: Navigating Futures (SB) (3)

FIS 308: Politics, Markets and Innovation (SB) (3)

FMP 417: Business and Legal Practices in Entertainment (3)

GIT 402: New Media Internet Technologies (3)

GIT 414: Web Site Design and Internet/Web Technologies (3)  
GIT 417: Advanced Web Markup and Scripting (3)  
GIT 435: Website and E-Commerce Strategies (3)  
GIT 480: Senior Project (3)  
GRA 464: Collaborative Design Development I (L) (5)  
GRA 465: Collaborative Design Development II (L) (5)  
HDA 252: Foundations Arts and Design Entrepreneurship (3)  
IND 464: Collaborative Design Development I (L) (5)  
IND 465: Collaborative Design Development II (L) (5)  
JMC 455: Digital Media Entrepreneurship (3)  
JMC 473: The Business and Future of Journalism (3)  
JMC 477: New Media Innovation and Entrepreneurship Lab (3)  
MCO 335: Social Media (3)  
MCO 425: Digital Media Literacy I (3)  
MKT 435: Entrepreneurial Marketing (3)  
MKT 442: Services Marketing Strategy (3)  
MUP 438: The Enterprising Musician (3)  
MUP 439: Music Product Creation and Development (3)  
NLM 410: Social Entrepreneurship (3)  
NLM 430: Managing Nonprofit Organizations (L) (3)  
NLM 435: Service Learning for Community Development (3)  
NTR 344: Nutrition Management and Leadership (L) (3)  
PHI 320: Bioethics (HU) (3)  
PRM 402: Assessment and Evaluation of Community Services (3)  
PRM 427: Where's the Money: Special Event Revenue Generation (3)  
PRM 475: Entrepreneurial Recreation and Tourism (3)  
TEM 330: Systems Innovation (3)  
TEM 400: Technology Entrepreneurship (3)  
TEM 450: Design for the Developing World (3)  
TEM 455: Global Impact Entrepreneurship (3)  
TEM 482: Startup Workshop (3)  
TMC 331: Quality Assurance (3)  
TMC 430: Enterprise Strategy and Innovation (3)  
THP 351: Arts Management (3)  
THP 450: Theatre Organization and Management (3)  
THP 452: Arts Entrepreneurship Seminar (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate in entrepreneurship and innovation is available to all ASU students in good standing except those majoring in business entrepreneurship, management with a concentration in entrepreneurship, and technology entrepreneurship and management. The certificate application can be accessed and submitted through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in entrepreneurship and innovation with their major program of study may become more marketable to employers. They often decide to pursue employment in management, sales and marketing.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Business, W. P. Carey School of

Department of Management and Entrepreneurship  
<https://wpcarey.asu.edu/undergraduate-degrees/entrepreneurship-innovation-certificate>  
BA 323  
wpcareymgt@asu.edu  
480-965-3431

## Environmental Education Certificate (TEEVEDCERT)

**Campus:** Polytechnic, Tempe, West

### Description:

The Mary Lou Fulton Teachers College certificate in environmental education is for students in all majors and for nontraditional educators. The program is designed to establish standards for professional excellence in environmental education.

Environmental education is taught in traditional classrooms and as community programs such as those at nature centers, museums, parks and zoos. The coursework required in the certificate increases the environmental literacy of future educators, fosters community leadership strategies and provides practice in environmental education teaching methods.

Students who complete the certificate are eligible to apply for the environmental education certificate recognized by the North American Association for Environmental Education.

### Program Requirements:

This certificate requires a minimum of 15 credit hours, 12 of which must be upper-division. A "C" or better is required in all coursework.

Required Core Courses (select three) -- 9 credit hours

SCN 201: Discovering the Deserts of the Southwest or SCN 301: Ecology and Natural History of the Sonoran Desert (SG) (4)

SCN 207: Introduction to Biomimicry or SCN 307: Learning from Nature: Biomimicry and STEM (3-4)

SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) or SCN 308: Urban Environmental Education (3-4)

SCN 300: Foundations of Environmental Education (3)

SCN 302: Environmental Education (L & G) (3)

SCN 310: Biodiversity Conservation: An Educational Inquiry (4)

Elective Options -- 6 credit hours

Any Core Certificate Course not taken above may be used to satisfy Electives.

SCN 209: Introduction to Environmental Education Project or SCN 309: Environmental Education Project (1)

SCN 303: Environmental Education Internship (1-3)

SCN 304: Sonoran Desert Flora (3)

SCN 305: Tropical Ecology: A Cultural Exchange (3)

SCN 311: Nature Mindfully (3)

SCN 400: Sustainability Science for Teachers or SCN 401: Sustainability Science, Technology, and Society (3)

Notes: Teacher certification students will take SCN 400

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### Career Opportunities:

Graduates who combined the certificate in environmental education with their major program of study may become more marketable to employers. They often decide to pursue employment in educational settings such as nonprofit organizations, nature centers, museums, parks and zoos.

The environmental education certificate does not lead to teacher certification.

### Contact Information:

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu/>

## Environmental Humanities Certificate (LAENHCERT)

**Campus:** Tempe

### **Description:**

The environmental humanities certificate is for students who are interested in humanities-based approaches to the current global environmental crisis, a vital area of study.

Courses are focused on the human relationship to the environment and the relationship between nature and culture. To gain practical experience, students also complete an internship in environmental activism, policy development, education or another pertinent area.

ASU's Department of English has an extensive internship program, offering placements in publishing, media and marketing, government, nonprofits and film festivals. The department also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

### **Program Requirements:**

The environmental humanities certificate consists of 15 hours. At least 12 credit hours must be completed at the upper-division level, with a minimum of six upper-division credit hours from courses offered by the Department of English in The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Required Courses (choose one) -- 3 credit hours

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)

ENG 371: Rhetoric of the Environmental Movement (3)

ENG 378: Environmental Creative Nonfiction (L or HU) (3)

Internship or Independent Study -- 3 credit hours

ENG 484: Environmental Humanities Certificate or ENG 499: Individualized Instruction (3)

Elective Courses (choose three) -- 9 credit hours

ASB 326: Human Impacts on Ancient Environments (SB & H) (3)

ASB 370 / SOS 370: Ethics of Eating (L or SB) (3)

BIO 324 / PHI 310: Environmental Ethics (HU) (3)

ENG 334: The American Southwest in Literature and Film ((L or HU) & C) (3)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)

ENG 371: Rhetoric of the Environmental Movement (3)

ENG 378: Environmental Creative Nonfiction (L or HU) (3)

ENG 468: Environmental Literary Criticism (L or HU) (3)

HST 342: U.S. West 20th Century (SB & H) (3)

HST 345: Environmental History (L) (3)

JUS 332: Politics of Energy Policy and Justice (3)

JUS 444: Environment and Justice (L & C) (3)

PSY 306: Environmental Psychology (SB) (3)

REL 349: Nature, Sustainability and Religion (3)

SGS 330: Globalization and the Environment: Problems and Solutions (3)

SOC 331: Environmental Sociology (SB & G) (3)

SOS 110: Sustainable World (SB) (3)

SOS 320: Society and Sustainability (L or SB) (3)

SOS 370 / ASB 370: Ethics of Eating (L or SB) (3)

Other courses may be used by approval of an academic advisor in the Department of English.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

For more information about the environmental humanities certificate, students should contact an advisor in the Department of English.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Career Opportunities:**

The certificate provides students with a multidisciplinary knowledge base and practical skill set to enact social and environmental change. Students who complete this certificate are well-prepared for careers in sustainability, environmental science and public policy and are better equipped to implement environmentally-responsible practices into their own lives. Advanced degrees or certifications may be required for academic or clinical positions.

### **Contact Information:**

Liberal Arts and Sciences, The College of

Department of English

<https://english.asu.edu/admission/undergraduate-admission/environmental-humanities-certificate>

RBHL 170

[englishadvising@asu.edu](mailto:englishadvising@asu.edu)

480-965-3168

## **Environmental Humanities Certificate (LSEHCERT)**

**Campus:** Polytechnic

### **Description:**

The environmental humanities certificate program offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus on this vital area of study. Students take courses and electives from selected programs focused on the human relationship to the environment and the relationship between nature and culture.

### **Program Requirements:**

This certificate is comprised of 24 credit hours, including at least 12 credit hours of upper-division. Six credit hours must be taken from courses offered by the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

#### **Core Courses -- 12 credit hours**

Pick four ENG courses from the list below, with a minimum of at least one 400-level course:\*

ENG 334: The American Southwest in Literature and Film ((L or HU) & C) (3)

ENG 359: Indigenous American Literature ((L or HU) & C) (3)

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)

ENG 371: Rhetoric of the Environmental Movement (3)

ENG 378: Environmental Creative Nonfiction (L or HU) (3)

ENG 468: Environmental Literary Criticism (L or HU) (3)

ENG 469: Science and Literature (3)

\*Note: Other ENG courses may be approved by CISA advisors depending on special- or variable-topics courses available in given semesters.

#### **Elective Courses -- 12 credit hours**

Complete at least four additional courses for a minimum of 12 credit hours. Students must work with an academic advisor in the College of Integrative Sciences and Arts to select Elective Courses. Some courses are limited to students majoring in the discipline, have prerequisites or cannot be taken in combination with another course on the list. Additional courses may be approved by the College of Integrative Sciences and Arts advisor depending on special- or variable-topics courses available in given semesters.

ABS 360: Southwest Home Gardening (2)

ASB 326: Human Impacts on Ancient Environments (SB & H) (3)

GPH 210: Society and Environment (G) (3)

HST 280: History of Science, Ideas and Innovation (SB & G & H) (3)

HST 344: Arizona (SB & H) (3)

HST 345: Environmental History (L) (3)

IAS 409: Eco-Community Ethics (HU) (3)

JUS 444: Environment and Justice (L & C) (3)

LSC 362: The Human Environment (3)

PRM 380: Wilderness and Parks in America (SB & H) (3)

SOS 100: Introduction to Sustainability (G) (3)

TDM 480: Sustainable Tourism (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.



**Enrollment Requirements:**

The environmental humanities certificate is available to all ASU undergraduate students. Students should see an advisor for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in environmental humanities helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate often decide to pursue employment in environmental restoration planning, environmental protection or environmental communication.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Ethics Certificate (LAETHCERT)

**Campus:** Tempe

**Description:**

The ethics certificate program is designed to give students a richer understanding of systematic philosophical thinking about ethics. Students with majors in business, nursing, journalism and public administration as well as students planning to pursue legal careers, among others, may well find that training in ethics is beneficial to their career goals. The certificate program permits some flexibility regarding course selection, thereby facilitating particular student interests.

**Program Requirements:**

The certificate in ethics consists of 18 credit hours approved by an undergraduate advisor in the School of Historical, Philosophical and Religious Studies. All courses must be passed with a minimum grade of "C" (2.00 on a 4.00 scale). At least 12 credit hours must be upper-division. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences.

Core Course (choose one) -- 3 credit hours

PHI 335: History of Ethics (HU) (3)

PHI 337: Ethical Theory (HU) (3)

PHI 338: Metaethics (3)

Electives (choose five) -- 15 credit hours

PHI 105: Intro to Ethics (HU) (3)

PHI 107: Introduction to Philosophy of Sex and Love (HU) (3)

PHI 120: Introduction to Medical and Bioethics (HU) (3)

PHI 304: Existentialism (HU) (3)

PHI 306: Applied Ethics (HU) (3)

PHI 307: Philosophy of Law (HU) (3)

PHI 310: Environmental Ethics (HU) (3)

PHI 320: Bioethics (HU) (3)

PHI 324: Existential Ethics (HU) (3)

PHI 326: Philosophy of Happiness (HU) (3)

PHI 335: History of Ethics (HU) (3)

PHI 336: Social and Political Philosophy (HU) (3)

PHI 337: Ethical Theory (HU) (3)

PHI 338: Metaethics (3)

PHI 347: Philosophical Theories of Constitutional Law (3)

PHI 360: Business and Professional Ethics (HU) (3)

PHI 370: Sports Ethics (HU) (3)  
PHI 405: Moral Psychology (3)  
PHI 406: Moral Dilemmas (L or HU) (3)  
PHI 408: Feminist Ethics (HU) (3)  
PHI 409: Eco-Community Ethics (HU) (3)  
PHI 420: Disaster Ethics (3)  
PHI 420: Ethics in Plato & Aristotle (3)  
PHI 420: Feminist Philosophical Literature (3)  
PHI 420: Found-Bioethics (3)  
PHI 420: Justice (3)  
PHI 420: Medical Ethics (3)  
PHI 420: Normative Ethics (3)  
PHI 420: Stoicism (3)  
PHI 420: Topics in the Ethics of Sustainability (3)  
PHI 420: Well-Being: Philosophy of Happiness (3)

PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different. Only topics related to ethics will apply to the certificate.

One course outside the list of electives, and perhaps outside the PHI prefix, may be used with written approval of the director of undergraduate studies.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Incompatible Majors: BA in philosophy (morality, politics and law)

Students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies to declare the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

An undergraduate certificate can advance students' career options.

Students become more marketable to employers when they complement their major program of study with this specialization in ethics. The certificate demonstrates analytical, reasoning and writing skills, and it demonstrates competence in areas of increasing concern to employers, such as ethics, public policy and justice.

Students who complete the ethics certificate often decide to pursue careers in business, law, policy or politics. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/certificate/certificate-ethics-certificate>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## **Ethnic Studies Certificate (ASETHCERT)**

**Campus:** West

#### **Description:**

The certificate program in ethnic studies explores the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas. The coursework combines topics in the humanities, arts and social sciences, and instruction is given on methods to critically analyze racial, ethnic, gender and sexual identities, transnational movements, and diverse forms of cultural, literary and political expression.

The certificate in ethnic studies is recommended for graduate students, nondegree students and students majoring in professional programs, and it is offered by the School of Humanities, Arts and Cultural Studies.

#### **Program Requirements:**

The certificate in ethnic studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Up to six credit hours may be shared between a major and the certificate. Up to three credit hours of individualized instruction may be applied toward the certificate. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. All courses in the certificate must be passed with a minimum grade of "C" (2.00).

Required Courses -- 6 credit hours

ETH 100: Ethnic and Indigenous Lives (SB & C) (3)

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Upper-Division Electives -- 12 credit hours

ENG 420 / IAS 420: Multicultural Autobiographies ((L or HU) & C) (3)

ENG 462: Africana Literature (HU & G) (3)

ENG 463: African American Literature (3)

ENG 476: Studies in Folklore (3)

ETH 353 / ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

ETH 354 / ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)

ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)

ETH 428 / AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)

ETH 430 / WST 430: Gender on the Borderlands (SB & G) (3)

ETH 433 / WST 433: Race and Sexualities in Social Justice Movements (3)

ETH 450: Latina/os, Schooling and Social Inequality (C) (3)

ETH 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

ETH 499: Individualized Instruction (3)

HST 419: 20th Century Chicano/a History (C) (3)

SBS 301: Cultural Diversity ((L or SB) & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the certificate is added to the student's program of study.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

This program prepares students for careers or graduate school in a variety of fields, including business, health care, criminal justice, social services, education, public relations, community development, public policy and government. Potential careers include community health worker, social and community service manager, secondary and high school teacher and journalist.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/ethnic-studies-certificate>

FAB N100

harc sadvising@asu.edu

602-543-3000

## **European Studies Certificate (LAESCERT)**

**Campus:** Tempe

#### **Description:**

The European studies certificate provides a broad overview of the European countries, from their natural environment to their cultural, demographic, economic and political aspects. The pressing issues facing Europe today reveal both its tremendous diversity and the globalizing elements that invite investigation.

This certificate, a transdisciplinary collaboration involving several faculties of the School of International Letters and Cultures and other ASU faculty engaged in the study of Europe, serves a diverse population of students who would like to enhance their knowledge of European cultures for both academic and professional purposes.

This program focuses on the interconnectedness of knowledge involving European cultures, politics, religions, ethnicities, social-economic justice and sustainable solutions to old and new challenges and divisions in today's Europe. It also develops students' ability to analyze the historical development of the region and its exchanges with other world cultures. Students analyze what it meant to be European in the past and what it means today and how that knowledge can be applied to contemporary political and cultural debates as well as to professional opportunities in the region.

#### **Program Requirements:**

The certificate requires 15 credit hours of upper-division coursework. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Core Course -- 6 credit hours

GCU 325: Geography of Europe (SB & G) or POS 352: European Democracies (3)

SLC 429 / ENG 429 / THE 429: What is Europe? ((L or HU) & G & H) (3)

Elective Courses (choose two) -- 6 credit hours

FRE 321: French Cultural Masterpieces I ((L or HU) & H) (3)

FRE 322: French Cultural Masterpieces II (L or HU) (3)

FRE 414 / ITA 414 / SLC 414: French and Italian Popular Culture ((L or HU) & G) (3)

FRE 415: French Civilization I (HU) (3)

FRE 416: French Civilization II (HU & G) (3)

FRE 494 / ITA 494: Paris & Florence in the Middle Ages (1100-1500) or SLC 494: Paris and Florence in the Middle Ages (1100-1500) (3)

GCU 325: Geography of Europe (SB & G) (3)

GCU 426: Geography of Russia and Surroundings (SB & G) (3)

GER 416: German Civilization (HU & H & G) (3)

GER 422: German Literature Survey, 1800-Today (L or HU) (3)

GER 445 / FMS 445: The Holocaust in German-Mediated Memory (3)

GER 446: Weimar-Era German Film (3)

GER 447 / SLC 447: German Modernism (3)

GRK 344 / LAT 344 / SLC 344: Classics and Comics (HU) (3)

GRK 347 / HST 347 / SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) (3)

GRK 360 / LAT 360 / SLC 360 / HST 397: Greece and Rome at War (3)

GRK 362 / SLC 362 / REL 360: Ancient Greek Religion (3)

HST 304 / JST 304: Studies in European History (3)

HST 351: Renaissance Europe ((L or HU or SB) & H) (3)

HST 352: Europe's Reformations ((L or HU or SB) & H) (3)

HST 353: Old Regime in Europe (SB & H) (3)

HST 354: Revolutionary Europe (SB & H) (3)

HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)

HST 356: Europe since 1945 (SB & G & H) (3)

HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)

HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) (3)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H) (3)

HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H) (3)

HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)

HST 368: Culture and Imagination in European History (HU & H) (3)

HST 370: Eastern Europe in Transition (SB & G & H) (3)

HST 373 / LAT 373 / SLC 373: Roman History I: Foundations and Republic (3)

HST 374 / LAT 374 / SLC 374: Roman History II: The Roman Empire (3)

HST 427: French Revolution/Napoleonic Era (SB & H) (3)

HST 429: Modern Germany (SB & G & H) (3)

HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)

HST 465: Women in Europe, 1750 to Present ((HU or SB) & H) (3)

HST 495: Holocaust (L) (3)

ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G) (3)

ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H) (3)

ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)  
ITA 350 / SLC 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)  
ITA 423 / SLC 423: Italian Organized Crime in Films and History ((L or HU) & G) (3)  
POS 352: European Democracies (3)  
POS 356: European Union (SB & G) (3)  
REL 312: History and Memory of the Holocaust (3)  
REL 377: Religion in Russia (HU & H) (3)  
REL 382: Magick, Religion and Science (L or HU) (3)  
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)  
RUS 430: Russian Short Story (L or HU) (3)  
RUS 440: Russian Mass Media (G) (3)  
SLC 442 / ROM 442: Dracula and Vampire Lore ((L or HU) & G & H) (3)  
SPA 425: Foundational Texts of Spain (L or HU) (3)  
SPA 426: Literature and Society in Modern Spain (HU) (3)  
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

Capstone Experience (choose one) -- 3 credit hours

Upper Division Capstone Elective (3)

Students select Capstone Experience from list below in consultation with the European studies certificate faculty coordinator and academic advisor.

Students may use credit earned on a study abroad program in a European country. Placement of the credit must be reviewed and approved by the European studies certificate faculty coordinator and the academic advisor.

Independent Study with Area Expert

FRE 499: Individualized Instruction (3)

GER 499: Individualized Instruction (3)

ITA 499: Individualized Instruction (3)

ROM 499: Individualized Instruction (3)

RUS 499: Individualized Instruction (3)

SLC 499: Individualized Instruction (3)

SPA 499: Individualized Instruction (3)

Internship

FRE 484: Internship (3)

GER 484: Internship (3)

ITA 484: Internship (3)

RUS 484: Internship (3)

SLC 484: Internship (3)

SPA 484: Internship (3)

Professional Seminar

SLC 498: Pro-Seminar (3)

SPA 498: Pro-Seminar (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in European studies with their major program of study may become more marketable to employers. They often decide to pursue employment in education, political analysis, tourism and hospitality or marketing.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/>

## Evolutionary Medicine Certificate (LAEVMDCERT)

**Campus:** Tempe, Online

### **Description:**

With rising need for health science-related skills and an aging population in the United States, innovations in health and medicine are in demand. Evolutionary medicine is a new and burgeoning field situated between the life and social sciences that seeks to integrate the fields of evolutionary biology, genetics, medicine, global health and public health to transform our understanding of disease and improve human health.

In this certificate program, students learn how to integrate perspectives from across fields to answer questions about health and disease in the context of human life history. They are introduced to integrated approaches within the biological and social sciences that are capable of address an emerging, anticipated public need such as reemerging infectious disease, challenges with vaccines, the expansion of chronic disease and other growing public health crises.

### **Program Requirements:**

The certificate in evolutionary medicine consists of 15 credit hours, at least 12 of which must be upper-division. All 15 credit hours must be completed at ASU.

#### Required Courses -- 6 credit hours

ASM 403 / BIO 403: Evolutionary Medicine and Global Health (3)

BIO 408 / ASB 408: Advanced Evolutionary Medicine (3)

#### Electives -- 9 credit hours

A minimum of six credit hours of electives must be upper-division.

ASB 250 / BIO 250: Introduction to Evolution and Medicine (SB & G) (3)

ASB 462: Medical Anthropology: Culture and Health (SB & C) (3)

ASB 494 / BIO 494: Maternal and Child Health (3)

ASM 246: Human Origins (SB) (3)

ASM 342 / BIO 327: Evolution of Human Behavior (3)

ASM 345: Disease and Human Evolution (3)

ASM 394 / BIO 394: Ecology and Evolution of Infectious Diseases (3)

ASM 401: Health and Human Biology (3)

ASM 446 / BIO 446: Principles of Human Genetics (L) (3)

ASM 456: Infectious Disease and Human Evolution (3)

ASM 494 / BIO 494: Evolution and Mental Disorders (3)

BIO 302: Cancer--Mother of All Diseases (L) (3)

BIO 318 / HPS 331: History of Medicine (HU & H) (3)

BIO 345: Evolution (3)

BIO 394 / PSY 394: Introduction to Evolutionary Psychology (3)

BIO 440 / MBB 440: Functional Genomics (3)

BIO 462: Endocrine Physiology (3)

MBB 445 / MIC 445: Techniques in Molecular Biology/Genetics (3)

MIC 205: Microbiology (SG) or MIC 220: Biology of Microorganisms (3)

MIC 314: HIV/AIDS: Science, Behavior, and Society (3)

MIC 425: Advanced Immunology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/minors/>)

**Career Opportunities:**

Graduates who have combined the certificate in evolutionary medicine with their major program of study may become more marketable to employers. They often decide to pursue employment in evolutionary biology, genetics, medicine, global health or public health.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu>  
LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
480-727-6277

## Family Communication Certificate (ASFAMCCERT)

**Campus:** West

**Description:**

The certificate program in family communication focuses on issues affecting communication in the family and complements the current communication program by bringing together an array of courses that have implications for the family unit, such as courses in new media and health. Students are encouraged to also take courses in other disciplines that complement family-related communication courses.

This program is offered by the School of Social and Behavioral Sciences.

**Program Requirements:**

The certificate in family communication consists of 19 credit hours (a minimum of 12 credit hours must be upper division). Six upper-division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. Six credit hours may be shared with major requirements. Four courses must be selected from at least two content areas listed. The courses listed are suggested and actual courses should be selected in conjunction with an academic advisor. A one credit hour exit portfolio is required and may be taken after a minimum of 12 hours toward the certificate has been completed. All courses used to satisfy requirements for the certificate must be passed with a "C" or better.

Required Courses -- 6 credit hours

COM 312: Communication, Conflict, and Negotiation or COM 410: Interpersonal Communication Theory and Research (SB) or COM 417: Communication and Aging (3)  
COM 411: Communication in the Family (SB) (3)

Content Area Courses -- 12 credit hours

Content Area course (6)

Upper Division Content Area course (6)

Select four courses from at least two content areas. At least six hours must be upper-division. A minimum six credit hours must be in non-COM courses. Listed courses are suggestions; courses for the certificate should be selected in conjunction with the certificate advisor.

Social and Cultural Elements of the Family

AFR 370: Family Ethnic and Cultural Diversity (SB & C) (3)

ASB 346: Marriage and Family Diversity (SB & C) (3)

ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)

COM 310: Relational Communication (SB) (3)

COM 316: Gender and Communication (SB & C) (3)

COM 410: Interpersonal Communication Theory and Research (SB) (3)

COM 432: Forgiveness and Reconciliation (3)

FAS 301: Introduction to Parenting (3)

FAS 331: Marriage and Family Relationships (SB) (3)

FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)

FAS 435: Advanced Marriage and Family Relationships (L or SB) (3)

PSY 385: Psychology of Gender (SB) (3)

SOC 315: Courtship and Marriage (SB) (3)

SOC 415: The Family (SB) (3)

Health and Family Development

CDE 430: Infant/Toddler Development in the Family (SB) (3)

COM 417: Communication and Aging (3)

CRJ 204: Juvenile Justice (3)

FAS 332: Human Sexuality (SB) (3)  
FAS 436: Sexuality in Mid-Life and Beyond (3)  
PSY 341: Developmental Psychology (SB) (3)  
PSY 443: Abnormal Child Psychology (L or SB) (3)  
PSY 444: Adolescent Psychology and Psychopathology (3)  
PSY 447: Psychology of Aging (SB) (3)  
SOC 312: Adolescence (SB) (3)

#### Technology, Media and the Family

COM 416: Gender and Race in the Media (3)  
COM 424: Television Studies and Criticism (3)  
COM 457: New Media (3)  
COM 471: Global Media and Cultural Identity (G) (3)  
ENG 244: Introduction to Researching Family History (3)  
MCO 473: Sex, Love, and Romance in the Mass Media (SB) (3)

#### Community Application

COM 314: Inner-City Families: The Cycle of Poverty (3)  
COM 484: Internship (3)

#### Family Communication Portfolio -- 1 credit hours

COM 498: Family Communication Portfolio (1)

Notes: The communication portfolio is a synthesis of the student's family communication academic experience. The portfolio itself integrates each student's experience with theory and concepts from coursework. The portfolio may take a variety of forms, to be negotiated by each student and the instructor. This course is to be taken after a minimum of 12 credit hours toward the certificate have been completed.

Listed courses are suggestions; courses for the certificate should be selected in conjunction with the certificate advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate in family communication is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Social and Behavioral Sciences to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

This is a valuable certificate for students planning to enter careers or graduate study in fields like psychology, counseling, family studies, social work, medicine or nursing, law, aging, pastoral care, human services, media or communication technology.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/family-communication-certificate>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## **Field Geology Certificate (LAFDGCERT)**

**Campus:** Tempe

#### **Description:**

The certificate program in field geology prepares undergraduate students with the core knowledge base and field experience to identify, describe, collect and interpret a variety of types of geological field data.

#### **Program Requirements:**



The certificate requires a minimum of 15 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least nine credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Required Courses -- 9 credit hours

GLG 310: Structural Geology (3)

GLG 452: Field Geology II (L) (3)

GLG 455: Advanced Field Geology (3)

Electives (choose two) -- 6 credit hours

GLG 362: Geomorphology (3)

GLG 420: Volcanology (3)

GLG 424: Petrology (3)

GLG 435: Sedimentology and Stratigraphy (3)

GLG 489: Field Geochemistry (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Courses not completed at ASU must be approved for use in this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Additional enrollment requirements include completion of the following courses or their equivalencies with a "C" or better (scale is 4.00 = "A"):

GLG 101 Introduction to Geology I (Physical) and GLG 103 Introduction to Geology I Lab or  
SES 121 Earth, Solar System and Universe and SES 123 Earth, Solar System and Universe Lab  
AND GLG 321 Mineralogy and GLG 451 Field Geology I.

### **Career Opportunities:**

Students who complete this undergraduate certificate possess a strong field-based background, required for many entry-level jobs in resource mining, geotechnical and environmental consulting companies. It also is a strong asset for acceptance into many graduate research programs in the earth sciences.

Career opportunities include:

- geologic materials technician
- geologic sample test technician
- geoscientists
- geotechnician
- mining and geological engineers

Sample career settings include:

- environmental industry
- geotechnical industry
- mining and petroleum industries

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration

<https://sese.asu.edu/>

ISTB4 795

[sese-advising@asu.edu](mailto:sese-advising@asu.edu)

480-965-5081

## **Film and Video Studies Certificate (ASVIDCERT)**

**Campus:** West

**Description:**

In the certificate program in film and video studies, students explore film theory and the practice of the moving image, and they have an opportunity in this interdisciplinary program to develop their interests, skills and understanding of the forms, channels, technologies and histories of the media arts.

Coursework helps students become more astute critics of film and media arts. They learn about the history of film, television and video arts as well as their place in social, cultural and political expression. Students also strengthen their critical thinking skills through an analysis of the ongoing philosophical, aesthetic, political and technological debates about film, media and video.

**Program Requirements:**

The certificate in film and video studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students choose a focus in either film studies, or media and video studies. The film studies emphasis focuses on the impact of film and video. The media and video studies emphasis is concerned with the rendering of film and video. All courses used to satisfy the requirements for this certificate must be passed with a minimum grade of "C" (2.00) or better.

Core Requirement -- 3 credit hours

IAP 201: Introduction to Interdisciplinary Arts (HU) (3)

Foundation Requirement -- 3 credit hours

IAP 103: Foundations I: Interdisciplinary Art Practice (3)

**Emphasis Tracks**

Film Studies Emphasis - students will choose six credit hours from the Applied/Practical course list and three credit hours from the Theoretical, Conceptual and Historical course list.

Media and Video Studies Emphasis - students will choose nine credit hours from the Theoretical, Critical, Performance and/or Production course list.

Film Studies Emphasis: Applied/Practical Courses (choose two courses) -- 6 credit hours

COM 429: Semiotics and Visual Communication (3)

IAP 322: Multitrack Digital Recording (3)

IAP 361: Digital Editing and Media Literacy (CS) (3)

IAP 364: Documentaries (3)

IAP 394: Acting for the Camera (3)

IAP 466: Digital Interactivity, Advanced (3)

IAP 467: Acoustic Ecology (3)

IAP 474: Art and Film (L or HU) (3)

Film Studies Emphasis: Theoretical, Conceptual and Historical Courses (choose one course) -- 3 credit hours

ENG 365: History of Film (HU) (3)

IAP 364: Documentaries (3)

IAP 465: Media Technologies and the Arts (3)

IAP 473: Aesthetic Research (L or HU) (3)

Media and Video Studies Emphasis: Theoretical, Critical, Performance and/or Production Courses (choose three courses) -- 9 credit hours

COM 429: Semiotics and Visual Communication (3)

ENG 365: History of Film (HU) (3)

IAP 334: Conceptual Development in the Arts (3)

IAP 361: Digital Editing and Media Literacy (CS) (3)

IAP 363: Sound, Image, and Media (3)

IAP 364: Documentaries (3)

IAP 365: Digital Interactivity (3)

IAP 394: Acting for the Camera (3)

IAP 465: Media Technologies and the Arts (3)

IAP 466: Digital Interactivity, Advanced (3)

IAP 467: Acoustic Ecology (3)

IAP 469: Advanced Audio Production (3)

IAP 473: Aesthetic Research (L or HU) (3)

IAP 474: Art and Film (L or HU) (3)

Capstone -- 3 credit hours

IAP 480: Art as Praxis: From Conceptualization to Production (3)

The project should reflect the integration of coursework with creative initiative to generate a product that stands alone as a piece of original work. For the Film Studies Emphasis, the project will focus on an intellectual analysis of some dimension of film products, reception, institutions, economics, and so forth.

For the Media and Video Studies Emphasis, the project may be intellectual or creative (performance or production) in nature. Projects will be examined and evaluated by at least one faculty member involved in the film and video studies certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate in film and video studies is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

The certificate in film and video studies helps students prepare for careers such as editors, art directors, video producers and directors, video and interdisciplinary project directors, and digital media specialists in areas such as video and film production, film studies, media studies or digital design. The valuable skills students gain through the program also prepare them for graduate study.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/film-and-video-studies-certificate>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## **Food Industry Management and Marketing Certificate (BAFIMMCERT)**

**Campus:** Polytechnic

#### **Description:**

The certificate program in food industry management and marketing allows business and nonbusiness students the opportunity to acquire specialized business skills, providing them with a competitive advantage for employment with firms and agencies that operate within the global food industry.

The certificate program explores the role that consumers' food choices and purchases play in the allocation of resources throughout the food chain, from farm to retail.

Upon completion of the program, students have a deep understanding of the business, economic and market environments of the global food industry, with particular emphasis on food marketing and distribution.

#### **Program Requirements:**

The food industry management and marketing certificate requires 15 credit hours to complete and is available to all majors. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better. No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Course -- 3 credit hours

AGB 250: Economics of Resource Allocation: Food and Agriculture or AGB 302: International Management and Agribusiness (G) (3)

Required Marketing Course (choose one) -- 3 credit hours

MKT 300: Marketing and Business Performance (3)

MKT 302: Applied Marketing Management and Leadership (L) (3)

MKT 303: Honors Marketing Theory and Practice (L) (3)

MKT 390: Essentials of Marketing (3)

Electives (choose three) -- 9 credit hours

AGB 100: Introduction to Agribusiness (3)

AGB 394: Current Topics in Food Retailing (3)

AGB 414: Food and Agribusiness Policy Issues (L) (3)

AGB 420: Food Advertising and Promotion (3)

AGB 425: Food Supply Networks (3)

AGB 435: Commodity Futures and Options Markets (3)

AGB 445: Food Retailing (3)

AGB 452: Global Food and Agricultural Trade (3)

AGB 456: Food Product Innovation and Development (3)

AGB 481: Strategic Pricing in Food Markets (3)

AGB 494: NAMA Marketing Plan (3)

BUS 424: Sales and Negotiations (3)

BUS 434: Business Risk Management (3)

TGM 460: Global Risk Assessment and Management (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

The program is offered at ASU's Polytechnic campus, but students may choose to take the entire certificate in iCourse format.

#### **Enrollment Requirements:**

Students majoring in food industry management are not eligible to pursue this certificate. All other majors can access and submit the certificate application online at Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

No more than six credit hours may be shared between certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in food industry management and marketing helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate often decide to pursue employment in management, marketing, and sales. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Business, W. P. Carey School of

Morrison School of Agribusiness

<https://wpcarey.asu.edu/undergraduate-degrees/programs>

SANTN 230F

wpcarey.morrison@asu.edu

480-727-1586

## **Geographic Information Science Certificate (LAGISCERT)**

**Campus:** Tempe, Online

#### **Description:**

Geographic information science is one of the fastest growing segments of the economy, and employment possibilities can be found across the private sector as well as in many government agencies.

The geographic information science undergraduate certificate program pairs the practical skill of geographic information science with the conceptual knowledge of geographical problem-solving and of spatial thinking.

#### **Program Requirements:**

The certificate requires 20 credit hours with a grade of "C" (2.00 on a 4.00 scale) or higher. At least 12 of the 20 credit hours must be upper-division.

Geographic Information Science Core -- 11 credit hours

GIS 205: Geographic Information Science I (CS) (3)

GIS 211: Geographic Information Science II (CS) (4)

GIS 311: Geographic Information Science III (CS) (4)

Upper Division GIS Elective Courses -- 6 credit hours

GIS Upper Division Elective (6)

Upper Division Related Coursework -- 3 credit hours

GCU OR GIS OR GPH OR PUP OR CEE OR CSE OR EEE OR EGR OR FSE OR IEE Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The BS in geographic information science is incompatible with this certificate program.

This certificate is available through the Pathways for the Future program: <https://pff.asu.edu/> (<https://pff.asu.edu/>). Applicants without a bachelor's degree are eligible to apply for, and receive, this certificate through the Pathways for the Futures program. Applicants who already hold a bachelor's degree should apply to ASU and this certificate program as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/geographic-information-science-undergraduate-certificate/>)

#### **Career Opportunities:**

Students who pair this geographic information science certificate with their degree program have added to their knowledge and abilities highly desirable skills in statistics, computer programming, analysis and problem-solving. Application of these skills can be used in local, state and national governments, utilities, health organizations, nonprofits, real estate, retail and many others.

#### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Geographical Sciences and Urban Planning

<https://sgsup.asu.edu/degree-programs/undergraduate-minors-and-certificates/geographic-information-science>

COOR 5681

SGSUP.advising@asu.edu

480-965-7533

## **Global Management Certificate (TBTGMCERT)**

**Campus:** Downtown Phoenix, West

#### **Description:**

Research from McKinsey and Company, a highly respected consulting firm, indicates that in the near future, almost 40% of the growth globally will result from just 400 cities in emerging markets around the world. This certificate program in global management provides broad-based training in global business and global studies that helps prepare students for a global management career. It offers unique courses that integrate an in-depth understanding of the political, economic and cultural aspects of doing business in specific regions with tools to assess business trends in specific countries.

Thunderbird School of Global Management has produced unique leaders for more than 70 years. Home to the BGM and BS in international trade, the school's innovative and practical curriculum complements a strong core of global business management skills, international political economy and cross-cultural training, with a transdisciplinary approach. The alumni network has over 45,000 graduates across 170 chapters around the globe.

#### **Program Requirements:**

The global management certificate requires 18 credit hours as outlined below, with a minimum of 12 upper-division credits. Students are encouraged to take courses that develop breadth within their sector rather than limiting their selection to courses in one particular subject area.

Required Course -- 3 credit hours

TGM 101: Principles of Global Management (G) (3)

It is recommended that students take TGM 101 prior to or concurrently with other TGM courses.

Electives -- 15 credit hours

TGM 204: Principles of Marketing for Global Organizations (3)

TGM 300: Principles of Finance for Global Organizations (3)

TGM 310: Supply Chain Operations for Global Organizations (3)

TGM 312: Big Data in the Global Economy (3)

TGM 353: Regional Management Environment (G) (3)

TGM 468: States and Markets in a Global Economy (SB & G) (3)

TGM 478: Cross-Cultural Communication and Negotiation (3)

TGM 487: Global Entrepreneurship (3)

TGM 489: Multinational Organizational Leadership (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Study abroad or international experience is encouraged but not required. Consider ASU Study Abroad (<https://studyabroad.asu.edu/>) opportunities.

#### **Enrollment Requirements:**

Incompatible Majors: BGM in global management; BS in international trade.

No more than six credit hours may be shared between certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

The certificate application (<https://students.asu.edu/forms/undergraduate-certificate> (<https://students.asu.edu/forms/undergraduate-certificate>)) may be submitted to [ugadvising@thunderbird.asu.edu](mailto:ugadvising@thunderbird.asu.edu) (<mailto:ugadvising@thunderbird.asu.edu>).

#### **Career Opportunities:**

Graduates who have combined the certificate in global management with their major program of study may become more marketable to employers. They often decide to pursue employment in corporations, governments or nonprofits.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Global Management, Thunderbird School of

Thunderbird School of Global Management

<https://thunderbird.asu.edu>

FAB N290

[ugadvising@thunderbird.asu.edu](mailto:ugadvising@thunderbird.asu.edu)

602-543-0029

## **Globalization and Culture Certificate (LAGLCCERT)**

**Campus:** Tempe

#### **Description:**

The globalization and culture certificate program offers students the opportunity to increase their understanding of the cultural dimensions of globalization, in the context of economic, political and social changes in the world today.

The program provides an interdisciplinary approach to understanding the phenomenon of globalization, including the historical, political, cultural and social forces that shape contemporary globalized society. This certificate program draws on courses from several colleges and academic units and emphasizes studies related to the history and culture of globalization, conflict and contact between regions of the world, and questions related to language and identity.

#### **Program Requirements:**

The certificate requires a minimum of 18 credit hours, of which at least 12 credit hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Core Course (choose one) -- 3 credit hours

SGS 360: Cultural Aspects of Globalization (3)

SLC 425: Globalization: From Colonialism to Climate Change (HU & G) (3)

Culture Course Elective (choose one) -- 3 credit hours

ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)

SLC 120 / CHI 120: Introduction to Chinese Culture (L or HU) (3)

SLC 321 / KOR 321: Modern Korean Literature (HU) (3)

SLC 331 / ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)

SLC 333 / CHI 333 / HST 383: China (SB & H) (3)

SLC 347 / ENG 347 / HEB 347 / JST 347: Modern Israeli Literature in Translation (HU & G) (3)

SLC 348 / HEB 348 / JST 348: Israeli Society and Culture (HU & G) (3)

SLC 414: French and Italian Popular Culture ((L or HU) & G) (3)

SLC 415: Korean Popular Culture (HU & G) (3)

SLC 421: Japanese Literature in Translation ((L or HU) & G) (3)

SLC 429: What is Europe? ((L or HU) & G & H) or ENG 429: Studies in European Literature and Culture ((L or HU) & G & H) or THE 429: Staging Politics in Modern Europe ((L or HU) & G & H) (3)

SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) (3)

SLC 445 / FMS 445 / GER 445 / JST 445: The Holocaust in German-Mediated Memory (3)

SLC 446 / FMS 446 / GER 446: Weimar-Era German Film (3)

SLC 447 / GER 447: German Modernism (3)

SLC 451 / CHI 451 / HST 451: Chinese Cultural History I ((HU or SB) & H) (3)

SLC 452 / CHI 452 / HST 452: Chinese Cultural History II (SB & G & H) (3)

SLC 455 / GER 455: Berlin: Migration, Arts and Activism (G) (3)

SLC 457 / KOR 457: Premodern Korea in a Global Context (HU) (3)

SLC 465 / GER 465: Intercultural Communicative Competence (3)

SLC 475 / FMS 475 / SPA 475 / THE 475: Latin American Film ((L or HU) & G) (3)

Politics and Globalization Electives (choose two) -- 6 credit hours

HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)

JUS 325 / SGS 325: Globalization and Socio-Economic Justice (SB & G) (3)

POS 352: European Democracies (3)

POS 353: Comparative Politics of the Middle East (3)

POS 356: European Union (SB & G) (3)

POS 357: South Asia Politics (SB & G) (3)

POS 358: Southeast Asia (SB & G) (3)

POS 359: African Politics and Society (SB & G) (3)

POS 367: World Politics and Global Inequalities (G) (3)

POS 368: Ethics and Human Rights (3)

POS 388 / REL 388: Religion, Ethics, and International Politics (3)

POS 452: China (SB & G) (3)

POS 453: Latin America (SB & G) (3)

POS 454: Mexico (SB & G) (3)

POS 465: International Organization and Law (SB & G) (3)

REL 107 / SGS 107: Religion and Globalization (HU & G) (3)

REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)

SGS 303: Global Trends (SB & G) (3)

SGS 330: Globalization and the Environment: Problems and Solutions (3)

Culture and Globalization Related Area (choose one) -- 3 credit hours

ASB 378 / TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) (3)

ENG 435: Literatures and Cultures of Immigration and Diaspora (3)

GCU 241: The Global Economy in Transition (SB & G) (3)

GCU 323: Geography of Latin America (SB & G) (3)

GCU 325: Geography of Europe (SB & G) (3)

GCU 328: Geography of Middle East and North Africa (SB & G) (3)

GCU 350: The Geography of World Crises (SB & G) (3)

GCU 432: Geography of China (SB & G) (3)

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)

Upper-Division Foreign Language Elective -- 3 credit hours

In consultation with an academic advisor in the School of International Letters and Cultures, students choose a target language appropriate to their course of study. Students must complete one upper-division language course in the target language for which 202 or the fourth semester level of

the language is a prerequisite.

ARB OR BCS OR CHI OR FRE OR GER OR GRK OR HEB OR HIN OR ITA OR IDN OR JPN OR KOR OR LAT OR PLC OR POR OR RUS OR SPA OR VTN Upper Division Elective (3)

Notes: Some upper-division language courses are more than 3 credits. Other languages may be used with the approval of an academic advisor in the School of International Letters and Cultures.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in globalization and culture with their major program of study may be more marketable to employers. They often decide to pursue employment in education, political analysis, the military, tourism and hospitality or marketing.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## **Hazardous Materials and Waste Management Certificate (TSETMCERT)**

**Campus:** Polytechnic

#### **Description:**

The certificate program in hazardous materials and waste management is designed to provide current and prospective employees of industry and government with a comprehensive and practical curriculum of study in hazardous materials management. The certificate program features instruction by faculty, attorneys and professionals who work in the specific area in which they teach.

Students enrolled in this certificate program are offered several industry-required courses by the Environmental and Resources Management professional development program targeted to environmental professionals who engage in management and transportation of hazardous materials and waste: the OSHA mandated 40 hour Hazardous Waste Operations and Emergency Response course; the 16 hour Initial Hazardous Materials Transportation Certification course; and the corresponding eight-hour refresher courses. To support their professional development, these training courses are provided for certificate students at less than 15% of the actual cost.

#### **Program Requirements:**

The certificate in hazardous materials and waste management requires 18 hours. Students must complete six selected courses (four required and two electives) and earn a grade of "C" (2.00 on a scale of 4.00) or higher to receive the certificate.

Core Courses -- 12 credit hours

ERM 203: Environmental Regulations (3)

ERM 401: Hazardous Waste Management (3)

ERM 406: Environmental Chemistry (3)

ERM 407: Occupational Hygiene (3)

Elective Courses -- 6 credit hours

ERM 402 (<https://webapp4.asu.edu/catalog/courselist?s=ERM&l=300-399&t=2217&hon=F>) > ERM 3\*\* Elective or ERM 4\*\* Elective (ERM 432 recommended) (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.



**Enrollment Requirements:**

The certificate in hazardous materials and waste management is available to all ASU students in good standing except those pursuing any program in environmental and resource management.

To add the certificate in hazardous materials and waste management, a student must hold, at minimum, junior status and have a minimum cumulative GPA of 2.00.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/TSETMCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/TSETMCERT/Gedt.pdf>).

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/erm/>  
WANER 230  
polyadvising@asu.edu  
480-727-1874

## Health Care Policy and Delivery Certificate (NHHCPDCERT)

**Campus:** Downtown Phoenix

**Description:**

The certificate program in health care policy and delivery provides students an overview of principles related to health systems, management and program oversight in health care settings.

The curriculum focuses on the business of medicine, administration, leadership and policy. Students have the option of selecting an internship course to enhance their application of core concepts.

Those who complete the program and earn the certificate have broadened and expanded their competitiveness for employment and postgraduate degree programs.

**Program Requirements:**

Required Courses -- 15 credit hours

HCD 302: Health Care Management (3)  
HCD 330: Health Care Systems in the U.S. (3)  
HCD 332: Population Health Policy and Legislation (3)  
HCD 402: Health Economics (3)  
HCD 403: Process Engineering (3)

Elective -- 3 credit hours

HCD 404: Advanced Concepts in the Science of Health Care Delivery (3)  
HCD 484: Internship (3)  
MED 450: Leadership and Professionalism (3)  
PAF 311: Leadership and Change (SB) (3)  
PAF 460: Public Service Ethics (3)  
PBH 422: Health Disparities and Access to Health (3)

In order to enroll in HCD 402 and complete the certificate, students must first complete either ECN 211, ECN 212 or HCD 201.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Incompatible Majors: BS in science of health care delivery; BS in health sciences

Students must have a minimum GPA of 2.00 in order to add the certificate, and students must earn a minimum grade of "C" in all courses for the

certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who combined the certificate in health care policy and delivery with their major program of study may be more marketable to employers.

Entry-level positions in the field include program or clinical administration, advocacy or quality improvement.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/undergraduate>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Health Education Specialist Certificate (NHHEDSCERT)

**Campus:** Downtown Phoenix

**Description:**

Students in the health education specialist certificate program gain foundational knowledge in public health education and health promotion and in competencies needed by certified health education specialists. This qualifies graduates to sit for the CHES exam offered by the National Council on Health Education Credentialing.

The CHES is a valuable and desirable credential in the health field. Health professionals with a range of specializations, from nutrition to kinesiology, have found the CHES to be a complement to their knowledge because it emphasizes effective methods for educating individuals and communities on improving health behaviors and outcomes.

More information about the CHES is available here: <https://www.nchec.org/profession> (<https://www.nchec.org/profession>)

**Program Requirements:**

Students must earn a minimum grade of "C" (2.00) in all courses in the certificate. In order to receive the certificate, students must complete their bachelor's degree at ASU along with all certificate requirements.

Required Courses -- 25 credit hours

CHS 340: Health Theory (3)

HEP 102: Foundations of Health Education and Health Promotion (3)

HEP 348: Methods of Health Education (3)

HEP 452: Health Advocacy in Health Education (3)

HEP 454: Health Promotion Program Planning and Implementation (3)

HEP 456: Health Promotion Program Evaluation (3)

HEP 466: Health Promotion Program Management and Administration (3)

HEP 476: Community Health (3)

HEP 490: CHES Exam Preparation (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Certified health education specialists often pursue careers in wellness and health promotion in such environments as:

- colleges and universities
- community health agencies
- hospitals and clinical settings
- insurance companies
- private health care organizations
- schools
- state and county health departments
- voluntary health organizations
- wellness centers
- worksite wellness and health promotion

Earning the CHES demonstrates competence and provides professionals a competitive edge in employment. Health education specialist certificate holders have a 100% pass rate on the Certified Health Education Specialist exam, compared with a national average of 70%. Additionally, employment of health educators is projected to grow much faster than the average for all occupations --- 13% between 2019 and 2029, according to the Bureau of Labor Statistics.

Master certified health education specialists are eligible to become certified diabetes educators with proper diabetes self-management practice hours.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/health-education-specialist>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Health and Wellness Coach Certificate (NHHWCCERT)

**Campus:** Downtown Phoenix, West

**Description:**

The health and wellness coach certificate brings together coursework from the disciplines of exercise and wellness, nutrition, behavioral health and coaching psychology to give students a strong background, perspective and practical experience in coaching techniques and methods used to decrease and prevent chronic disease risks.

Students learn evidence-based behavior change methodologies and practice coaching communication skills and strategies to influence sustainable healthy lifestyles. They learn to guide groups and individuals through meaningful lifestyle changes by using concepts that emphasize evidence-based coaching and behavioral practices as well as motivational interviewing techniques.

Students work with clients using learned health coaching techniques, and they develop the knowledge and skills to work with people who require lifestyle management strategies to improve their well-being. Faculty monitor coaching sessions to provide feedback on how students may improve their coaching skills, and a final practical skills evaluation is completed to assess a student's coaching ability.

**Program Requirements:**

Students must earn a grade of "C" or better in all courses used in the certificate.

Required Courses -- 21 credit hours

- CHS 340: Health Theory or NTR 350: Nutrition Counseling (3)
- EXW 335: Physical Activity and Physiological Concepts (3)
- EXW 344: Impact of Physical Activity on Health and Disease (3)
- HSC 355: Eating for Lifelong Health (SB) (3)
- HSC 440: Health Coaching Concepts and Skills (3)
- HSC 441: Applied Health Coaching Techniques (3)
- NTR 241: Human Nutrition (3)

Elective Course -- 3 credit hours

- EXW 400: Stress Management for Wellness (3)
- HCR 303: Assessing Needs, Assets and Capacity for Health Education (3)
- HCR 342: Mind-Body and Energy Therapies and Modalities (3)

HEP 241: Health Education Methods for Injury Prevention and Preparedness (3)  
HEP 251: Preventing HIV and Substance Abuse (3)  
HEP 303: Human Sexuality for Health Education (3)  
HEP 350: Substance Abuse and Addictive Behavior (3)  
HEP 361: Social Media and Marketing for Health (3)  
HEP 371: Conflict Management and Mediation and Violence Prevention (3)  
HEP 380: Body Image and Wellness (3)  
HEP 443: Emotional Health and Interpersonal Relationships (3)  
HSC 300: Complementary Health Care (3)  
NTR 345: Development of Healthy Cuisines (3)  
NTR 348: Cultural Aspects of Food (SB & C & G) (3)  
NTR 360: Nutrition Entrepreneurship (3)  
PSY 304: Effective Thinking (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students can become more marketable and advance their career options with this undergraduate certificate in health and wellness coaching that complements their major program of study. It also provides them an opportunity to seek a national certification path.

Career options include fitness and wellness coordinators, community health workers, coaches and scouts, occupational health and safety specialists, health care support workers and personal care aides.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/health-and-wellness-coach>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## History and Philosophy of Science Certificate (LAHPSCERT)

**Campus:** Tempe

**Description:**

The undergraduate certificate program in the history and philosophy of science is designed to give students an understanding of the traditional philosophical issues surrounding science and the historical development of concrete scientific theories and ideas.

Philosophical questions about how we understand nature through science and how scientific claims gain authority are enriched when they are considered in a historical context. Such philosophical and historical study also often includes the examination of contemporary sciences and their place within the larger society, including the study of bioethics, policy and law.

This certificate is a valuable addition for students in the sciences or humanities. It crosses disciplines to help students engage in unfamiliar and familiar paths of inquiry in new and interesting ways.

The program is offered by the School of Life Sciences.

**Program Requirements:**

The certificate requires 18 credit hours from the HPS and PHI subjects. At least 12 credit hours must be completed at the upper-division level and all courses counting toward the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours

PHI 314 / HPS 314: Philosophy of Science (HU) (3)

Electives (choose five) -- 15 credit hours

At least nine credit hours must be taken in upper-division HPS courses. Any upper-division HPS course may be used toward the certificate.

PHI 103: Principles of Sound Reasoning (L or HU) (<https://webapp4.asu.edu/catalog/courselist?s=HPS&l=upperdivision&t=2217&hon=F>) > HPS Upper Division Elective (9)  
(3)

PHI 310: Environmental Ethics (HU) (3)

PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)

PHI 320: Bioethics (HU) (3)

PHI 325: Philosophy of Social Science (HU or SB) (3)

PHI 328: History of Ancient Philosophy (HU & H) (3)

PHI 329: History of Modern Philosophy (HU & H) (3)

PHI 330: Theory of Knowledge (HU) (3)

PHI 331: Philosophy of Language (HU) (3)

PHI 332: Metaphysics (HU) (3)

PHI 333: Symbolic Logic (3)

PHI 334: Philosophy of Mind (HU) (3)

PHI 401: Rationalism (3)

PHI 402: Empiricism (HU) (3)

PHI 403: Contemporary Analytic Philosophy (HU) (3)

PHI 413: Advanced Symbolic Logic (3)

PHI 420: Topics in Philosophy (3)

Other elective options may be applied with the approval of an academic advisor in the School of Life Sciences.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

For more information, students should contact the School of Life Sciences.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in evolutionary medicine with their major program of study may become more marketable to employers. They often decide to pursue employment in biology, medicine, law or ethics.

Advanced degrees or certifications may be required for academic, governmental or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

## **Homeland Security Certificate (PPHSLCERT)**

**Campus:** Downtown Phoenix, Online

#### **Description:**

The 21 credit hour homeland security certificate program provides students with the skills and credentials necessary to prepare them to enter fields specializing in homeland security. Students receive extended education in topics such as domestic and international terrorism, cyber-terrorism and advanced crime.

#### **Program Requirements:**

Required Courses -- 15 credit hours

CRJ 100: Introduction to Criminal Justice (SB) (3)

CRJ 201: Criminal Justice Crime Control Policies and Practices (3)

CRJ 412: International Terrorism (3)

CRJ 417: Cyber Terrorism (3)

CRJ 419: Domestic Terrorism (3)

Elective Courses (choose two) -- 6 credit hours

CRJ 422: Violence in America (3)

CRJ 455: Police and International Terrorism (3)

CRJ 456: Etiology of Martyrdom (3)

CRJ 462: Gangs (3)

CRJ 463: White Collar Crime (3)

CRJ 464: Organized Crime (3)

A grade of "C" (2.00 on a 4.00 scale) or better is required for all coursework.

Bachelor of Science in criminology and criminal justice majors who are also pursuing the Homeland Security certificate may not use CRJ 412: International Terrorism, CRJ 417: Cyber Terrorism, CRJ 419: Domestic Terrorism, CRJ 422: Violence in America, CRJ 455: Police and International Terrorism, CRJ 456: Etiology of Martyrdom, CRJ 462: Gangs, CRJ 463: White Collar Crime, and CRJ 464: Organized Crime toward both their major and the certificate. These courses will only be used toward the certificate requirements.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

There are no additional admission requirements other than those required for admission to ASU. Students should meet with an academic advisor from the School of Criminology and Criminal Justice to formally add the certificate to their degree plan.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/undergraduate-certificate-homeland-security/>)

#### **Career Opportunities:**

Graduates of the homeland security certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) including Department of Homeland Security, U.S. Customs and Border Protection, and local and state-level law enforcement departments. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of

School of Criminology and Criminal Justice

<https://ccj.asu.edu/>

UCENT 600

SCCJAdvising@asu.edu

602-496-2356

## **Honors Business Consulting Certificate (BAECNUERT)**

**Campus:** Tempe

ASU is not currently accepting applications for this program. Students interested in business consulting should consider the leadership in business (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BALIBCERT/undergrad/true>) certificate program or the entrepreneurship and innovation (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BAKEICERT/undergrad/true>) certificate program.

#### **Description:**

This certificate program in honors business consulting is designed to enhance a student's knowledge in a major while also adding to the understanding of business strategy in a global market. The required curriculum strengthens skills in business judgment, conceptualization of strategic solutions, critical thinking and problem-solving.

**Program Requirements:**

The honors business consulting certificate consists of 15 credit hours of ASU coursework. A minimum grade of B must be achieved in each course. No more than six credit hours can be shared between this certificate and other business certificates and minors.

Business Modeling and Analysis Coursework -- 9 credit hours

WPC 494: Consulting in Business (3)

WPC 494: Consulting Projects (3)

WPC 494: Consulting Tools (3)

Honors Business Core (select two) -- 6 credit hours

FIN 303: Honors Finance (3)

MGT 303: Honors Organizational Strategies, Leadership, and Behavior (3)

MKT 303: Honors Marketing Theory and Practice (L) (3)

SCM 303: Honors Global Supply Operations (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The certificate is limited to honors students in the W. P. Carey School of Business. Students may apply for this certificate once they have completed WPC 494 Consulting in Business. The certificate application is accessed and submitted through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should contact their Leaders Academy advisor for more information.

No more than six credit hours may be shared between certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in honors business consulting with their major program of study may become more marketable to employers. They often decide to pursue employment in management, sales or marketing.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Business, W. P. Carey School of

Department of Economics

<https://wpcarey.asu.edu/undergraduate-degrees/honors-business-consulting-certificate>

MCRD 102

wpcacademy@asu.edu

480-965-8710

## Hospice and Palliative Care Certificate (NHHAPCCERT)

**Campus:** Downtown Phoenix

**Description:**

The certificate program in hospice and palliative care provides future health and health care workers with the skills and competencies they need to lead and manage chronic and end-of-life care through a variety of settings, including home health care.

Students learn from interprofessional instructors who are involved in hospice and palliative care as physicians, social workers, nurses and bereavement counselors and who work with children and adults as well as meet with palliative care and hospice patients. Students receive specialized instruction on dementia and Alzheimer's disease and learn about how these contemporary issues are burdening our health care system under its current structure.

In addition, students have the opportunity to shadow health professionals and learn about their roles through field experience. Students finish their

program of study by completing an internship at Hospice of the Valley, affording them the opportunity to help provide non-clinical care needs to patients and their families.

**Program Requirements:**

Required Courses -- 12 credit hours

MED 325: Elements of Hospice and Palliative Care (3)

MED 375: Alzheimer's and Other Dementias (SB) (3)

MED 475: Palliative Care: Managing Complex Serious Illness (3)

MED 484: Internship (3)

Notes: Directed by Dr. Gillian Hamilton at Hospice of the Valley. A minimum ASU cumulative GPA of 3.00 is required to enroll.

Elective Courses -- 6 credit hours

HSC 410: Supporting the Health of Older Adults (3)

HSC 412: Health Issues in Later Life (3)

MED 445: Prevention and Management of Chronic Disease (3)

PSY 447: Psychology of Aging (SB) (3)

SOC 400: Perspectives on Aging (SB) (3)

SOC 418: Aging and the Life Course (SB & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

This undergraduate certificate provides students with an in-depth experience in the health care setting and specialized training in hospice and palliative care. Students who wish to continue on to medical school and professional school, including dental school, pharmacy school and optometry school, can use this certificate as an additional credential with their degree in the application process.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/>

HLTHN 4th floor

chs@asu.edu

602-496-3300

## Human Rights Certificate (LAHRTSCERT)

**Campus:** Tempe

**Description:**

The certificate program in human rights provides students with historical, legal and philosophical perspectives from which to think broadly and critically about human rights issues. Coursework prepares students to design solutions to dilemmas in areas such as:

- child welfare
- economic development
- education
- environment
- health
- indigenous rights
- labor rights
- violence against women
- water and energy resources

**Program Requirements:**



Students must complete 18 credit hours of qualifying coursework, of which at least 12 credit hours must be upper-division. At least 12 credit hours must be completed at ASU. Each course must be completed with a minimum grade of "C" (2.00 on a 4.00 scale) or better.

Global Politics of Human Rights (select one) -- 3 credit hours

JUS 352: The Global Politics of Human Rights (SB & G) (3)

POS 368: Ethics and Human Rights (3)

POS 480: Global Justice (G) (3)

Human Rights Institutions and Organizations (select one) -- 3 credit hours

JUS 355: Human Rights Organizations and Institutions (G) (3)

POS 465: International Organization and Law (SB & G) (3)

SGS 321: International Institutions and Global Governance (3)

Interdisciplinary Component -- 9 credit hours

Upper Division Human Rights Electives (9)

Students select three electives on current issues in human rights. Courses must be taken from at least two of the substantive areas listed below and from two or more subjects. Other course options may be approved by an academic advisor in the School of Social Transformation.

Marginalization and Human Rights

AFR 301 / JUS 300: Race and Racism in Africa/African Diaspora (SB & G) (3)

AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)

AIS 455: Human Rights and Cultural Resource Laws (3)

APA 330 / WST 331: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)

HST 369 / JST 369: History and Memory of the Holocaust (3)

JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)

JUS 435: Cinema and Justice (3)

JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)

JUS 456: Human Rights and Sustainability ((L or SB) & G) (3)

JUS 468: Protest, Justice, Law and the Media (SB) (3)

POS 472: Constitutional Law II (SB) (3)

SGS 343 / REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)

SPA 494 / SLC 494: Latin American Photography and Human Rights (3)

WST 313: Women and Sexuality (SB & C) (3)

WST 345: Gender, Religion, and Global Violence (SB & G) (3)

WST 378: Global Feminist Theory (L & G) (3)

WST 477: Gender and Violence (SB & C) (3)

Social Stratification and Human Rights

AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H) (3)

AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) (3)

AFR 470: Women's International Human Rights (3)

APA 350 / JUS 365: Inequality and Diversity in Education (L & C) (3)

JUS 321: Wealth Distribution and Poverty (SB & C) (3)

JUS 325: Globalization and Socio-Economic Justice (SB & G) (3)

JUS 405: Inequality, Economy and Justice ((L or SB) & G) (3)

JUS 477: Youth and Justice (L or SB) (3)

POS 471: Constitutional Law I (SB) (3)

WST 365: Women and International Health (G) (3)

States and Conflict

AIS 494: American Indian Rights (3)

HST 370: Eastern Europe in Transition (SB & G & H) (3)

HST 436: The Soviet Experiment (SB & G & H) (3)

JUS 374: The Holocaust, Genocide, and Human Rights (3)

JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)

JUS 467: Terrorism, War, and Justice (SB) (3)

JUS 469: Political Deviance and the Law ((L or SB) & C) (3)

JUS 494: Torture, War and Human Rights (3)

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) (3)

PHI 448: Justice and Reparations (3)

POS 305: Politics and Film (SB) (3)

POS 394: The Future of War (3)

REL 388: Religion, Ethics, and International Politics (3)

SGS 340: Violence, Conflict and Human Rights (3)

SGS 341: Humanitarian Crisis and International Intervention (3)  
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)

Experiential Learning Component -- 3 credit hours

To better connect classroom learning with practical experience, students will be required to participate in either a for-credit internship with a human rights organization in the U.S. or abroad, or a Research Experience for Undergraduates (REU) under faculty supervision (honors thesis may substitute). A written component to the internship or REU is required.

JUS 484: Internship or JUS 498: Research Apprenticeship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

In order to declare a certificate in human rights, students must first have a minimum of 30 earned credit hours and meet with an academic advisor.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in human rights with their major program of study may be more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/certificate/certificate-human-rights-cert>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## **Informatics Certificate (ESCPICERT)**

**Campus:** Tempe

#### **Description:**

The certificate program in informatics teaches students to use computer technology to gather, synthesize, store, visualize and interpret information. These skills are critical to a broad range of disciplines.

This program provides students with an understanding of the capabilities and technologies of informatics as it applies to domain-specific problems in their field of study. Graduates are able to understand and use methods for the basic computational principles behind the operation of communication, networking and interaction; decision-making and problem-solving; modeling, inference and visualization; representing, creating and running routine activities; and storing, indexing and retrieving information.

#### **Program Requirements:**

This certificate requires 21 credit hours of coursework, of which at least 12 must be upper-division. Students complete 15 credit hours of required courses and select six credit hours of elective coursework.

Required Courses -- 15 credit hours

CPI 101: Introduction to Informatics (CS) (3)

CPI 200: Mathematical Foundations of Informatics (MA) (3)

CPI 220: Applied Data Structures and Algorithms or CSE 310: Data Structures and Algorithms (3)

CPI 350: Evaluation of Informatics Systems (3)

IEE 380: Probability and Statistics for Engineering Problem Solving (CS) or STP 420: Introductory Applied Statistics (CS) (3)

Elective Courses -- 6 credit hours

AME 394: Philosophies of Technology (3)

AME 394: Programming the Internet of Things (3)

ART 345: Visualization and Prototyping (3)  
 ART 346: 3-D Computer Imaging and Animation (CS) (3)  
 ART 435: Foundry Research Methods (3)  
 BIO 355: Introduction to Computational Molecular Biology (CS) (3)  
 BIO 411: Quantitative Methods in Conservation and Ecology (4)  
 BMI 102: Introduction to Population Health Informatics (3)  
 BMI 201: Introduction to Clinical Informatics (3)  
 CIS 300: Web Design and Development (3)  
 CIS 308: Advanced Excel in Business (3)  
 CIS 365: Business Database Systems Development (3)  
 CPI 310: Web-Based Information Management Systems (3)  
 CPI 360: Decision Making and Problem Solving (3)  
 CPI 394: Special Topics (3)  
 CPI 441: Gaming Capstone (3)  
 CPI 460: Intelligent Interactive Instructional Systems (3)  
 CPI 494: Special Topics (3)  
 CSE 220: Programming for Computer Engineering (3)  
 CSE 240: Introduction to Programming Languages (3)  
 CSE 259: Logic in Computer Science (3)  
 CSE 310: Data Structures and Algorithms (3)  
 CSE 335: Principles of Mobile Application Development (3)  
 CSE 340: Principles of Programming Languages (3)  
 CSE 355: Introduction to Theoretical Computer Science (3)  
 CSE 360: Introduction to Software Engineering (3)  
 CSE 365: Information Assurance (3)  
 CSE 408: Multimedia Information Systems (3)  
 CSE 412: Database Management (3)  
 CSE 445: Distributed Software Development (3)  
 CSE 446: Software Integration and Engineering (3)  
 CSE 450: Design and Analysis of Algorithms (3)  
 CSE 460: Software Analysis and Design (3)  
 CSE 464: Software Quality Assurance and Testing (3)  
 CSE 467: Data and Information Security (3)  
 CSE 470: Computer Graphics (3)  
 CSE 471: Introduction to Artificial Intelligence (3)  
 CSE 475: Foundations of Machine Learning (3)  
 CSE 476: Introduction to Natural Language Processing (3)  
 CSE 477: Introduction to Computer-Aided Geometric Design (3)  
 DAT 250: Data Science and Society (3)  
 DAT 300: Mathematical Tools for Data Science (3)  
 DAT 301: Exploring Data in R and Python (4)  
 DAT 401: Statistical Modeling and Inference for Data Science (3)  
 DAT 402: Statistical Learning (3)  
 EDT 440: Creating and Marketing Mobile Apps (3)  
 ENG 374: Technical Editing (3)  
 FMS 394: Video Games and Narrative (3)  
 FSE 301: Entrepreneurship and Value Creation (3)  
 GIT 135: Graphic Communications (3)  
 GIT 215: Introduction to Web Authoring (3)  
 GIT 230: Digital Illustration in Publishing (3)  
 GIT 335: Computer Systems Technology (3)  
 HSE 101: Introduction to Human Systems Engineering (SB) (3)  
 MAT 267: Calculus for Engineers III (MA) (3)  
 MAT 275: Modern Differential Equations (MA) (3)  
 MAT 300: Mathematical Structures (L) (3)  
 MAT 421: Applied Computational Methods (CS) (3)  
 SER 216: Software Enterprise: Personal Process and Quality (3)  
 SER 334: Operating Systems and Networks (3)  
 SOC 334: Technology and Society (L or SB) (3)  
 SOS 424: Dynamic Modeling in Social and Ecological Systems (4)  
 STS 304: Science, Technology and Society (SB) (3)  
 STS 306: Social Effects of Science and Technology (SB) (3)  
 TEL 313: Technology in an Educational Setting (3)  
 TWC 414: Visualizing Data and Information (3)

## TWC 444: User Experience (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

The undergraduate certificate in informatics is available to all students who are in good standing at ASU who have completed CSE 205, MAT 242 and MAT 243 with a "C" grade or better. This concentration may also be used by interdisciplinary studies BA students as part of their degree program.

Students need to submit an undergraduate certificate form to the School of Computing, Informatics and Decision Systems Engineering Academic Advising Center. This form is available on the registrar's website. Interdisciplinary studies students need to contact their advisor to add the informatics concentration to their degree program.

This certificate is available through the Pathways for the Future program: <https://pff.asu.edu/> (<https://pff.asu.edu/>). Applicants with or without a bachelor's degree are eligible to apply for, and receive, this certificate, through the Pathways for the Futures program. Applicants must have completed CSE 205, MAT 242 and MAT 243, or the equivalents, with a "C" grade or higher (scale is 4.00 = "A"). Applicants who have taken these courses at another institution should use the Transfer Guide course search (<https://webapp4.asu.edu/transfercreditguide/app/home>) (<https://webapp4.asu.edu/transfercreditguide/app/home>) to determine if a transfer course can fulfill the prerequisite course requirements. Applicants who already hold a bachelor's degree should apply to ASU and this certificate program as a nondegree-seeking graduate student.

### **Career Opportunities:**

Graduates should be in high demand within the software industry and in government, education, science, medicine and other fields that make use of computer technology. Those with the applied and user-oriented focus of the certificate are attractive to such employers.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computing and Informatics Program  
<https://cidse.engineering.asu.edu/certificates-informatics/>  
CTRPT 105  
[cidse.undergrad@asu.edu](mailto:cidse.undergrad@asu.edu)  
480-965-3199

## **Innovation for Impact Certificate (FIIFICERT)**

**Campus:** Tempe

### **Description:**

The innovation for impact certificate program enables students to cultivate the knowledge, skills and critical dispositions necessary to leverage the power of innovation and achieve personally meaningful and socially significant impact. The program is grounded in the belief that each person can do great things.

Students learn tools and concepts for synthesizing research from courses across disciplines in social sciences, humanities, natural sciences and engineering. Students identify a problematic condition or aspirational future and work with peers, mentors and the community to produce innovations that cultivate a better future for society.

### **Program Requirements:**

Required Courses -- 15 credit hours

FIS 201: Innovation in Society (H) (3)

FIS 305: Ways of Knowing (L) (3)

FIS 307: Navigating Futures (SB) (3)

FIS 371: Innovation for Impact: Impact Journey (1)

FIS 372: Innovation for Impact: Inquiry Journey (1)

FIS 373: Innovation for Impact: Innovation Journey (1)

FIS 481: Innovation for Impact: Application Journey (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students wishing to declare a certificate in innovation for impact should make an appointment with a College of Global Futures advisor. Advising is by appointment only, and students must schedule an advising appointment through the College of Global Futures advising website: <https://collegeofglobalfutures.asu.edu/advising> (<https://collegeofglobalfutures.asu.edu/advising>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Completing this certificate program can help students bring about positive change and innovation in many environments. The unique knowledge and skills gained from this transdisciplinary program enhances a student's bachelor's degree and career prospects. The certificate can complement any career path in a variety of sectors, whether business, technology, science, education or government.

**Contact Information:**

Global Futures, College of  
School for the Future of Innovation in Society  
<https://sfis.asu.edu>  
WGHL 108  
[cgfadvising@asu.edu](mailto:cgfadvising@asu.edu)  
480-727-6963

## Interdisciplinary Health Humanities Certificate (LAIHHUCERT)

**Campus:** Tempe, West

**Description:**

The certificate program in interdisciplinary health humanities brings humanities methodologies to analyses of health and medicine in order to address challenges in health policy and health care practice and to advance understandings of the cultural formations of health, illness and the body.

The curriculum includes courses in areas such as history of medicine, bioethics, disability studies, socio-cultural aspects of health and narrative medicine, and it includes critical analyses of representations of health and illness in literature and other media as well as training in narrative and structural competency for health care professionals. An internship or applied project also offers experiential or project-based learning in this field.

**Program Requirements:**

The interdisciplinary health humanities certificate requires a total of 15 credit hours. A minimum of 12 upper-division credit hours are required, with at least nine of those credit hours taken in courses offered by The College of Liberal Arts and Sciences for students on the Tempe campus, or by the School of Humanities, Arts and Cultural Studies in the New College of Interdisciplinary Arts and Sciences on the West campus. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Interdisciplinary Health Humanities Core -- 6 credit hours

ENG 203: Introduction to Health Humanities (3)

Notes: available on the Tempe and West campuses

ENG 484: Internship or ENG 499: Individualized Instruction (3)

Electives (select three) -- 9 credit hours

AFR 383: Blacks in Science, Medicine and Public Health (3)

ASB 301: Global History of Health (SB & G & H) (3)

ASB 305: Poverty and Global Health ((L or SB) & G) (3)

ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)

ASB 355: Traditional Medicine and Healing (HU or SB) (3)

BIO 312 / IAS 340 / PHI 320: Bioethics (HU) (3)

BIO 315 / ENG 370: Science, Values, and the Public (3)

ENG 469: Science and Literature (3)

FIS 498: Stem Cell Policy Research (3)

FOR 406 / IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)

HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing (3)

HPS 314 / PHI 314: Philosophy of Science (HU) (3)

HPS 331 / BIO 318: History of Medicine (HU & H) (3)

LSC 363: Genes, Race, Gender, and Society (L) (3)

MED 300: Historical and Contemporary Issues in Health (L) (3)

PHI 306: Applied Ethics (HU) (3)  
REL 381: Religion and Moral Issues (L or HU) (3)  
SOC 400: Perspectives on Aging (SB) (3)  
SOC 448: Epidemics and Society (SB & G) (3)  
TCL 323: Latina/o Health Issues (SB & C) (3)  
TCL 410: Race, Medicine, and the Body (L) (3)  
WST 444: Gender, Health, and Bodies (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Some elective courses may be available only on the Tempe campus or the West campus.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Students become more marketable and can advance their career options when they have complemented their major with this methodological specialization in interdisciplinary health humanities.

Students who complete this undergraduate certificate often decide to pursue employment in the health professions. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://thecollege.asu.edu/degree/certificate/certificate-interdisc-health-humani-cert>  
RBHL 170  
englishadvising@asu.edu  
480-965-3168

## **International Business Studies Certificate (BAIBSCERT)**

**Campus:** Tempe

#### **Description:**

Students can expand their horizons and opportunities by learning about the global economy. The certificate program in international business studies is designed to help students develop competence in a foreign language and sensitivity to foreign cultures. It provides an awareness of global social processes and an understanding of international business environments, principles and operations.

The W. P. Carey School of Business has partnerships with universities all over the world, so students can experience new cultures, visit new places and build intercultural and language skills. International internships also are offered in conjunction with the ASU Study Abroad Office.

#### **Program Requirements:**

This certificate program requires a minimum of 18 credit hours (at least 12 credit hours must be upper-division). All business coursework must be completed through the W. P. Carey School of Business or through an approved ASU international study program.

Only courses in which a student receives a grade of "C" (2.00 on a 4.00 scale) or better may be used to meet the certificate requirements, and an overall certificate GPA of at least 2.50 must be earned.

Students must meet all course prerequisites and requirements as listed in the ASU catalog. Requirements must be met within one year after degree conferral date.

International Business Core Course -- 3 credit hours

MGT 302: Principles of International Business (G) or ECN 306: Survey of International Economics (SB & G) (3)

A. International Business Electives -- 6 credit hours

AGB 302: International Management and Agribusiness (G) (3)

ECN 306: Survey of International Economics (SB & G) (3)

ECN 331: Economics of the European Economic Union (SB & G) (3)

ECN 335: South Asia and the World Economy (SB & G) (3)  
ECN 360: Economic Development (SB & G) (3)  
ECN 365: Economics of Russia and Eastern Europe (SB & G) (3)  
ECN 436: International Trade Theory (SB & G) (3)  
ECN 438: International Monetary Economics (SB & G) (3)  
FIN 456: International Financial Management (G) (3)  
MGT 302: Principles of International Business (G) (3)  
MGT 400: Cross-Cultural Management (C & G) (3)  
MGT 425: Global Human Resources (3)  
MGT 459: International Management (G) (3)  
MKT 425: Global Marketing Management (G) (3)  
SCM 463: Global Supply Chain Management (G) (3)

\*300+ level WPC subject courses earned on a sponsored ASU Study Abroad program may be applied toward the IBC elective area, per approval of the international programs coordinator. Courses applied toward the W. P. Carey business core cannot be used toward the IBC elective area.

#### B. Nonbusiness Global Awareness Coursework -- 9 credit hours

Nonbusiness Global Awareness Coursework (9)

Notes: These hours may be satisfied by any combination of the following:

1. Students can choose any of the university-designated nonbusiness global awareness ("G") courses.
2. One course must be upper-division to meet the 12 upper-division hours requirement.
3. It is recommended to choose courses related to the area of study abroad experience. Additional courses may be approved by the international program coordinator.
4. Nonbusiness global awareness hours may also be satisfied by:

\* An ASU or W. P. Carey School of Business education abroad program earning six credit hours or more fulfills six of the credit hours of nonbusiness global requirements.

\* An ASU or W. P. Carey School of Business education abroad program earning three credit hours fulfills three of the credit hours of nonbusiness global requirements.

#### C. Foreign Language Proficiency

The certificate program requires students to meet a foreign language proficiency by meeting one of the the following:

- Completion of one year (two semesters) of the same foreign language at the college level.
- Completion of one semester of the equivalent of 101- and 102-level coursework.
- Completion of two years of the same foreign language in high school with a minimum grade of "C" (2.00 on a 4.00 scale).
- Documentation of a proficiency or placement test confirming preparedness to start at least the second year of a foreign language (201 level or above).
- A student whose native language is not English may have this requirement waived.

#### D. International Study Experience

The certificate program requires students to participate in an ASU Study Abroad Office sponsored program. Students cannot use independent non-sponsored programs to fulfill this requirement. Sponsored programs can be found on the Study Abroad Office website at <https://mystudyabroad.asu.edu/> (<https://mystudyabroad.asu.edu/>).

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

The certificate application is accessed and submitted through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>). Students should contact the department for more information.

No more than six credit hours may be shared between certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information on this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/BAIBSCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/BAIBSCERT/Gedt.pdf>).

**Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in international business helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate often decide to pursue employment in management, sales, marketing and communication. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees/international-business-certificate>  
BA 160  
wpcglobalprograms@asu.edu  
480-965-4227

## International Cinema Certificate (LAICINCERT)

**Campus:** Tempe

**Description:**

The power of international cinema lies in its ability to underscore national differences and engage diverse viewpoints.

The certificate program in international cinema provides undergraduates with the means to explore and understand the role that international film plays in highlighting cultural diversity, reflecting the sociocultural, political and economic currents of the period and cultural setting depicted, and calling into question an accepted idea of the dominance of Hollywood film.

Following an integrated pathway through the variety of international film courses, the certificate program explores facets of international film history and production not often covered by American programs in film studies. Students majoring in a second language can explore a particular culture's filmic heritage and traverse avenues for comparative analysis between the filmic heritage of two or more cultures. Students majoring in other areas can encounter visual narratives different from their own and connect international cinema to their own respective experiences.

**Program Requirements:**

The certificate requires 18 credit hours of upper-division coursework. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Core Course -- 3 credit hours

SLC 340: Approaches to International Cinema (HU & G) (3)

Elective Courses (choose five) -- 15 credit hours

CHI 345: Chinese Film and Civilization (3)

FMP 404: World Cinema (G) (3)

FMS 426: Films of India (3)

FMS 427: Identity and World Film (C) (3)

FMS 430: Artists in Film: Artists' Biopics (3)

FMS 441: Global Cinema (3)

GER 445 / FMS 445 / SLC 445: The Holocaust in German-Mediated Memory (3)

GER 446 / FMS 446 / SLC 446: Weimar-Era German Film (3)

HEB 349: Israeli Wars in Israeli Movies (HU & G) (3)

ITA 420: Italian Cinema (L & G) (3)

KOR 347: Korean Film and Literature (HU) (3)

SLC 423: Italian Organized Crime in Films and History ((L or HU) & G) (3)

SLC 440: Approaches to Film Theory (3)

SLC 450: Experimental Narrative (HU) (3)

SPA 475: Latin American Film ((L or HU) & G) (3)

THE 422: Latinx Theatre and Film (HU & C) (3)

Additional upper-division elective courses may be approved by the coordinator of the certificate program.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.



**Enrollment Requirements:**

ASU students in sophomore standing or above with a GPA of at least 2.50 in any degree program are eligible for the international cinema certificate program. Admission to the certificate program is approved by the certificate coordinator in consultation with advisors.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in international cinema with their major program of study may be more marketable to employers. They often decide to pursue employment in education, tourism or the arts and humanities.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## International Studies Certificate (LAINSCERT)

**Campus:** Tempe

**Description:**

The international studies certificate program prepares students for careers in government agencies, international governmental and nongovernmental organizations, multinational firms and banks and for graduate studies in international relations and political science.

The certificate is not a substitute for degree requirements in any subject, including political science; rather, the required courses add an international and comparative dimension to the student's chosen major.

**Program Requirements:**

The certificate in international studies is comprised of 15 credit hours in political science and global studies. At least 12 credit hours must be in upper-division coursework and at least six of those credit hours must be from courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses used toward the certificate.

Foundations for International Studies (choose one course) -- 3 credit hours

POS 150: Comparative Government (SB & G) (3)

POS 160: Global Politics (SB & G) (3)

The U.S. in the World (choose one course) -- 3 credit hours

POS 361: American Foreign Policy (SB & G) (3)

POS 364: National Security, Intelligence, and Terrorism (SB) (3)

Contemporary Issues in International Studies (choose two courses) -- 6 credit hours

POS 300: Contemporary Global Controversies (SB & G) (3)

POS 368: Ethics and Human Rights (3)

POS 465: International Organization and Law (SB & G) (3)

POS 467: International Security (SB & G) (3)

POS 486: International Political Economy (SB & G) (3)

SGS 301: Principles of Global Studies (G) (3)

SGS 303: Global Trends (SB & G) (3)

SGS 324: Negotiating Global Trade (3)

SGS 350: Economic Development and Globalization (3)

SGS 361: World Society: Imagining the World (3)

SGS 370: Geopolitics (3)

Regional or Topical Exploration (choose one course) -- 3 credit hours

POS 350: Comparative Politics (SB & G) (3)

POS 351: Democratization (SB & G) (3)

POS 352: European Democracies (3)

POS 353: Comparative Politics of the Middle East (3)  
POS 356: European Union (SB & G) (3)  
POS 357: South Asia Politics (SB & G) (3)  
POS 358: Southeast Asia (SB & G) (3)  
POS 359: African Politics and Society (SB & G) (3)  
POS 360: World Politics (SB & G) (3)  
POS 365: Terrorism and Insurgency (3)  
POS 379: The Resource Curse (3)  
POS 452: China (SB & G) (3)  
POS 453: Latin America (SB & G) (3)  
POS 454: Mexico (SB & G) (3)  
POS 468: Comparative Asian Foreign Policies (SB & G) (3)  
SGS 360: Cultural Aspects of Globalization (3)

Only one of POS 160 Global Politics and POS 360 World Politics courses may apply to the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students should contact the School of Politics and Global Studies for more information about completing the international studies certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in international studies with their major program of study may become more marketable to employers. They often decide to pursue employment in diplomacy and international relations, national security, or international business.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
spgs-ugadvising@asu.edu  
480-965-8563

## **International Trade Certificate (TBINTRCERT)**

**Campus:** Downtown Phoenix, West

#### **Description:**

International trade is increasingly important in this globalized economy, but also increasingly challenging. The International Monetary Fund predicts that most of the world's economic growth in the next decade will take place in the largest emerging markets, which are not always easy for companies and nonprofit organizations to penetrate. Most of the world's consumers are outside of the United States. Given these trends, organizations across sectors that operate in multiple countries are increasingly in need of managers who understand the complexities of the global economy.

The certificate program in international trade provides students with an understanding of foreign markets and the intricacies of international trade, laying the foundation for a career that can take them anywhere in the world.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. Home to the BGM and BS in international trade, the school's innovative and practical curriculum complements a strong core of global business management skills, international political economy and cross-cultural training, with a transdisciplinary approach. The alumni network has over 45,000 graduates across 170 chapters around the globe.

#### **Program Requirements:**

The certificate in international trade requires 18 credit hours as outlined below, with a minimum of 12 upper-division credits. Students are

encouraged to take courses that develop breadth within their sector rather than limiting their selection to courses in one particular subject area.

Required Courses -- 6 credit hours

TGM 101: Principles of Global Management (G) (3)

TGM 430: International Trade and Regional Economic Agreements (3)

It is recommended that students take TGM 101 prior to or concurrently with other TGM courses.

Electives -- 12 credit hours

TGM 204: Principles of Marketing for Global Organizations (3)

TGM 300: Principles of Finance for Global Organizations (3)

TGM 310: Supply Chain Operations for Global Organizations (3)

TGM 312: Big Data in the Global Economy (3)

TGM 353: Regional Management Environment (G) (3)

TGM 460: Global Risk Assessment and Management (3)

TGM 468: States and Markets in a Global Economy (SB & G) (3)

TGM 478: Cross-Cultural Communication and Negotiation (3)

TGM 489: Multinational Organizational Leadership (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Study abroad or international experience is encouraged but not required. Consider ASU Study Abroad (<https://mystudyabroad.asu.edu/>) opportunities.

#### **Enrollment Requirements:**

Incompatible Majors: BGM in global management and BS in international trade

No more than six credit hours may be shared between certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

The certificate application (<https://students.asu.edu/forms/undergraduate-certificate> (<https://students.asu.edu/forms/undergraduate-certificate>)) may be submitted to [ugadvising@thunderbird.asu.edu](mailto:ugadvising@thunderbird.asu.edu) (<mailto:ugadvising@thunderbird.asu.edu>).

#### **Career Opportunities:**

Graduates who combined the certificate in international trade with their major program of study may be more marketable to employers. They often decide to pursue employment in corporations, governments and nonprofits in positions such as global entrepreneur, global logistics manager, international compliance manager or national marketing manager.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Global Management, Thunderbird School of

Thunderbird School of Global Management

<https://thunderbird.asu.edu>

FAB N290

[ugadvising@thunderbird.asu.edu](mailto:ugadvising@thunderbird.asu.edu)

602-543-0029

## **Islamic Studies Certificate (LAISLCERT)**

**Campus:** Tempe

#### **Description:**

The certificate in Islamic studies allows students to gain an appreciation of Islam's multiculturalism and contemporary relevance in multiple geographic settings.

The program is designed to prepare students for graduate programs in religious studies, Islamic studies and area studies, and for any academic discipline or career that focuses on the global Muslim society.

**Program Requirements:**

The certificate in Islamic studies requires a minimum of 26 credit hours. At least 12 upper-division hours are required. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required in each course used toward the certificate.

**Core -- 9 credit hours**

HST 260 / REL 260: Introduction to Islam (HU & G) (3)  
HST 336 / REL 365: Islamic Civilization (HU & H) (3)  
HST 339 / REL 366: Islam in the Modern World (HU & G) (3)

**Language Requirement -- 8 credit hours**

Students must take a minimum of eight credit hours in the same language: either Arabic or Indonesian, or other appropriate languages, such as Farsi, Tatar, or Uzbek. Students who are native speakers of these languages or other Islamic languages, or who have other equivalent knowledge may substitute eight credit hours of additional coursework selected from the list of approved electives. See program coordinator.

ARB 101: Elementary Arabic I (G) (5)  
ARB 102: Elementary Arabic II (G) (5)  
ARB 201: Intermediate Arabic I (G) (5)  
ARB 202: Intermediate Arabic II (G) (5)  
ARB 311: Advanced Arabic Skills I (3)  
ARB 321: Arabic Conversation I (3)  
ARB 411: Advanced Arabic Skills II (G) (3)  
ARB 421: Arabic Conversation II (3)  
IDN 101: Elementary Indonesian I (5)  
IDN 102: Elementary Indonesian II (5)  
IDN 201: Intermediate Indonesian I (G) (5)  
IDN 202: Intermediate Indonesian II (G) (5)

**Elective Courses -- 9 credit hours**

Students must choose electives that represent at least two of three geographic regions. The available geographic regions are Africa and the Middle East, America and Europe, and Asia. No more than one course from the "non-geographic" list may apply toward the certificate. It is recommended that students work with an academic advisor in the School of Historical, Philosophical and Religious Studies to select appropriate elective courses.

**Africa and the Middle East**

AFR 300 / ASB 310: Precolonial Africa (SB & G & H) (3)  
AFR 340: The Making of Modern Africa (SB & G & H) (3)  
AFR 466 / ASB 466: Peoples and Cultures of Africa (SB & G) (3)  
ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)  
ARB 335: Arabic Culture and Islam (G) (3)  
ARB 337: Hadith and Prophetic Tradition (HU & H & G) (3)  
ARB 341: Quran Text and Women (HU & H) (3)  
ARB 351: Classical Arabic Literature (HU & G) (3)  
ARB 352: Modern Arabic Literature in Translation (HU & G) (3)  
ARB 394: Iraqi Culture & Society (3)  
ASB 366 / AFR 366: African Archaeology: Precolonial Urban Culture (SB & H) (3)  
GCU 328: Geography of Middle East and North Africa (SB & G) (3)  
HST 307: Studies in African History (H) (3)  
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
POS 353: Comparative Politics of the Middle East (3)  
POS 359: African Politics and Society (SB & G) (3)  
REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)  
REL 369: Women in Islam (3)  
REL 461 / AFR 480 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)

**America and Europe**

GCU 426: Geography of Russia and Surroundings (SB & G) (3)  
REL 310: Western Religious Traditions (HU & H) (3)  
REL 364: Islam in Eurasia and Central Asia (3)  
REL 377: Religion in Russia (HU & H) (3)  
SGS 394: The Kosovo War (3)  
SPA 425: Foundational Texts of Spain (L or HU) (3)  
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

## Asia

ASB 325: Peoples of Southeast Asia (G) (3)

GCU 326: Geography of Asia (SB & G) (3)

GCU 433: Geography of Southeast Asia (3)

HST 106: Asian Civilizations ((HU or SB) & G & H) (3)

HST 111 / REL 111: Introduction to Asia (HU & H & G) (3)

HST 240 / GCU 240 / POS 240 / REL 240 / SGS 240: Introduction to Southeast Asia ((HU or SB) & G) (3)

HST 245 / POS 245 / REL 245 / SGS 245 / SLC 245: Introduction to India and South Asia (HU & H & G) (3)

HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)

HST 392: Modern India (3)

REL 347: Religions of India: Peace and Conflict ((L or HU) & G) (3)

REL 348: Religion and Culture in Southeast Asia (3)

REL 364: Islam in Eurasia and Central Asia (3)

## Non-geographic

ARB 336: Introduction to the Qur'an (G) (3)

ARS 394: Islamic Art (3)

HST 302: Gender and Sexuality in Islam (3)

HST 302 / JST 302: Jews, Christians & Muslims in Early Modern World (3)

HST 302 / JST 302: Jews, Christians & Muslims in the Medieval World (3)

HST 302: Women, War and Peace (3)

POS 364: National Security, Intelligence, and Terrorism (SB) (3)

REL 205: Life, Sex and Death (HU) (3)

REL 363 / AFR 373: Islam and World Affairs (G) (3)

REL 378 / POS 378: Religion, War and Peace (L) (3)

REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)

REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)

REL 460: Studies in Islamic Religion (HU & G) (3)

REL 480 / SGS 441: Religion and Global Politics (L & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

Students wishing to add the certificate in Islamic studies to their plan of study must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies. Students who complete all the requirements of their undergraduate major, their college and the certificate program receive the certificate plus transcript recognition of its completion.

There are no specific admission requirements other than a student's desire to learn about Islam and Islamic societies and culture.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Career Opportunities:**

Students become more marketable to employers when they have complemented their major program of study with this specialization in Islamic studies.

Often, students who complete this undergraduate certificate decide to pursue employment in law, international law, business, journalism, international relations, diplomacy and the intelligence service. Advanced degrees or certifications may be required for academic or clinical positions.

### **Contact Information:**

Liberal Arts and Sciences, The College of

Historical, Philosophical & Religious Studies, Sch

<https://shprs.asu.edu/degree/certificate/certificate-islamic-studies-certificate>

COOR 3307

SHPRSadvising@asu.edu

480-965-8364

# Jewish Studies Certificate (LAJUDCERT)

**Campus:** Tempe

## **Description:**

The Jewish studies certificate program examines the history and culture of the Jews, generates and facilitates research on Judaica, and provides a model for transdisciplinary teaching and research. The certificate program provides the community with programs, courses and research to further the understanding of Judaica and stands as an example of the university's commitment to a program of meaningful ethnic studies on a firm academic base.

## **Program Requirements:**

The certificate in Jewish studies requires a minimum of 21 credit hours in approved coursework. At least 12 upper-division hours are required. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required in each course used toward the certificate.

Language Requirement -- 6 credit hours

Students must complete two semesters of the same language (6-10 credit hours).

ARB 101: Elementary Arabic I (G) AND ARB 102: Elementary Arabic II (G) (10)

GER 101: Elementary German I (G) AND GER 102: Elementary German II (G) (8)

HEB 101 AND HEB 102: Elementary Modern Hebrew (G) (8)

HEB 131: Biblical Hebrew I AND HEB 132: Biblical Hebrew II (6)

SPA 101: Elementary Spanish I AND SPA 102: Elementary Spanish II (8)

Thematic Track Electives (choose three courses) -- 9 credit hours

Students choose one course in three of five thematic tracks. Available tracks include history, humanities, literature, religious studies and social studies. At least six credit hours must be upper-division course work. (9)

## History

HEB 375: Contemporary Culture of Israel (HU & G) (3)

HST 302: Jews, Christians & Muslims in Early Modern World (3)

HST 302: Jews, Christians & Muslims in the Medieval World (3)

HST 304: Exiles, Migrants, Refugees in Jewish History (3)

HST 304: History of Antisemitism (3)

HST 304: Jews and Christians in the Middle Ages (3)

HST 304: Nazi Germany (3)

HST 304: Rebirth of European Jewish Life after 1950 (3)

HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)

HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)

HST 372: Modern Middle East (SB & G & H) (3)

HST 436: Rise & Fall of Soviet Communism (SB & G & H) (3)

JST 210 / REL 210: Introduction to Judaism (HU & H) (3)

JST 211 / HST 211 / REL 211: Jews and Judaism in America (SB & H) (3)

JST 230 / HST 230 / REL 230: Introduction to Jewish Civilization (HU & H & G) (3)

JST 302: Studies in History (3)

JST 304: Studies in European History (3)

JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)

JST 315 / REL 315: Hebrew Bible (Old Testament) ((L or HU) & H) (3)

JST 347 / ENG 347 / HEB 347 / SLC 347: Modern Israeli Literature in Translation (HU & G) (3)

JST 369 / HST 369 / REL 312: History and Memory of the Holocaust (3)

JST 491: History of Antisemitism (3)

REL 410: Judaism in Modern Times (HU & H) (3)

## Humanities

ENG 356: The Bible as Literature (HU) (3)

JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)

JST 315 / REL 315: Hebrew Bible (Old Testament) ((L or HU) & H) (3)

JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)

JST 318 / REL 318: Contemporary American Jewish Identities ((HU or SB) & C) (3)

JST 346 / FMS 349 / HEB 349: Israeli Wars in Israeli Movies (HU & G) (3)

JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)

JST 349 / HPS 349 / REL 349 / SOS 349: Nature, Sustainability and Religion (3)

JST 445 / FMS 445 / GER 445 / SLC 445: The Holocaust in German-Mediated Memory (3)

JST 459 / SLC 459 / SPA 459: Latin American Jewish Culture (3)

JST 496: Biblical Narratives: Literary Approaches (3)  
REL 313: Anti-Semitism in the Media (3)  
REL 410: Judaism in Modern Times (HU & H) (3)

#### Literature

ENG 356: The Bible as Literature (HU) (3)  
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)  
JST 347 / ENG 347 / HEB 347 / SLC 347: Modern Israeli Literature in Translation (HU & G) (3)  
JST 411 / HEB 411 / REL 411: Judaism and the Beginnings of Christianity (HU & H) (3)  
JST 459 / SLC 459 / SPA 459: Latin American Jewish Culture (3)  
JST 496: Biblical Narratives: Literary Approaches (3)

#### Religious Studies

JST 210 / REL 210: Introduction to Judaism (HU & H) (3)  
JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)  
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)  
JST 318 / REL 318: Contemporary American Jewish Identities ((HU or SB) & C) (3)  
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)  
JST 369 / HST 369 / REL 312: History and Memory of the Holocaust (3)  
JST 491: History of Antisemitism (3)  
JST 495: Judaism, Science and World Religions (3)  
JST 496: Biblical Narratives: Literary Approaches (3)  
REL 207: Ritual, Symbol, and Myth (L or HU) (3)  
REL 310: Western Religious Traditions (HU & H) (3)  
REL 313: Anti-Semitism in the Media (3)  
REL 385: Contemporary Western Religious Thought (HU) (3)

#### Social Studies

HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)  
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
JST 211 / HST 211 / REL 211: Jews and Judaism in America (SB & H) (3)  
JST 318 / REL 318: Contemporary American Jewish Identities ((HU or SB) & C) (3)  
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)  
JUS 374: The Holocaust, Genocide, and Human Rights (3)  
STS 364: Science, Technology, and National Security (SB) (3)

#### Upper-Division Electives -- 6 credit hours

Students choose upper-division electives from any of the thematic track course lists (the electives may be from any combination of thematic tracks).

#### Upper Division Certificate Electives (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

Incompatible Majors: BA in Jewish studies

Students wishing to pursue the certificate in Jewish studies must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies and make a formal declaration of intent through the submission of the certificate in Jewish studies application.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Career Opportunities:

Students become more marketable to employers when they complement their major program of study with an undergraduate certificate.

Through a certificate in Jewish studies, students gain a familiarity of Jewish culture which gives them a competitive edge when they pursue a career with one of the hundreds of U.S. companies that do business in Israel.

These students are also prepared to:

- attend rabbinic seminary in preparation for becoming a rabbi or chaplain
- engage in world political and economic issues
- pursue advanced education in Jewish professional service fields

The certificate also provides a foundation for students who wish to pursue advanced degrees or careers related to their area of interest in fields that may include archeology, history, justice studies, journalism, law and international relations. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/certificate/certificate-jewish-studies-certificate>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Korean Studies Certificate (LAKORCERT)

**Campus:** Tempe

**Description:**

The certificate program in Korean studies aims to train and produce students who are linguistically capable and culturally informed.

The program consists of two major components. The first builds students' Korean language proficiency in the areas of speaking, listening, reading and writing. The second offers students a broad range of knowledge of the culture, literature, history, art and religions of Korea. The certificate allows students to focus on Korean studies.

**Program Requirements:**

The certificate in Korean studies requires a minimum of 22 credit hours, of which at least 12 must be completed at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Korean Language -- 10 credit hours

Students must choose one two-course sequence from KOR 101, KOR 102, KOR 201, KOR 202, for a total of 10 credit hours. Course substitutions may be permitted for heritage speakers and other advanced speakers of the Korean language based on their proficiency level as determined by the Korean Placement Test.

KOR 101: First-Year Korean I (5)

KOR 102: First-Year Korean II (5)

KOR 201: Second-Year Korean I (G) (5)

KOR 202: Second-Year Korean II (G) (5)

Upper-Division Electives -- 12 credit hours

KOR 321: Modern Korean Literature (HU) (3)

KOR 347: Korean Film and Literature (HU) (3)

KOR 350: Women of Korea (H) (3)

KOR 354: Religions of Korea (HU) (3)

Additional courses may be approved in consultation with an academic advisor in the School of International Letters and Cultures or the coordinator of the certificate. The completion of the requirements will be reviewed both by students' designated advisors and the coordinator of the program.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

ASU students admitted to a degree program in any field of study are eligible for the Korean studies certificate program. Students should contact the School of International Letters and Cultures for more information about completing the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.



**Career Opportunities:**

Graduates who have combined the certificate in Korean studies with their major program of study may be more marketable to employers.

They have an enriched perspective on different cultures and societies at the intellectual level and are equipped with a practical knowledge of Korean that will benefit a career in various professions, including in academia, government work, international trade, with nongovernmental organizations and translation. Graduates often decide to pursue employment in education, the military, political analysis, tourism and hospitality or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Latin American Studies Certificate (LALASCERT)

**Campus:** Tempe

**Description:**

The Latin American studies certificate is designed to give students an understanding of the culture, economies, political structures and history of Latin American nations.

The program combines six courses across disciplinary boundaries to provide a diverse perspective of the Latin American experience. The Department of Economics; the School of Geographical Sciences and Urban Planning; the School of Historical, Philosophical and Religious Studies; the School of Politics and Global Studies; the School of Human Evolution and Social Change; the School of International Letters and Cultures (Spanish and Portuguese) and the School of Transborder Studies offer courses that comprise the transdisciplinary certificate.

**Program Requirements:**

The certificate requires a minimum of 18 credit hours of Latin American studies content. At least 12 upper-division credit hours must be completed from courses offered by The College of Liberal Arts and Sciences. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

**Language Requirement**

Students must demonstrate Spanish or Portuguese proficiency through the 313 level of conversation and composition. The language proficiency requirement may be waived for native speakers or those with in-field experience equivalent to SPA 313 or POR 313.

Language instruction courses dealing with Spanish and Portuguese conversation and composition cannot be used to satisfy the content course requirement. While students are encouraged to enroll in language instruction courses (i.e., conversation and composition) above the 313 level, they cannot apply such coursework to the Latin American studies certificate course requirements.

**Latin American Content Course Requirements -- 18 credit hours**

Students will take 18 upper-division credit hours (six courses) from this list of Latin American content courses. Students are required to select nine credit hours (three courses) from within their major and nine credit hours (three courses) outside their major.

ARS 362: Survey of Aztec, Maya and Inka Art (HU) (3)  
ASB 322: Peoples of Latin America ((L or SB) & G) (3)  
ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H) (3)  
GCU 323: Geography of Latin America (SB & G) (3)  
GCU 424: Geography of Mexico and Middle America (SB & G) (3)  
HST 305: Studies in Latin American History (3)  
HST 331 / TCL 331: Mexican American History to 1900 (SB & H & C) (3)  
HST 375: Colonial Latin America (SB & H) (3)  
HST 376: Modern Latin America (SB & G & H) (3)  
HST 441: Latin America and the World Economy (L & G & H) (3)  
HST 443: The United States and Latin America (SB & G & H) (3)  
HST 445: 20th-Century Cuba (SB & G & H) (3)  
HST 447: Modern Mexico (SB & H) (3)  
POR 472: Luso-Brazilian Civilization (HU & G) (3)  
POR 494: Special Topics (3)  
POS 305: Politics and Film (SB) (3)  
POS 453: Latin America (SB & G) (3)

POS 454: Mexico (SB & G) (3)  
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)  
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) (3)  
SPA 429: Writing Mexico: Major Texts ((L or HU) & G) (3)  
SPA 456: 20th-Century Spanish American Fiction (3)  
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)  
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)  
SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)  
SPA 475 / SLC 475: Latin American Film ((L or HU) & G) (3)  
TCL 310: Folklore of the Southwest (HU & C) (3)  
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)  
TCL 350: Mexican and Chicana/o Artistic Production (HU & C & G) (3)  
TCL 444: The Ethnography of Mexico and the Borderlands (SB & G) (3)  
THE 426: Pre-Columbian Theatre of the Americas (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Any student admitted to study at ASU may complete a certificate program.

For more information, students should contact the School of International Letters and Cultures: <https://silc.asu.edu/degrees>  
(<https://silc.asu.edu/degrees>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in Latin American studies with their major program of study may become more marketable to employers. They often decide to pursue employment in education, political analysis, the military, tourism and hospitality, and marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
480-965-6281

## Law and Human Behavior Certificate (PPLWHBCERT)

**Campus:** Downtown Phoenix, Tempe, West

**Description:**

Law and human behavior is an umbrella term that encompasses various aspects of the rapidly emerging field of forensic psychology, law and justice.

This 18-credit hour certificate program focuses on the criminal justice aspects of forensic psychology, emphasizing victimology, offender treatment, criminal incapacity, mental health law, juvenile justice and delinquency, and the dynamics of how the criminal justice system intersects with behavioral science.

The program is designed to provide students of social services and social sciences with an understanding of important but understudied areas where justice policy is in desperate need of empirical, psychological research.

**Program Requirements:**

Required Core -- 12 credit hours  
CRJ 260: Substantive Criminal Law (3)  
CRJ 410: Criminal Procedure: The Law of Investigations (3)  
PSY 366: Abnormal Psychology (SB) (3)

PSY 468: Psychology and Law (3)

Electives (choose two from outside of one's major) -- 6 credit hours

CRJ 309: Criminology (SB) (3)

CRJ 403: Victims and the Criminal Justice System (3)

CRJ 406: Sex Crimes (3)

CRJ 434: Drugs of Abuse (3)

CRJ 435: Crime and Forensic Mental Health (SB) (3)

CRJ 484: Internship (1-6)

Notes: Only those relevant to law and human behavior

CRJ 494: Special Topics (3)

Notes: Only those relevant to law and human behavior

PSY 341: Developmental Psychology (SB) (3)

PSY 368: Forensic Psychology (3)

PSY 443: Abnormal Child Psychology (L or SB) (3)

PSY 472: Clinical Psychology (3)

PSY 474: Correctional Psychology (3)

PSY 494: Special Topics (3)

Notes: Only those relevant to law and human behavior

1. Special Topics courses (CRJ 494 and PSY 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the law and human behavior certificate program.
  2. At least 12 credit hours must be taken in-residence at ASU.
  3. A "C" (2.00 on a 4.00 scale) or better is required in all coursework required for the certificate.
  4. Bachelor of Science in criminology and criminal justice majors who are also pursuing the Law and Human Behavior certificate may not use CRJ 309, CRJ 403, CRJ 406, CRJ 410, CRJ 434, CRJ 435, CRJ 484, and CRJ 494 towards both their degree and certificate.
- Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students must complete the following prerequisite courses with a grade of "C" or higher (scale is 4.00 = "A") in order to enroll in the certificate program. These courses may be taken in-residence at ASU or may be transferred in from other institutions, including community colleges. Because these courses are requirements for the bachelor's degree program in psychology or criminology and criminal justice, their completion satisfies not only requirements of these two majors, but also the prerequisite requirements for enrollment in the certificate program in law and human behavior.

Completion of the following prerequisite courses with grades of "C" or higher are required for enrollment in the certificate program:

- CRJ 100 Introduction to Criminal Justice
- PSY 101 Introduction to Psychology
- first-year composition (ENG 102, 105 or 107)
- a course which meets the General Studies MA requirement (MAT 117, 119, 142, 170, 210 or 270)

one of the following two-course sequences in statistics and research methods:

- CRJ 302 and 303, or
- PSY 230 and 290

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates of the law and human behavior certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) in roles such as evidence and crime scene supervisor (CSI activities), forensic psychologist, intelligence analyst and law enforcement officer. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of

School of Criminology and Criminal Justice

<https://ccj.asu.edu>

UCENT 600

## Leadership and Ethics Certificate (PPLDECERT)

**Campus:** Downtown Phoenix

### Description:

The certificate program in leadership and ethics focuses on understanding the broad transdisciplinary field of leadership and its application to various elements of society and community, and it prepares individuals for positions of leadership and responsibility in the university, in student organizations, in their communities and throughout their careers in business and government.

### Program Requirements:

The certificate in leadership and ethics requires four core courses (12 credit hours), including a leadership capstone experience, plus one elective discipline-based course in leadership or ethics (3 credit hours). The three credit hours of elective coursework may be selected from an approved list of elective courses or upon the recommendation of the department.

All courses applied to the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Core Courses -- 12 credit hours

PAF 311: Leadership and Change (SB) (3)

PAF 410: Building Leadership Skills (SB) (3)

PAF 421: Leadership Capstone (3)

PAF 460: Public Service Ethics (3)

All core courses and the leadership capstone must be taken at Arizona State University. Any course substitutions for the certificate are at the discretion of the School of Public Affairs.

Elective Course (choose one) -- 3 credit hours

COM 430: Leadership in Group Communication (3)

HON 497: Honors Colloquium (3)

MGT 300: Organization and Management Leadership (3)

NLM 430: Managing Nonprofit Organizations (L) (3)

PAF 420: Managing Across Boundaries (3)

POS 314: The American Presidency (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### Enrollment Requirements:

Students are encouraged to schedule an appointment with the undergraduate academic advisor in the School of Public Affairs.

Current students interested in earning the certificate must complete a request to add an undergraduate certificate and return it to the undergraduate academic advisor in the School of Public Affairs at the University Center on the Downtown Phoenix campus. Students may begin taking courses before they formally register for the certificate; however, they are encouraged to complete the paperwork as soon as possible.

Those interested may download the request to add an undergraduate certificate located at <https://students.asu.edu/forms/undergraduate-certificate> (<https://students.asu.edu/forms/undergraduate-certificate>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### Career Opportunities:

Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations, and private organizations whose work interfaces with the public sector.

### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/undergradminors>

## Leadership in Business Certificate (BALIBCERT)

**Campus:** Polytechnic, Tempe, West

This program is not currently accepting applications.

### **Description:**

The leadership in business certificate program is designed to help students understand the concept of leadership. They cultivate their leadership identity and understand how the development of their leadership skills impacts their professional development.

Through this program, students develop a strong set of skills necessary for success in a dynamic workplace, skills that include communication, teamwork and collaboration, and problem-solving.

### **Program Requirements:**

The leadership in business certificate requires 15 credit hours to complete (at least 12 credit hours must be upper-division). To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

No more than six credit hours can be shared between this certificate and other business certificates and minors.

Required Courses -- 6 credit hours

MGT 310: Collaborative Team Skills (3)

MGT 411: Leading Organizations (3)

Leadership Development Electives (choose two courses, with at least one upper-division course) -- 6 credit hours

COM 225: Public Speaking (L) (3)

COM 259: Communication in Business and the Professions (3)

COM 312: Communication, Conflict, and Negotiation (3)

COM 319: Persuasion and Social Influence (SB) (3)

COM 400: Organizational Communication (HU & C) (3)

JUS 325: Globalization and Socio-Economic Justice (SB & G) (3)

MGT 303: Honors Organizational Strategies, Leadership, and Behavior (3)

MGT 400: Cross-Cultural Management (C & G) (3)

MGT 430: Negotiations (3)

MKT 302: Applied Marketing Management and Leadership (L) (3)

PAF 311: Leadership and Change (SB) (3)

PAF 410: Building Leadership Skills (SB) (3)

PAF 420: Managing Across Boundaries (3)

USL 210: Service Learning: Intro to Diverse Community Issues (L & C) (3)

Cultural Competency Elective (choose one course) -- 3 credit hours

JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)

LES 380: Consumer Perspective of Business Law (3)

MCO 460: Race, Gender, and Media (C) (3)

PHI 336: Social and Political Philosophy (HU) (3)

PHI 360: Business and Professional Ethics (HU) (3)

PHI 406: Moral Dilemmas (L or HU) (3)

REL 366: Islam in the Modern World (HU & G) (3)

REL 381: Religion and Moral Issues (L or HU) (3)

REL 480: Religion and Global Politics (L & G) (3)

SBS 301: Cultural Diversity ((L or SB) & C) (3)

SOC 334: Technology and Society (L or SB) (3)

SOC 339: Grassroots Social Movements (SB) (3)

SOC 342: Mexico-U.S. Borderlands (SB & C) (3)

SOC 352: Social Change (SB & G & H) (3)

SOC 363: Men and Masculinity (SB) (3)

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)

TCL 328: U.S. Latino Religion and Culture (HU & C) (3)

WST 300: Women and Gender in Contemporary Society (SB & C) (3)

WST 331: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)

WST 365: Women and International Health (G) (3)

WST 467: Ethnic Women Writers (HU & C) (3)

WST 471: Women's International Human Rights (3)

WST 485: Women, Gender, and Leadership (SB & C) (3)

Complete four co-curricular experiences (all pending approval of the certificate coordinator):

1. Complete an approved internship. This requirement must be completed after approval to add the certificate.
2. Approved leadership position on an executive board with a registered ASU club or organization.
3. Approved leadership role in support of the W. P. Carey School of Business or ASU community: (WPC 101 Facilitator, WPC Peer Advisor, Camp Carey Director, Leadership Through Action (Tillman Program), USG Position, Community Assistant, Residential Engagement Leader, A.P.P.L.E., other petition-approved activity).
4. ASU-affiliated study abroad program (<https://mystudyabroad.asu.edu/>) OR 75 hours of service learning or community service.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

This certificate is only open to students in the W. P. Carey School of Business. Students may apply for this certificate once they have completed MGT 310 Collaborative Team Skills and at least one of the co-curricular experiences (excluding the required internship). The certificate application is accessed and submitted online at Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in leadership in business with their major program of study may become more marketable to employers. They often decide to pursue employment in management, sales and marketing.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Business, W. P. Carey School of  
Department of Management and Entrepreneurship  
<https://wpcarey.asu.edu/undergraduate-degrees/business-leadership-certificate>  
BA 170  
wpcareyug@asu.edu  
480-965-4227

## **Leadership, Ethics and Service Certificate (PPLETSCERT)**

**Campus:** Downtown Phoenix

ASU is not currently accepting applications for this program.

#### **Description:**

The leadership, ethics, and service certificate program includes coursework with an emphasis on values, ethics, leadership and public service. In addition to in-class instruction, the program includes a service learning component during the summer and out-of-classroom activities.

#### **Program Requirements:**

A "C" (2.00 on a 4.00 scale) or better is required in all coursework.

Coursework -- 15 credit hours

CRD 435: Service Learning for Community Development (3)

NLM 235: Leadership and Ethics (3)

NLM 410: Social Entrepreneurship (3)

PAF 400: Senior Capstone Project (3)

PAF 410: Building Leadership Skills (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this

certificate.

**Enrollment Requirements:**

Students interested in this certificate should contact the Watts College of Public Service and Community Solutions by calling 602-496-0600.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://publicservice.asu.edu/>  
UCENT 780  
copp@asu.edu  
602-496-0600

## Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)

**Campus:** Tempe

**Description:**

The certificate program in lesbian, gay, bisexual, and transgender studies offers students a multifaceted understanding of society.

Lesbians, gay men, bisexuals and transgender people play important roles as colleagues, clients, parents, children, siblings, neighbors, employees, employers, religious leaders and friends. Given the increasing visibility and changing political climate for LGBTQ people in the United States, all students, not only those who identify themselves as gay, lesbian, bisexual or transgender, are served well by learning about the histories, communities and contemporary social issues regarding people from LGBTQ backgrounds.

The educational experience is enhanced when students are introduced to complex intersections between and among sexual, racial, ethnic, religious, geographic and national identities. The philosophy of this certificate program in lesbian, gay, bisexual and transgender studies is to promote intellectual and pedagogical diversity as one of the university's greatest assets, and this is done, in part, by instilling in students a sensitivity to cultures different from their own and through careful analysis of the self in historical, artistic and sociocultural contexts.

The goals of the certificate program are to give students knowledge about the history, evolution of and current issues facing the LGBTQ community; practical experience utilizing coursework knowledge in the community through an internship or community service project; and theoretical perspectives on heterosexuality as a presumptive sexual identity. Students gain an understanding of lesbian, gay, bisexual and transgender studies as an academic area of inquiry; an understanding of community politics, dynamics and conflicts; and engages in a use-inspired education that culminates in a public presentation.

**Program Requirements:**

The certificate requires 15 credit hours, of which a minimum of 12 must be upper-division.

Required Course (choose one) -- 3 credit hours

SST 294: Introduction to LGBTQ History and Culture (3)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) (3)

WST 294: Sex, Gender, and Sexuality (3)

Electives -- 9 credit hours

AFR 375: Race, Gender and Sport (SB & C) (3)

AFR 394 / JUS 394 / WST 394: Gender and Hip Hop (3)

APA 210: Introduction to Ethnic Studies in the U.S. (C) (3)

APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)

APA 345: Asian Pacific Americans and Film (HU & C & H) (3)

ARS 485: Women in the Visual Arts (L) (3)

ASB 210: Human Sexuality: Anthropological Perspectives (SB & G) (3)

Notes: Only Interdisciplinary Studies majors may use additional lower-division courses

ASB 346: Marriage and Family Diversity (SB & C) (3)

BIS 350: Diversity and Organizations (L & C) (3)

Notes: Student must pick LGBT focus for course project and receive approval from certificate advisor.

COM 316: Gender and Communication (SB & C) (3)

COM 421: Rhetoric of Social Issues (HU) (3)  
COM 442: Identity, Performance, and Human Communication (3)  
COM 494: Gender in the Media (3)  
ENG 345: Transgender and Intersex Literature and Film (3)  
ENG 440: Sexuality (HU) (3)  
ENG 443: Gender, Culture and Literacy (3)  
ENG 449: Masculinities, Femininities and Literacies (3)  
ENG 454: Gender and Literature (L or HU) (3)  
FAS 264: Gender and Society (SB & C) (3)  
FAS 332: Human Sexuality (SB) (3)  
FAS 498: Transgender Youth and Families (3)  
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)  
JUS 371: Sexuality and Social Justice (3)  
JUS 427: Identity and Justice (L) (3)  
JUS 435: Cinema and Justice (3)  
MIC 314: HIV/AIDS: Science, Behavior, and Society (3)  
SST 494: Transformational Leadership and Embodied Activism (3)  
SWU 291: Social Service Delivery Systems (3)  
SWU 374: Diversity and Oppression in a Social Work Context (C) (3)  
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)  
THE 494: Queer Plays and Films (3)  
WST 100: Women, Gender, and Society (SB & C) (3)

Notes: Only Interdisciplinary Studies majors may use additional lower-division courses. Credit is only allowed for WST 100 or 300

WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Notes: Credit is only allowed for WST 100 or 300

WST 313: Women and Sexuality (SB & C) (3)

WST 335: Lost in Space: Gender, Race, and Sexuality in Science Fiction (3)

WST 380: Race, Gender, and Class (SB & C) (3)

WST 433: Race and Sexualities in Social Justice Movements (3)

WST 460: Women and the Body (SB & C) (3)

WST 470: Gender and Popular Culture (HU & C) (3)

WST 477: Gender and Violence (SB & C) (3)

Capstone -- 3 credit hours

All students will complete a three credit hour capstone experience after completing a minimum of nine credit hours in the certificate program. The capstone experience will be supervised by any member of the faculty approved by the Lesbian, Gay, Bisexual and Transgender Studies Committee.

Capstone Course (3)

Notes: Select capstone course with consultation of LGBT advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

Students interested in admission to the certificate program should meet with an academic advisor in the School of Social Transformation as soon as possible in order to complete a certificate declaration form and to select courses that most appropriately meet students' individual needs.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Career Opportunities:**

Graduates who have combined the certificate in lesbian, gay, bisexual and transgender studies with their major program of study may become more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work. Advanced degrees or certifications may be required for academic or clinical positions.

### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Social Transformation

<https://sst.asu.edu/degree/certificate/certificate-lsbngaybisexltrngndr-cert>

NVS1 310AA



## Mathematical Concepts of Engineering Certificate (LAMACECERT)

**Campus:** Tempe, Online

### Description:

The certificate program in mathematical concepts of engineering is designed for students who seek a strong foundation in mathematics to support their studies in engineering.

Combining a core foundation in the quantitative and analytical skills found in the field of mathematics with related skills in engineering fields, the program provides students with a solid mathematical background well suited for multiple career paths.

### Program Requirements:

The mathematical concepts of engineering certificate requires a minimum of 21 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least nine credit hours must be completed at ASU. MAT 343 and STP 420 must be completed in courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Required Courses -- 18 credit hours

IEE 380: Probability and Statistics for Engineering Problem Solving (CS) (3)

MAT 266: Calculus for Engineers II (MA) (3)

MAT 267: Calculus for Engineers III (MA) (3)

MAT 275: Modern Differential Equations (MA) (3)

MAT 343: Applied Linear Algebra (3)

STP 420: Introductory Applied Statistics (CS) (3)

Electives (choose one) -- 3 credit hours

IEE 381: Lean Six Sigma Methodology (3)

IEE 385: Engineering Statistics: Probability (3)

IEE 470: Stochastic Operations Research (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### Enrollment Requirements:

Students must have completed MAT 265 or MAT 270 with a "C" or higher prior to enrolling in the certificate program. Students also must be in good academic standing with a minimum cumulative grade point average of 2.00.

This certificate is available through the Pathways for the Future program: <https://pff.asu.edu/> (<https://pff.asu.edu/>). Applicants with or without a bachelor's degree are eligible to apply for, and receive, this certificate through the Pathways for the Futures program. Applicants must have completed MAT 265 or MAT 270 with a "C" grade or higher (scale is 4.00 = "A"). Applicants who have taken these courses at another institution should use the Transfer Guide course search (<https://webapp4.asu.edu/transfercreditguide/app/home> (<https://webapp4.asu.edu/transfercreditguide/app/home>)) to determine if a transfer course can fulfill the prerequisite course requirements. Applicants who already hold a bachelor's degree should apply to ASU and this certificate program as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/mathematical-concepts-engineering-undergraduate-certificate/>)

### Career Opportunities:

Students can advance their career options with an undergraduate certificate. The certificate in mathematical concepts of engineering helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate often decide to pursue employment in engineering fields or seek admission into graduate level programs. Advanced degrees or certifications may be required for academic or clinical positions.

### Contact Information:

Liberal Arts and Sciences, The College of

School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>  
WCLR 211  
math@asu.edu  
480-965-7195

## Medieval and Renaissance Studies Certificate (LAMRSCERT)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

### Description:

The Arizona Center for Medieval and Renaissance Studies has established a certificate program for undergraduate students interested in medieval and Renaissance studies which reflects the transdisciplinary nature of the field.

The program provides students the opportunity to take classes from several disciplines and to receive training in Latin, the international language of the periods, and other early vernacular languages. Completion of the certificate program prepares undergraduate students for advanced study in their fields.

### Program Requirements:

#### Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Contact Information:

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://acmrs.asu.edu/>  
COOR 4432  
acmrs@asu.edu  
480-965-8097

## Modern Hebrew Certificate (LAHEBCERT)

**Campus:** Tempe

### Description:

The certificate program in modern Hebrew provides students with a firm foundation in modern Hebrew language and a broad knowledge of Israeli culture, leading to advanced skills in reading, writing and conversing in the language. The program includes the study of literature, politics and history, enriching students' knowledge of the Middle East and offering them deeper understanding of current affairs.

This certificate enhances many degree programs and career paths.

### Program Requirements:

The certificate requires 20 credit hours. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher. A minimum of 12 credit hours must be completed at the upper-division level and a minimum of 12 credit hours must be earned at ASU or in an ASU-approved study abroad program.

Language -- 14 credit hours

HEB 201: Intermediate Modern Hebrew (G) (4)

HEB 202: Intermediate Modern Hebrew (G) (4)

HEB 313: Advanced Modern Hebrew (G) (3)

HEB 314: Advanced Modern Hebrew (G) (3)

Electives (choose two) -- 6 credit hours

HEB 347 / JST 347 / SLC 347 / ENG 347: Modern Israeli Literature in Translation (HU & G) (3)

HEB 348 / JST 348 / SLC 348: Israeli Society and Culture (HU & G) (3)

HEB 349: Israeli Wars in Israeli Movies (HU & G) (3)

HEB 375: Contemporary Culture of Israel (HU & G) (3)  
HST 372: Modern Middle East (SB & G & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

ASU students admitted to a degree program in any field of study are eligible to enroll in the modern Hebrew certificate program. In order to be admitted to the certificate program, students must complete HEB 101 and 102 Elementary Modern Hebrew to satisfy the requirements to enroll in HEB 201 Intermediate Modern Hebrew.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in modern Hebrew with their major program of study may become more marketable to employers.

They often decide to pursue employment in political analysis, tourism and hospitality, foreign policy, international business, tourism, media, translation, and in different levels of education or marketing.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## **Music Entrepreneurship Certificate (HIMERTCERT)**

**Campus:** Tempe

#### **Description:**

Music entrepreneurship is a discipline that intersects the traditional music disciplines. Music entrepreneurship harnesses the skills and mindset of the entrepreneur to empower musicians to create work that is meaningful, sustainable and oriented to community and market need.

Students in a music degree program and students with a background in music benefit from the business, marketing and organizational skills they develop through the certificate courses as applied specifically to and within the arts.

#### **Program Requirements:**

The undergraduate certificate in music entrepreneurship consists of 15 credit hours, of which at least 12 credit hours must be upper division. There are six credit hours of required coursework and the remaining nine credit hours are selected from the electives section. A grade of "C" or better is required in all courses.

Required Courses -- 6 credit hours

MSC 484: Music Entrepreneurship Fieldwork (3)  
MUP 438: The Enterprising Musician (3)

Electives -- 9 credit hours

FMP 417: Business and Legal Practices in Entertainment (3)  
HDA 420: Design and the Arts Business Administration (3)  
MSC 221: Popular Music Lab (1)  
MSC 451: Popular Music Industry Studies I (2)  
MSC 452: Popular Music Industry Studies II (2)  
MUP 319: Advanced Audio Engineering in the Arts (2)  
MUP 439: Music Product Creation and Development (3)  
NLM 220: Introduction to Nonprofit Organizations (3)  
NLM 410: Social Entrepreneurship (3)  
NLM 451: Grant Writing (3)

PAF 410: Building Leadership Skills (SB) (3)  
THP 351: Arts Management (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The certificate in music entrepreneurship is meant to supplement study for music majors and nonmajors in any discipline with a music background. Students may be admitted to the certificate by submitting a statement of interest outlining their music background and personal goals. Students also interview with program faculty to demonstrate their music related skills. For further application details, students should visit: <https://musicdancetheatre.asu.edu/degree-programs/music-entrepreneurship-certificate> (<https://musicdancetheatre.asu.edu/degree-programs/music-entrepreneurship-certificate>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in music entrepreneurship with their major program of study may become more marketable to employers. They often decide to pursue employment in such industries as arts entertainment, music business, arts administration or performance.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/minors-certificates>  
MUSIC E167  
[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)  
480-965-5069

## Nonprofit Professional Certificate (PPNPYCERT)

**Campus:** Downtown Phoenix

**Description:**

This nationally recognized certificate program awards qualified students from diverse academic fields with the National Certified Nonprofit Professional credential. The CNP credential is awarded through the Nonprofit Leadership Alliance (formerly American Humanics, Inc.), a consortium of universities, nonprofits and funders that are committed to preparing students for management careers in the nonprofit sector: <https://www.certifiedtochangetheworld.org/> (<https://www.certifiedtochangetheworld.org/>).

The NLA/ASU program provides curricular and cocurricular programs that prepare students through its competency-based, experiential educational framework. The program is ideal for students wishing to complement their majors with a strong core of nonprofit management knowledge and skills through professional affiliation with and certification by the Nonprofit Leadership Alliance, the nation's leader in education for nonprofit careers. NLA collaborates with a number of national nonprofit organizations as well as locally based grassroots organizations that actively seek NLA and ASU program interns and job candidates.

**Program Requirements:**

The program includes active participation by nonprofit professionals who offer workshops, seminars, mentoring and field trips. The certified nonprofit professional credential can be earned in conjunction with any bachelor's degree and requires successful participation in co-curricular, experiential activities in addition to required academic coursework. For more information on the credential, please visit <https://www.certifiedtochangetheworld.org/>.

Required Courses -- 24 credit hours

- NLM 220: Introduction to Nonprofit Organizations (3)
- NLM 300: Fund Raising and Resource Development (3)
- NLM 310: Volunteer Management (3)
- NLM 320: Professional Development Seminar (4)
- Notes: (one credit each, over four semesters)
- NLM 420: Nonprofit Leadership Alliance Institute (2)
- Notes: Offered fall semester only
- NLM 430: Managing Nonprofit Organizations (L) (3)

NLM 463: Senior Internship or NLM 484: Internship (6-12)

Notes: NLM 463 (12) credits required. NLM 484 (6) credits required.

\*NLM 484 Internship is for students not pursuing a Nonprofit Leadership and Management major.

#### Standards

1. 24-30 hours of graded coursework depending upon major.
2. minimum "C" (2.00 on a 4.00 scale) grade required for all courses in the certificate.
3. minimum GPA of 2.00 for those pursuing the certificate.
4. should be a junior to take 400-level courses.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

Applications for the Certified Nonprofit Professional certificate are available through School of Community Resources and Development academic advisors and the Nonprofit Leadership Alliance senior program coordinator.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see <https://catalog.asu.edu/files/disclosures/PPNPYCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/PPNPYCERT/Gedt.pdf>).

#### Career Opportunities:

The nonprofit professional credential opens up career opportunities across a range of diverse nonprofit types ranging from arts and culture, environmental, health, human services and youth development, etc.

#### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Oral History and Storytelling Certificate (ASOHCCERT)

**Campus:** West

This program's name has changed effective Fall 2021. The previous name was Oral History.

#### Description:

The certificate program in oral history and storytelling introduces students to the interdisciplinary theories and methods required for collecting, documenting and preserving the stories of people's lives.

Through the program, students gain an understanding of and appreciation for diverse cultures, past and present, and engage in oral history research and interviewing. Students may build on existing projects or develop new community relationships at local, national and international levels.

With the knowledge and skills to abide by the professional standards involved in oral history documentation, research and presentation, students leave the program better prepared for graduate programs or careers that integrate oral history.

The program is offered by the School of Humanities, Arts and Cultural Studies.

#### Program Requirements:

The certificate in oral history and storytelling consists of 15 upper-division credit hours. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Six credit hours may be shared between the certificate and courses for a student's major. Students should consult an academic advisor to select appropriate courses. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

HRC 310: Social and Cultural Studies: Method and Theory (C) (3)

HRC 480: Capstone: Practices and Approaches (L) (3)

Electives -- 9 credit hours

COM 339 / ENG 339 / IAP 339: Creating Dramatic Works: Page to Stage to Screen (3)

COM 342: Oral History and Storytelling (3)

COM 394 / IAP 394: Acting for the Camera (3)

COM 394: Storytelling in the Professions (3)

ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)

ENG 361: Scriptwriting (3)

ENG 394: Cross-Cultural Narratives (3)

ENG 394: Oral History & Storytelling in Humanities & Arts (3)

ENG 476: Folklore & Oral Traditions (3)

ENG 476: Folklore in Everyday Life (3)

ETH 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

HST 419 / LAS 419: 20th Century Chicano/a History (C) (3)

IAP 364: Documentaries (3)

WST 370: Chronicling Women's Lives (HU & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate program in oral history and storytelling is open to all ASU undergraduate majors. This certificate is also available for graduate students and students majoring in professional programs. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

The certificate program in oral history and storytelling prepares students for careers such as ethnographers, culture and history directors, videographers, editors, copy writers or journalism.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/oral-history-certificate>

FAB N100

harcsadvising@asu.edu

602-543-3000

## **Peace Corps Prep Certificate (LSPCPCERT)**

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

#### **Description:**

The Peace Corps prep certificate program is designed to foster intellectual curiosity while building the competitiveness of Peace Corps applicants.

Six sectors --- education, youth development, health, environment, community and economic development, and agriculture --- comprise the program, unified by the mandatory course IDS 355 Peace Corps Seminar. To enhance the three core competencies of sector-specific skills, intercultural competence and leadership, students are encouraged to participate in service learning, internship opportunities and study abroad experiences.

#### **Program Requirements:**

The Peace Corps Prep certificate requires a minimum of 21 credit hours as outlined below. Students are encouraged to take courses that develop breadth within their sector rather than limiting their selection to courses in one particular subject area.

Applicants should contact an academic advisor in the College of Integrative Sciences and Arts or the Peace Corps liaison at ASU by emailing [pcprepcoordinator@asu.edu](mailto:pcprepcoordinator@asu.edu) (mailto:pcprepcoordinator@asu.edu).

#### Required Courses -- 6 credit hours

IDS 355: Peace Corps Seminar (G) (3)

IDS 401: Integration: Experiential Learning or USL 402: Service Learning: Education & Youth (C) or USL 410: Service Learning: Diverse Community Issues (L & C) or any 484 Internship course (#trackgroup) (3)

Internship hours may be completed locally, out of state or through an international study abroad program. The internship must be completed in the same program sector as the affiliated program sector electives completed for a minimum of 3 credit hours.

#### Cultural or Global Awareness Course(s)

Cultural Diversity in the U.S. (C) or Global Awareness (G) (6)

Students completed two additional "C" (Cultural Diversity in the U.S.) or "G" (Global Awareness) courses, excluding IDS 355 and the nine credit hours of sector related electives. Sector electives in excess of nine credit hours may count toward this C or G requirement.

#### Electives (Choose one of the six sectors below) -- 9 credit hours

##### Program Sector Electives (9)

Students will select nine upper-division credit hours from one of the six program sectors of agriculture, community and economic development, education, environment, health, or youth development.

Please see your academic advisor for a complete list of sector specific courses.

##### Agriculture Sector

Examples of electives include, but are not limited to:

AGB 302: International Management and Agribusiness (G) (3)

AGB 425: Food Supply Networks (3)

AGB 452: Global Food and Agricultural Trade (3)

ASB 300: Food and Culture ((L or SB) & C) (3)

##### Community and Economic Development Sector

Examples of electives include, but are not limited to:

ABS 364: Urban Forestry (3)

BIO 324: Environmental Ethics (HU) (3)

BIO 434: People and Nature: Ecosystem Services (3)

ECN 360: Economic Development (SB & G) (3)

GCU 364: Energy in the Global Arena (SB & G) (3)

SOS 327: Sustainable Food and Farms (3)

##### Education Sector

Examples of electives include, but are not limited to:

AFR 350: Inequality and Diversity in Education (L & C) (3)

ECD 321: Emerging Language and Literacy (3)

ECS 315: Classroom Organization and Child Guidance (3)

HCR 402: Advocacy for Health and Health Education (3)

SOC 421: Education and Society (SB) (3)

SPF 301: Culture and Schooling (L) (3)

##### Environment Sector

Examples of electives include, but are not limited to:

ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G) (3)

BIO 320: Fundamentals of Ecology (3)

BIO 322: Conservation of Biodiversity (3)

GPH 314: Global Change (HU & G) (3)

SOS 326: Sustainable Ecosystems (3)

##### Health Sector

Examples of electives include, but are not limited to:

ASB 301: Global History of Health (SB & G & H) (3)

ASB 305: Poverty and Global Health ((L or SB) & G) (3)

ASM 345: Disease and Human Evolution (3)

EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) (3)

HSC 310: Health Communication (3)

##### Youth Development Sector

Examples of electives include, but are not limited to:

ASB 346: Marriage and Family Diversity (SB & C) (3)  
NLM 300: Fund Raising and Resource Development (3)  
NLM 310: Volunteer Management (3)  
PRM 315: Community Recreation Systems (3)  
SWU 456: Immigrants and Refugees (C) (3)

An internship in the student's affiliated program sector is required. Students may complete a three credit hour internship (\*\* 484) or a service learning internship experience (USL 402 or USL 410). Please visit the Service Learning Web Page (<https://communityengagement.education.asu.edu/programs/university-service-learning>) for questions regarding placement and enrollment. Students may also meet the internship requirement by completing an internship experience through a study abroad program. Study abroad or international experience is encouraged but not required. Please consider Taste of Peace Corps in the Dominican Republic during spring break as a substitute for any required certificate course. Foreign language study to at least the 200-level is encouraged but not required. For Peace Corps placements in Spanish or French-speaking countries, foreign language proficiency at the 200-level is often required. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Applicants should contact an advisor in the College of Integrative Sciences and Arts for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students can advance their career options with an undergraduate certificate. Students become more marketable to employers when they have complemented their major program of study with this specialization in Peace Corps prep.

Students who complete this undergraduate certificate along with their major often decide to pursue employment in the foreign services, nongovernmental agencies, relief organizations, community based organizations and government positions. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
USE 138  
CISA@asu.edu  
480-965-4464

## Personal Fitness Training Certificate (NHPFITCERT)

**Campus:** Downtown Phoenix

**Description:**

The personal fitness training certificate program provides students with the knowledge, skills and competencies they need to develop evidence-based physical activity programs for the general population to achieve positive health changes.

After completion of the certificate, students have the ability to obtain an entry to intermediate-level personal training or group fitness certification through any accredited association. This program does not prepare students to work with clients with special needs or existing health conditions.

**Program Requirements:**

Students must earn a minimum grade of "C" (2.00) in all courses in the certificate.



Required Courses -- 15 credit hours

EXW 215: Resistance Training and Recovery Techniques (3)

EXW 217: Cardiorespiratory and Flexibility Training (3)

EXW 302: Fundamentals of Wellness (L) (3)

EXW 335: Physical Activity and Physiological Concepts (3)

EXW 425: Exercise Prescription for Health and Wellness (3)

Elective (choose one course) -- 3 credit hours

EXW 344: Impact of Physical Activity on Health and Disease (3)

EXW 400: Stress Management for Wellness (3)

HEP 410: Obesity Perspectives and Prescriptions (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate program in personal fitness training helps students become more marketable in the general health fields by providing specific content knowledge on exercise techniques, the positive impact physical activity can have on overall health, and reductions in the risk for developing chronic disease.

#### **Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/personal-fitness-training>

HLTHN 401AA

chs@asu.edu

602-496-3300

## **Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)**

**Campus:** West

#### **Description:**

The certificate in philosophy, rhetoric and literature is an interdisciplinary humanities program that integrates continental philosophy, literature, art, communication and social critique.

Students explore existential crises and the production of cultural values. Students in the program examine the anxieties and expectations surrounding cultural identity, including the expectation to adhere to sexed, racial, ethnic, social and religious norms. Special attention is given to the roles that art, literature, thought, intercultural interaction and communication play in repairing fractured histories and in the creation of better social worlds.

#### **Program Requirements:**

The certificate in philosophy, rhetoric and literature consists of 15 upper-division credit hours. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. The certificate requires three credit hours in Rhetorical Perspectives, three credit hours in Continental Philosophical Perspectives, three credit hours from Pool A and six credit hours from Pool B. Any other courses used to satisfy the requirements for this certificate must be approved by an academic advisor prior to enrollment. All courses used to satisfy the requirements for the certificate must be passed with a "C" (2.00) or better.

Core I Rhetorical Perspectives -- 3 credit hours

ENG 400: History of Literary Criticism (L or HU) (3)

ENG 440: Studies in American Literature and Culture (3)

ENG 472: Rhetorical Studies (L) (3)

Core II Continental Philosophical Perspectives -- 3 credit hours

PHI 304: Existentialism (HU) (3)

PHI 411: Continental Philosophy (HU) (3)

PHI 412: Philosophy and Literary Criticism (HU) (3)

Pool A -- 3 credit hours

COM 464: Communicative Sexualities (SB) (3)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)

ENG 400: History of Literary Criticism (L or HU) (3)

ENG 401: Topics in Critical Theory (3)

ENG 440: Studies in American Literature and Culture (3)

ENG 454: Gender and Literature (L or HU) (3)

ENG 461: Studies in Women and Literature (3)

ENG 472: Rhetorical Studies (L) (3)

ENG 478: Studies in Modernism (3)

ENG 479: Studies in Postmodernism (HU & G) (3)

IAP 471: Language, Culture, and Performance (L or HU) (3)

IAP 473: Aesthetic Research (L or HU) (3)

LAS 340 / WST 341: Latin American Women Writers (3)

PHI 412: Philosophy and Literary Criticism (HU) (3)

PHI 421: Philosophical Topics (3)

Pool B -- 6 credit hours

COM 321: Rhetorical Theory and Research ((L or HU) & H) (3)

COM 429: Semiotics and Visual Communication (3)

ENG 401: Topics in Critical Theory (3)

PHI 303 / REL 300: The Future of Religions (L or HU) (3)

PHI 304: Existentialism (HU) (3)

PHI 339: Philosophy of Art (HU) (3)

PHI 390 / REL 314: Jewish Philosophy (3)

PHI 411: Continental Philosophy (HU) (3)

PHI 412: Philosophy and Literary Criticism (HU) (3)

PHI 415: Philosophy and Film (HU) (3)

PHI 421: Philosophical Topics (3)

PHI 494 / REL 494: Issues in Death & Dying (3)

POS 494: Everyday Forms of Political Resistance (3)

REL 345: Asian Religious Traditions (HU & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate in philosophy, rhetoric and literature is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

This program prepares students for advanced study in the humanities, social and behavioral sciences, and the arts, as well as lifelong learning in a variety of fields.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/philosophy-rhetoric-and-literature-certificate>

FAB N100

harcsadvising@asu.edu

## Political Economy Certificate (LAPLECERT)

**Campus:** Tempe

### **Description:**

The political economy certificate program engages students in studying the intersection of politics and the economy.

The certificate program helps prepare students for careers in a variety of global and domestic environments.

### **Program Requirements:**

The certificate includes courses in political science, economics and other academic areas that relate to politics and the economy. Students majoring in any subject at the university may be awarded the certificate upon completion of the following: a total of 15 credit hours, of which at least 12 credit hours must be upper-division. Nine credit hours must be from The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Part One: Economics Foundation (choose one course) -- 3 credit hours

ECN 211: Macroeconomic Principles (SB) (3)

ECN 212: Microeconomic Principles (SB) (3)

Part Two: Politics Foundation (choose one course) -- 3 credit hours

POS 300: Contemporary Global Controversies (SB & G) (3)

POS 310: American National Government (SB) (3)

POS 350: Comparative Politics (SB & G) (3)

Part Three: Political Economics and the World (choose two courses) -- 6 credit hours

ECN 306: Survey of International Economics (SB & G) (3)

ECN 335: South Asia and the World Economy (SB & G) (3)

ECN 360: Economic Development (SB & G) (3)

POS 379: The Resource Curse (3)

POS 465: International Organization and Law (SB & G) (3)

POS 485: Political Economy (SB) (3)

POS 486: International Political Economy (SB & G) (3)

Part Four: Related Elective (choose one course) -- 3 credit hours

GCU 350: The Geography of World Crises (SB & G) (3)

JUS 405: Inequality, Economy and Justice ((L or SB) & G) (3)

PAF 340: Contemporary Policy Challenges (3)

PAF 351: Urban and Metropolitan Studies (3)

PAF 352: Urban Theory (3)

PAF 470: Topics in Public Economics and Financial Management (3)

POS 325: Public Policy Development (SB) (3)

POS 356: European Union (SB & G) (3)

POS 367: World Politics and Global Inequalities (G) (3)

SGS 325 / JUS 325: Globalization and Socio-Economic Justice (SB & G) (3)

SGS 350: Economic Development and Globalization (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Career Opportunities:**

Graduates who have combined the certificate in political economy with their major program of study may become more marketable to employers. They often decide to pursue employment in government, public policy, lobbying, nonprofit agencies or international business.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
spgs-ugadvising@asu.edu  
480-965-8563

## Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT)

**Campus:** Tempe

**Description:**

This political entrepreneurship certificate program prepares students for careers in public policy in global and domestic environments whether they be in governance organizations, nongovernmental organizations, nonprofit agencies or private enterprises engaged in policy-making, implementation and critical assessment.

The program requirements include applied practice in these settings and an internship. A variety of internship opportunities exist for students with global, national, state or local interests. Coursework in the social sciences, humanities and business prepares students to be participants in policy processes as an avenue of civic engagement.

**Program Requirements:**

The certificate requires a total of 15 credit hours, of which at least 12 credit hours must be completed at the upper-division level. Nine credit hours must be from courses offered by The College of Liberal Arts and Sciences.

All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Part One: Introductory Course (choose one course) -- 3 credit hours

- POS 110: American Government and Politics (SB) (3)
- POS 150: Comparative Government (SB & G) (3)
- POS 160: Global Politics (SB & G) (3)
- POS 310: American National Government (SB) (3)
- SGS 101: Thinking Globally: The Individual and Authority (SB & G) (3)
- SGS 301: Principles of Global Studies (G) (3)

Part Two: Policy and Leadership (choose one course) -- 3 credit hours

- POS 325: Public Policy Development (SB) (3)
- POS 351: Democratization (SB & G) (3)
- POS 361: American Foreign Policy (SB & G) (3)
- POS 364: National Security, Intelligence, and Terrorism (SB) (3)
- POS 410: Governing American Cities (SB) (3)
- POS 426: Elements of Public Policy (SB) (3)
- POS 468: Comparative Asian Foreign Policies (SB & G) (3)
- POS 486: International Political Economy (SB & G) (3)
- SGS 320: Mechanisms of Global Governance (3)
- SGS 321: International Institutions and Global Governance (3)
- SGS 340: Violence, Conflict and Human Rights (3)
- SGS 350: Economic Development and Globalization (3)

Part Three: Internship -- 6 credit hours

Students may elect to complete only 3 hours of internship in Part Three. Students selecting this option must complete six upper-division credits in Part Four.

- POS 484 / SGS 484: Internship (6)

Part Four: Related Electives (choose one to two courses, depending on how many internship credit hours are earned) -- 3 credit hours

- BUA 380: Small Business Leadership (3)
- BUA 383: Small Business Working Relationships (3)
- COM 222: Argumentation (L) (3)
- COM 225: Public Speaking (L) (3)
- COM 230: Small Group Communication (SB) (3)
- COM 250: Communication and the Workplace (SB) (3)
- COM 259: Communication in Business and the Professions (3)
- COM 312: Communication, Conflict, and Negotiation (3)

ENG 301: Writing for the Professions (L) (3)  
ENT 290: Entrepreneurship: Opportunity to Impact (3)  
FIN 380: Personal Financial Management (3)  
JUS 320: Community and Social Justice (SB & C) (3)  
MGT 380: Management and Strategy for Nonmajors (3)  
NLM 160: Voluntary Action and Community Leadership (SB) (3)  
NLM 220: Introduction to Nonprofit Organizations (3)  
NLM 410: Social Entrepreneurship (3)  
PAF 200: Public Service and Policy in the 21st Century (3)  
PAF 201: Economics and Public Policy (SB) (3)  
PAF 300: Public Management and Administration (3)  
PAF 305: Urban Governance (3)  
PAF 311: Leadership and Change (SB) (3)  
PAF 340: Contemporary Policy Challenges (3)  
PAF 405: Citizen Engagement and Community Building (3)  
PAF 410: Building Leadership Skills (SB) (3)  
PAF 420: Managing Across Boundaries (3)  
PAF 460: Public Service Ethics (3)  
POS 494: McCain Institute Policy Design (3)  
SGS 204: Professional Global Career Development (3)  
SOS 111 / PUP 190: Sustainable Cities ((HU or SB) & G) (3)  
SOS 321: Policy and Governance in Sustainable Systems (3)  
USL 210: Service Learning: Intro to Diverse Community Issues (L & C) (3)  
USL 410: Service Learning: Diverse Community Issues (L & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Any student admitted to study at ASU may complete a certificate. Students should contact the School of Politics and Global Studies for more information about the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in political entrepreneurship through internships with their major program of study may become more marketable to employers. They often decide to pursue employment in government, lobbying, public affairs consulting or nonprofit organizations.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
spgs-ugadvising@asu.edu  
480-965-8563

## **Political History and Leadership Certificate (LAPTLCERT)**

**Campus:** Tempe

#### **Description:**

The certificate program in political history and leadership provides students with a strong foundation in the history of politics and political thought, with a special emphasis on the role of leadership. It prepares students for leadership in their own careers, political or otherwise.

Required courses combine academic study and mentoring contact with political, media and business leaders from the wider Phoenix area and Arizona communities while electives drawn from a variety of disciplines are used to broaden the scope of emphasis.

**Program Requirements:**

The certificate requires 15 credit hours, of which at least 12 must be upper-division. At least six upper-division hours must be completed in courses offered by The College of Liberal Arts and Sciences. All courses must be completed in residence at ASU and with a grade of "C" (2.00 on a 4.00 scale) or higher.

**Required Courses -- 6 credit hours**

HST 112 / POS 112: Foundations of Democracy (HU & H) (3)  
HST 414 / POS 414: Political History and Leadership (3)

**Elective Courses -- 9 credit hours**

Choose electives from at least two different disciplines. Available disciplines are African and African American studies, economics, history, justice studies, philosophy, political science, religious studies, and women and gender studies. A crosslisted course (such as HST 317 and POS 317) may be applied under either discipline, but not both.

**Upper Division Discipline Elective (9)****African and African American Studies**

AFR 330: Survey of African American Politics (SB & H) (3)

**Economics**

ECN 312: Intermediate Microeconomic Theory (SB) (3)  
ECN 313: Intermediate Macroeconomic Theory (SB) (3)  
ECN 315: Money & Banking (3)  
ECN 360: Economic Development (SB & G) (3)  
ECN 404: History of Economic Thought (SB) (3)

**History**

HST 302: History of Money (3)  
HST 302: Liberty & Revolution in Mod. Europe & the Americas (3)  
HST 302: War and Political Thought (3)  
HST 304: Ancient Political Thought (3)  
HST 304: Classical Political Thought (3)  
HST 304: Marxism and Its Critics (3)  
HST 304: Modern Political Economy (3)  
HST 304: Modern Political and Social Thought (3)  
HST 304: Political Thought in Early-Modern Europe (3)  
HST 304: Revolutions & Reactions in Mod Political Thought (3)  
HST 305: History of Latin American Political Thought (3)  
HST 306: American Political Conspiracy (3)  
HST 306: American Political Thought I: to 1865 (3)  
HST 306: American Political Thought II: Since 1865 (3)  
HST 306: American Slavery and the Struggle for Freedom (3)  
HST 306: The Civil War in Global Perspective (3)  
HST 306: Debating American Liberty (3)  
HST 306: Debating the Constitution (3)  
HST 306: Jacksonian America: Power & Politics in US 1828-61 (3)  
HST 306: Terrorism in U.S. Political History (3)  
HST 306: The Wealth and Poverty of Nations (3)  
HST 315: Political History of the U. S. (SB & H) (3)  
HST 317: History of Postwar U.S. Conservatism (3)  
HST 321: Constitutional History/US to 1865 (SB & H) (3)  
HST 322: Constitutional History of the United States Since 1865 (H) (3)

**Justice Studies**

JUS 308: Courts and Society (3)  
JUS 321: Wealth Distribution and Poverty (SB & C) (3)  
JUS 330: Survey of African American Politics (SB & H) (3)  
JUS 332: Politics of Energy Policy and Justice (3)  
JUS 360: Law and Social Control (SB) (3)

**Philosophy**

PHI 307: Philosophy of Law (HU) (3)  
PHI 336: Social and Political Philosophy (HU) (3)

PHI 347: Philosophical Theories of Constitutional Law (3)

#### Political Science

POS 310: American National Government (SB) (3)

POS 313: The Congress (SB) (3)

POS 314: The American Presidency (SB) (3)

POS 315: The Supreme Court (SB) (3)

POS 317: History of Postwar U.S. Conservatism (3)

POS 340: History of Political Philosophy I (HU & H) (3)

POS 341: History of Political Philosophy II (HU & H) (3)

POS 342: Political Theory (HU or SB) (3)

POS 346: Problems of Democracy (HU) (3)

POS 352: European Democracies (3)

POS 356: European Union (SB & G) (3)

POS 417: Arizona Politics (SB) (3)

POS 435: Women and Politics (SB & C) (3)

POS 442: American Political Thought (HU) (3)

POS 470: Law and the Political Order (SB) (3)

POS 471: Constitutional Law I (SB) (3)

POS 472: Constitutional Law II (SB) (3)

POS 485: Political Economy (SB) (3)

#### Religious Studies

REL 388: Religion, Ethics, and International Politics (3)

REL 420: Religion in American Life and Thought (HU) (3)

#### Women and Gender Studies

WST 377: History of American Feminist Thought (H & C) (3)

WST 440: Politics of Women's Health (SB & C) (3)

Additional upper-division courses from disciplines such as economics, history, justice studies, philosophy, public service and public policy, and religious studies may be used with the approval of the certificate co-directors.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

Students wishing to declare the certificate must meet with an academic advisor in the School of Historical, Philosophical and Religious Studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Career Opportunities:

Students become more marketable to employers and advance their career options when they have complemented their major program of study with this specialization in political history and leadership.

Students who complete this certificate often pursue employment as military and naval officers, staff for governors, members of congress, city council officials, county prosecutors, financial advisors and campaign strategists. Advanced degrees or certifications may be required for academic or clinical positions.

#### Contact Information:

Liberal Arts and Sciences, The College of

Historical, Philosophical & Religious Studies, Sch

<https://shprs.asu.edu/degree/certificate/certificate-political-history--leadership>

COOR 3307

SHPRSadvising@asu.edu

480-965-8364

## Power and Society Certificate (ASPWSOCERT)

Campus: West

**Description:**

The certificate program in power and society prepares students to think critically and practically about the relationship between power and society.

Courses in the program use multiple perspectives to explore the sources, exercise and consequences of power across a variety of social and historical settings. A special focus on gender is available across the spectrum of courses listed.

**Program Requirements:**

The certificate in power and society requires a minimum of 15 credit hours (at least 12 must be upper division). Six credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and a major. A maximum of three credit hours of individualized instruction or internship may be applied toward the certificate. Electives are not limited to the certificate elective list; see academic advisor prior to enrollment. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

Required Core Course -- 3 credit hours

POS 437 / SOC 437: Women, Power, and Politics (G) (3)

Electives (minimum 9 upper-division credit hours) -- 12 credit hours

Students will select 12 credit hours from relevant courses on power and society. Selected courses must come from at least two of the following prefixes to develop breadth across disciplines: ASB, JHR, POS, SBS or SOC.

ASB 211: Women in Other Cultures ((HU or SB) & G) (3)

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)

ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)

ASB 394: Special Topics or JHR 394: Special Topics or POS 394 / SBS 394 / SOC 394: Special Topics (3)

ASB 442 / SBS 460: Global Cities (SB & G) (3)

ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)

ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)

ASB 494 / JHR 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)

ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)

JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)

POS 150: Comparative Government (SB & G) (3)

POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) (3)

POS 350: Comparative Politics (SB & G) (3)

POS 357: South Asia Politics (SB & G) (3)

POS 361: American Foreign Policy (SB & G) (3)

POS 436: Gender, Sexuality, Nation-States (3)

POS 470: Law and the Political Order (SB) (3)

POS 480 / SBS 480: Global Justice (G) (3)

POS 486: International Political Economy (SB & G) (3)

SOC 264: Gender and Society (SB & C) (3)

SOC 371: Inequality and Sustainability (3)

SOC 426: Social Inequality (SB) (3)

SOC 457: Global Social Movements (SB & G) (3)

SOS 111: Sustainable Cities ((HU or SB) & G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

This certificate is open to students in any major. Students should contact an advisor in the New College of Interdisciplinary Arts and Sciences for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

The certificate program is recommended for students with academic or career interests in politics, government, economics, organizing and



advocacy, public affairs and public policy, journalism, social work, human rights, social justice, education and sustainability. Career paths include social work, public administration, public policy and criminal justice.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/power-and-society>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Professional Sales Certificate (BAPRSCERT)

**Campus:** Tempe

**Description:**

Designed for the nonmarketing business major, the certificate in professional sales was created for business students who are interested in pursuing the many opportunities in professional sales.

With the inclusion of courses in professional sales as well as sales management, this certificate program prepares students to be successful account managers or sales team leaders in both business-to-business and business-to-consumer settings.

An optional internship in sales is strongly encouraged as part of the professional sales certificate.

**Program Requirements:**

To receive the certificate, students must complete the specified business courses with a grade of "C" or better (2.00 on a 4.00 scale). No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

First Required Course -- 3 credit hours

MKT 300: Marketing and Business Performance or MKT 303: Honors Marketing Theory and Practice (L) (3)

Required Courses -- 6 credit hours

MKT 370: Professional Sales and Relationship Management (3)

MKT 410: Sales Management (3)

Electives (choose two) -- 6 credit hours

MGT 430: Negotiations (3)

MKT 435: Entrepreneurial Marketing (3)

MKT 441: Sports Revenue Generation (3)

MKT 484: Internship (3)

Notes: Internship in sales.

MKT 493: Honors Thesis (L) (3)

MKT 494: Strategic Selling Using Data and Technology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

This certificate program is open to current students in the W. P. Carey School of Business who are not in the marketing major. The certificate application is accessed and submitted through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in professional sales with their major program of study may become more marketable to employers.

They often decide to pursue employment in sales, marketing or procurement.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Business, W. P. Carey School of  
Department of Marketing  
<https://wpcarey.asu.edu/undergraduate-degrees/professional-sales-certificate>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Public Administration and Public Management Certificate (PPPAFCERT)

**Campus:** Downtown Phoenix

**Description:**

The certificate in public administration and public management is designed for students interested in public service as well as for undergraduate students who are interested in developing leadership skills or wish to enhance their degree in an existing major at ASU, for working adults who may wish to further their education yet may not be looking for a degree program, and for students of the BA in interdisciplinary studies who seek to combine certificates with their degree.

Students learn skills that enable them to analyze critical issues, build and bridge communities, deliver and manage public programs, improve the quality of life, lead change in public policy, preserve natural resources, provide public safety, reform welfare, and strengthen democratic governance.

**Program Requirements:**

The certificate in public administration and public management consists of 15 credit hours of coursework; students take 12 credit hours of core classes and three credit hours of elective courses.

Core Courses -- 12 credit hours

PAF 300: Public Management and Administration (3)

PAF 340: Contemporary Policy Challenges (3)

PAF 420: Managing Across Boundaries (3)

PAF 460: Public Service Ethics (3)

Elective -- 3 credit hours

PAF Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations, and private organizations whose work interfaces with the public sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/undergradminors>  
UCENT 400  
spa@asu.edu  
602-496-0450

# Religion and Conflict Certificate (LARELCERT)

**Campus:** Tempe

## **Description:**

A regional component provides students with specific regional knowledge of how religion has been implicated in human conflict. Required coursework in at least two different regions fosters a comparative understanding of the dynamics of religion and conflict in historical and global contexts.

A political component explores how religion influences or is influenced by matters of state, law, government or other dimensions of political life.

A cultural component provides students with an understanding of how religion operates as a powerful force that impacts and intersects with expressions of human identity, thought and culture.

## **Program Requirements:**

The certificate requires a minimum of 18 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least 12 credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

### Humanities and Social Sciences Requirement

At least six of the 18 credit hours must be fulfilled with courses from the humanities and at least three credit hours from the social sciences.

When choosing courses from the lists below, complete six credit hours from the following prefixes to fulfill the humanities requirement: ARB, CEL, CHI, FMS, GER, HEB, HST, IAS, JST, PHI, REL, or SLC.

When choosing courses from the lists below, complete three credit hours from the following prefixes to fulfill the social sciences requirement: AFR, COM, GCU, JUS, POS, SGS, SOC, or WST.

### Regional Component Courses -- 6 credit hours

Select two Regional Component Courses from two different geographic regions. Available regions are Africa, Asia, Europe, Middle East and United States. (6)

#### Regional Component: Africa

AFR 480 / REL 461 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)

GCU 328: Geography of Middle East and North Africa (SB & G) (3)

HST 307: Studies in African History (H) (3)

POS 359: African Politics and Society (SB & G) (3)

REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)

#### Regional Component: Asia

HST 302: Envisioning Peace (3)

HST 303: Modern China: Violence (3)

HST 384 / SLC 334: Modern China: 1700 to the Present (SB & G & H) (3)

HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)

HST 392: Modern India (3)

HST 451 / CHI 451 / SLC 451: Chinese Cultural History I ((HU or SB) & H) (3)

HST 452 / CHI 452 / SLC 452: Chinese Cultural History II (SB & G & H) (3)

HST 459: Gandhi and the Politics of Nonviolence (3)

REL 345: Asian Religious Traditions (HU & G) (3)

REL 347: Religions of India: Peace and Conflict ((L or HU) & G) (3)

REL 348: Religion and Culture in Southeast Asia (3)

REL 352: Modern Buddhism (3)

REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G) (3)

REL 364: Islam in Eurasia and Central Asia (3)

REL 377: Religion in Russia (HU & H) (3)

#### Regional Component: Europe

FMS 445 / GER 445 / JST 445 / SLC 445: The Holocaust in German-Mediated Memory (3)

HST 304 / JST 304: Rebirth of European Jewish Life after 1950 (3)

HST 350: Later Middle Ages ((HU or SB) & H) (3)

HST 352: Europe's Reformations ((L or HU or SB) & H) (3)

HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)

HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)

HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) (3)  
HST 369 / JST 369 / REL 312: History and Memory of the Holocaust (3)  
HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)  
REL 364: Islam in Eurasia and Central Asia (3)  
REL 377: Religion in Russia (HU & H) (3)  
REL 471: Reformation and Modern Christianity (HU & H) (3)

Regional Component: Middle East

ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)  
ARB 335: Arabic Culture and Islam (G) (3)  
ARB 341: Quran Text and Women (HU & H) (3)  
GCU 328: Geography of Middle East and North Africa (SB & G) (3)  
HST 372: Modern Middle East (SB & G & H) (3)  
POS 353: Comparative Politics of the Middle East (3)  
REL 364: Islam in Eurasia and Central Asia (3)  
REL 366 / HST 339: Islam in the Modern World (HU & G) (3)

Regional Component: United States

HST 211 / JST 211 / REL 211: Jews and Judaism in America (SB & H) (3)  
HST 315: Political History of the U. S. (SB & H) (3)  
REL 319: Religion, Violence and America (3)  
REL 320: American Religious Traditions (HU & C & H) (3)  
REL 321: Religion in America ((L or HU) & C & H) (3)  
REL 323: African American Religion (HU & C) (3)

Cultural Component -- 3 credit hours

ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)  
ARB 335: Arabic Culture and Islam (G) (3)  
ARB 341: Quran Text and Women (HU & H) (3)  
HEB 348 / JST 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)  
HST 302: Envisioning Peace (3)  
HST 302 / JST 302: Jews, Christians & Muslims in Early Modern World (3)  
HST 302 / JST 302: Jews, Christians & Muslims in the Medieval World (3)  
HST 302: Women, War and Peace (3)  
HST 304: History of Antisemitism (3)  
HST 304 / JST 304: Rebirth of European Jewish Life after 1950 (3)  
HST 352: Europe's Reformations ((L or HU or SB) & H) (3)  
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)  
HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) (3)  
HST 451 / CHI 451 / SLC 451: Chinese Cultural History I ((HU or SB) & H) (3)  
HST 452 / SLC 452: Chinese Cultural History II (SB & G & H) (3)  
HST 459: Gandhi and the Politics of Nonviolence (3)  
PHI 406 / IAS 406: Moral Dilemmas (L or HU) (3)  
REL 201: Religion and the Modern World (L or HU) (3)  
REL 202: Religion and Popular Culture (HU & C) (3)  
REL 300: The Future of Religions (L or HU) (3)  
REL 312 / HST 369 / JST 369: History and Memory of the Holocaust (3)  
REL 313: Anti-Semitism in the Media (3)  
REL 320: American Religious Traditions (HU & C & H) (3)  
REL 321: Religion in America ((L or HU) & C & H) (3)  
REL 345: Asian Religious Traditions (HU & G) (3)  
REL 352: Modern Buddhism (3)  
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G) (3)  
REL 363 / AFR 373: Islam and World Affairs (G) (3)  
REL 366 / HST 339: Islam in the Modern World (HU & G) (3)  
REL 369: Women in Islam (3)  
REL 377: Religion in Russia (HU & H) (3)  
REL 381: Religion and Moral Issues (L or HU) (3)  
REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)  
REL 411: Judaism and the Beginnings of Christianity (HU & H) (3)  
REL 461 / AFR 480 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)  
REL 471: Reformation and Modern Christianity (HU & H) (3)  
REL 483: Religion and Science (3)  
SOC 420: Sociology of Religion (L or SB) (3)

WST 345: Gender, Religion, and Global Violence (SB & G) (3)

WST 477: Gender and Violence (SB & C) (3)

Political Component -- 3 credit hours

CEL 100: Great Ideas of Politics and Ethics (HU) (3)

COM 312: Communication, Conflict, and Negotiation (3)

COM 377: Communication, Terrorism, and National Security (3)

HST 315: Political History of the U. S. (SB & H) (3)

HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)

HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)

HST 372: Modern Middle East (SB & G & H) (3)

HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)

HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)

HST 454: History of Genocide (G & H) (3)

JUS 374: The Holocaust, Genocide, and Human Rights (3)

JUS 467: Terrorism, War, and Justice (SB) (3)

POS 353: Comparative Politics of the Middle East (3)

POS 359: African Politics and Society (SB & G) (3)

POS 364: National Security, Intelligence, and Terrorism (SB) (3)

POS 368: Ethics and Human Rights (3)

REL 107 / SGS 107: Religion and Globalization (HU & G) (3)

REL 349 / JST 349 / HPS 349 / SOS 349: Nature, Sustainability and Religion (3)

REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)

REL 363 / AFR 373: Islam and World Affairs (G) (3)

REL 364: Islam in Eurasia and Central Asia (3)

REL 378 / POS 378: Religion, War and Peace (L) (3)

REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)

REL 387: Religion and Conflict: Theories and Cases ((L or HU) & G) (3)

REL 388 / POS 388: Religion, Ethics, and International Politics (3)

REL 480 / SGS 441: Religion and Global Politics (L & G) (3)

SGS 340: Violence, Conflict and Human Rights (3)

WST 345: Gender, Religion, and Global Violence (SB & G) (3)

Electives (two courses) -- 6 credit hours

Certificate Electives (6)

Students select electives from any of the course lists above, keeping in mind that at least 12 credit hours within the certificate must be upper-division.

In some cases, the same course can be used to fulfill more than one requirement. For more information, please contact the certificate director in the Center for the Study of Religion and Conflict.

If a course is used to meet more than one component requirement above, additional electives may be required to meet the 18 credit hour minimum. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

To declare the certificate, students should contact the certificate director in the Center for the Study of Religion and Conflict:

<https://csrc.asu.edu/students/certificate> (<https://csrc.asu.edu/students/certificate>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Students can become more marketable and advance their career options with an undergraduate certificate. The certificate in religion and conflict complements their major program of study with specialized knowledge and enables them to demonstrate broad intellectual curiosity and skills.

Students who complete this certificate often decide to pursue employment in journalism, law, policy work, diplomacy, the military, public advocacy, publishing, education, ministry and other fields in which an enhanced understanding of religion and conflict is becoming increasingly vital. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://csrc.asu.edu/students/certificate>  
WHALL 130  
csrc@asu.edu  
480-727-6339

## Risk Communication Certificate (ASRCMCERT)

**Campus:** West

**Description:**

The rising importance of the field of risk communication stems from the need to name, understand and manage physical and social risks as society is faced with increasingly challenging decisions concerning stressed social and environmental infrastructures.

Proficiency in risk communication requires understanding the complex interfaces of physical, biological, psychological and social systems. In response, the certificate program in risk communication combines the strengths of the three schools within the New College of Interdisciplinary Arts and Sciences: the School of Social and Behavioral Sciences, the School of Mathematical and Natural Sciences and the School of Humanities, Arts and Cultural Studies.

The program prepares students for a range of diverse careers in risk management, crisis communications and environmental public affairs. Specifically, students develop expertise suited to work as risk management specialists and environmental advocates, preparing them to translate complex scientific ideas and analyses into information that can be evaluated meaningfully by all members of society.

**Program Requirements:**

The certificate in risk communication requires 15 credit hours (a minimum of 12 credit hours must be upper division). Eight credit hours must be unique and not already being counted toward degree requirements in communication or environmental science. Other electives can be chosen in consultation with an academic advisor. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

BIO 130: Introduction to Environmental Science (SQ) or ENV 201: Fundamentals of Environmental Science (3-4)

Notes: ENV 201 is required for Environmental Science or Biology majors only.

COM 415: Risk Communication (3)

Elective Courses (choose three) -- 9 credit hours

COM 319: Persuasion and Social Influence (SB) (3)

COM 414: Crisis Communication (3)

COM 450: Organizational Communication (SB) (3)

COM 454: Rhetorical and Critical Approaches to Public Relations (3)

COM 463: Intercultural Communication in a Global Context (SB & G) (3)

IAS 340 / PHI 320: Bioethics (HU) (3)

IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)

IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)

LSC 362: The Human Environment (3)

PTX 301: Basics of Pharmacology and Toxicology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students wishing to pursue this certificate should consult an academic advisor in the School of Mathematical and Natural Sciences or the School of Social and Behavioral Sciences to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates of this program work with local government agencies and law enforcement, public relations organizations, advertising, marketing and insurance.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/risk-communication>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Risk Management Certificate (BARMGTCERT)

**Campus:** Polytechnic

**Description:**

The certificate program in risk management gives students a solid foundation in the theory and practice of modern risk management.

The concept of enterprise risk management is highlighted at the onset of the certificate curriculum, emphasizing that risks and risk management strategies must be considered holistically at the firm level, not in isolation.

Upon completion of the certificate, students are able to identify and measure a variety of business and financial risks and design and articulate strategies for managing and communicating risks.

**Program Requirements:**

This certificate requires 18 credit hours. A grade of "C" or better is required for all coursework. No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Courses -- 9 credit hours

BUS 434: Business Risk Management (3)

BUS 436: Frontiers in Risk Management (3)

FIN 300: Fundamentals of Finance or FIN 302: Managerial Finance or FIN 303: Honors Finance (3)

Elective Courses (select three) -- 9 credit hours

AGB 435: Commodity Futures and Options Markets (3)

BUS 384: Business Operations and Planning or SCM 432: Planning and Control Systems for Supply Chain Management (3)

COM 414: Crisis Communication (3)

FIN 421: Security Analysis and Portfolio Management (3)

FIN 427: Derivative Financial Securities (3)

IEE 454: Risk Management (3)

OGL 421: Project Risk Management (3)

SCM 314: Analytics for Logistics or SCM 315: Business Decision Models (3)

TGM 460: Global Risk Assessment and Management (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The certificate in risk management is open to all students. The certificate application is accessed and submitted through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in risk management helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate often decide to pursue employment in compliance and management. Advanced degrees or

certifications may be required for academic or clinical positions.

**Contact Information:**

Business, W. P. Carey School of  
Morrison School of Agribusiness  
<https://wpcarey.asu.edu/undergraduate-degrees/programs>  
SANTN 230F  
wpcarey.morrison@asu.edu  
480-727-1586

## Russian and East European Studies Certificate (LAREECERT)

**Campus:** Tempe

**Description:**

The certificate in Russian and East European studies encourages students to develop competency in Russian or another East European or Eurasian language as well as the culture and politics of the region.

Coursework leading to the certificate is offered by outstanding faculty in diverse fields of study including architecture, economics, film studies, geography, history, international business, literature, music, political science and religious studies.

A one-credit capstone course, to be completed in the student's junior or senior year, is student-led; with the support of an advisor, students write a research paper on the Russian and East European studies topic of their choice, prepare a writing sample or a graduate school application, or work on a creative project.

A student with a major in any school or department may pursue this certificate and develop a personalized plan of study in cooperation with an advisor at the Melikian Center.

**Program Requirements:**

The certificate in Russian and East European Studies requires a minimum of 20 credit hours, of which at least four must be a language course and at least 12 must be upper-division. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses used toward the certificate.

Language Requirement -- 4 credit hours

Students may complete one 4-credit hour language course from BCS, PLC, ROM, or RUS, or they may complete the Albanian, Armenian, BCS, Kazakh, Macedonian, Polish, Russian, Turkish, Ukrainian, and Uzbek courses offered by the Critical Languages Institute (<https://melikian.asu.edu/cli>) to fulfill the language requirement.

NOTE: Native speakers of a language must complete four credit hours in a different language to fulfill this requirement.

- BCS 101: Elementary Serbo-Croatian (G) (4)
- BCS 102: Elementary Serbo-Croatian (G) (4)
- BCS 201: Intermediate Serbo-Croatian (4)
- BCS 202: Intermediate Serbo-Croatian (4)
- BCS 311: Bosnian/Croatian/Serbian Composition and Conversation I (3)
- BCS 312: Bosnian/Croatian/Serbian Composition and Conversation II (3)
- PLC 101: Elementary Polish (4)
- PLC 102: Elementary Polish (4)
- PLC 201: Intermediate Polish (4)
- PLC 202: Intermediate Polish (4)
- PLC 311: Advanced Polish I (3)
- PLC 312: Advanced Polish II (3)
- ROM 101: Elementary Romanian (5)
- ROM 201: Intermediate Romanian (5)
- ROM 313: Romanian Composition and Conversation (3)
- ROM 314: Romanian Composition and Conversation (3)
- ROM 411: Advanced Spoken and Written Romanian I (3)
- ROM 412: Advanced Spoken and Written Romanian II (3)
- RUS 101: Elementary Russian I (5)
- RUS 102: Elementary Russian II (5)
- RUS 201: Intermediate Russian I (G) (5)
- RUS 202: Intermediate Russian II (G) (5)
- RUS 211: Basic Russian Conversation I (G) (3)
- RUS 212: Basic Russian Conversation II (G) (3)
- RUS 311: Russian Composition and Conversation I (G) (3)



RUS 312: Russian Composition and Conversation II (G) (3)

Required Certificate Electives (choose two) -- 6 credit hours

ENG 429 / SLC 429: What is Europe? ((L or HU) & G & H) (3)

GCU 426: Geography of Russia and Surroundings (SB & G) (3)

HST 304: Russia: Empire of the Tsars, 1650-1917 (3)

HST 304: Russia & Ukraine: Understanding the Crisis (3)

HST 304: Stalin to Putin (3)

HST 304: Stalinism: Society & Culture in Sov Un, 1924-1953 (3)

HST 370: Eastern Europe in Transition (SB & G & H) (3)

HST 435: The Russian Empire (SB & H) (3)

HST 436: Rise & Fall of Soviet Communism (SB & G & H) (3)

POS 352: European Democracies (3)

REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)

RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)

SGS 344: Facing the Past: Truth, Memory, Denial After Atrocities (3)

Other HST 304 topics appropriate to the certificate's regional focus may be used with the approval of the certificate advisor.

Courses shown above not used to satisfy a Required Certificate Elective may be used as an Area-Related Elective.

Area-Related Electives -- 9 credit hours

APH 300: World Architecture I/Western Cultures (HU & H & G) (2)

APH 313: History of Architecture I ((L or HU) & G & H) (3)

APH 314: History of Architecture II ((L or HU) & G & H) (3)

ENG 333: American Jewish Literature during the Cold War (3)

ENG 435: Literatures and Cultures of Immigration and Diaspora (3)

GCU 325: Geography of Europe (SB & G) (3)

HST 294 / HON 294: Russian Pop Culture: Protest and Propaganda (3)

HON 394: Amazons to Fighter Pilots:HistoryofWarSex&Gender (3)

HON 394: Archaeology of the Silk Roads (3)

HON 394: Dictatorship & the Twentieth Century (3)

HON 394: Love,Hospitality,Belonging:LivesBetweenEurope&Asia (3)

HON 394: Mummies and Marauders, Merchants and Monks (3)

HON 394: Points of Entry:Space&Place in Eurasian Borderland (3)

HST 302: WWII in Comparative Perspective (3)

HST 304: A Survey of Soviet History (3)

HST 304: Black Death: Pandemic Disease in the Medieval World (3)

HST 304: Fascism: Italy, Germany, and Beyond (3)

HST 304 / JST 304: Exiles, Migrants, Refugees in Jewish History (3)

HST 304: Nazi Germany (3)

HST 350: Later Middle Ages ((HU or SB) & H) (3)

HST 354: Revolutionary Europe (SB & H) (3)

HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)

HST 356: Europe since 1945 (SB & G & H) (3)

HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)

HST 369: History and Memory of the Holocaust (3)

HST 429: Modern Germany (SB & G & H) (3)

HST 430: The Ottoman Empire in the Classical Period (3)

HST 495: Russian Revolution (L) (3)

HST 495: World War II in Poland (L) (3)

IDS 313: Identity and Conflict in Europe (3)

MHL 494: Music of the Silk Road (3)

POS 305: Conflict and Film (SB) (3)

POS 352: European Democracies (3)

POS 394: Gender and Armed Conflict (3)

POS 394: History & Politics of the United Nations: Model I (3)

POS 486: International Political Economy (SB & G) (3)

POS 494 / SGS 494: Democratic Erosion (3)

POS 598: Politics of Authoritarian Rule (3)

REL 301: Comparative Mysticism (HU) (3)

REL 365: Islamic Civilization (HU & H) (3)

REL 366: Islam in the Modern World (HU & G) (3)

REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)

RUS 141: Russian Civilization: From Tsars to Putin ((L or HU) & G & H) (3)  
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)  
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)  
RUS 421: Pushkin (L or HU) (3)  
RUS 423: Dostoevsky and Tolstoy (L or HU) (3)  
RUS 425: Chekhov and Russian Drama (L or HU) (3)  
RUS 430: Russian Short Story (L or HU) (3)  
RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (L or HU) (3)  
RUS 440: Russian Mass Media (G) (3)  
SGS 341: Humanitarian Crisis and International Intervention (3)  
SGS 344: Facing the Past: Truth, Memory, Denial After Atrocities (3)  
SGS 370: Geopolitics (3)  
SLC 212: Language and Culture Clash ((HU or SB) & G) (3)  
SLC 304 / SLV 304: Digital Humanities for Language Majors (CS) (3)  
SLC 429: Politics & Culture in European Short Fiction ((L or HU) & G & H) (3)  
SLC 442 / ROM 442: Dracula and Vampire Lore ((L or HU) & G & H) (3)  
SLV 440: History of Slavic Languages (SB) (3)

Students complete the minimum 12 credit upper-division requirement with at least 6 credit hours of electives selected from the above list. Arranged honors theses and upper-division colloquia with Melikian Center faculty affiliates may also be used toward this requirement. An additional required or area-related elective OR an additional language course must be used toward the fulfillment of the 20 credit-hour requirement.

Capstone Project -- 1 credit hours

LIA 494: REES Certificate Capstone (1)

In their junior or senior year, students will complete the 1-credit REES Certificate Capstone. This can be in the form of a reading course offered by the Melikian Center OR a project chosen in cooperation with a Melikian Center faculty affiliate. The project should represent an extended, research-based focus on some dimension of the region's languages, cultures, religions, histories, and/or politics. It may take the form of an extended research paper, honors thesis, translation project, research assistantship, or internship.

Other courses may be used with the approval of the certificate advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

For more information or to add the certificate, students should contact Melikian Center Associate Director, Dr. Irina Levin, at ilevin3@asu.edu or 480-965-4174.

NOTE: Students are not to schedule an appointment with a School of Historical, Philosophical and Religious Studies advisor to enroll in the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree.

#### **Career Opportunities:**

Students who complete the Russian and East European studies certificate enhance their prospects for highly selective study abroad fellowships, including Fulbright, Boren, and CLS, and for admission to graduate study. Certificate holders may also qualify for unique entry-level government employment opportunities at agencies such as the State Department and the NSA.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://melikian.asu.edu/>  
CPCOM 331  
melikiancenter@asu.edu  
480-965-4188

## **Sales and Marketing Essentials Certificate (BASMECERT)**

**Campus:** Tempe

#### **Description:**

Designed for undergraduate nonbusiness majors, the certificate program in sales and marketing essentials offers a set of courses that cover

indispensable marketing knowledge in a wide variety of marketing application domains.

Students are required to enroll in two fundamental courses in marketing and also choose three additional courses from a larger set (services marketing, business marketing, global marketing, sports business and advertising) to tailor the certificate to their particular interests.

While some courses are offered in a face-to-face setting, the entire certificate is offered via iCourse for flexibility and convenience.

#### **Program Requirements:**

The certificate in sales and marketing essentials requires 15 credit hours. The entire certificate may be completed online.

To receive the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

Required Courses -- 6 credit hours

MKT 390: Essentials of Marketing (3)

MKT 391: Essentials of Selling (3)

Elective Courses (choose three) -- 9 credit hours

MKT 392: Essentials of Business Marketing (3)

MKT 395: Essentials of Advertising and Marketing Communication (3)

MKT 396: Essentials of Services Marketing (3)

MKT 397: Essentials of Global Marketing (3)

MKT 398: Essentials of Sports Business (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

This certificate program is for nonbusiness majors only. The certificate application may be accessed and submitted online through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in sales and marketing essentials with their major program of study may become more marketable to employers, and they often decide to pursue employment in sales or marketing.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Business, W. P. Carey School of

Department of Marketing

<https://wpcarey.asu.edu/undergraduate-degrees/sales-marketing-certificate>

BA 160

[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)

480-965-4227

## **School Nutrition Certificate (ECNTRCERC)**

**Campus:** Downtown Phoenix

#### **Description:**

The certificate in school nutrition is for current degree-seeking students and post-baccalaureate students who are interested in qualifying to sit for the school nutrition specialist credential offered by the School Nutrition Association. This certificate program provides a higher level of information on the requirements to run a school food service operation and offers students insight into the rules and regulations of the National School Lunch Program. More information for this credential is available at <https://schoolnutrition.org/certificate-and-credentialing/certificate-program/how-to-earn-your-certificate/> (<https://schoolnutrition.org/certificate-and-credentialing/certificate-program/how-to-earn-your-certificate/>).

Individuals must complete 900 working hours in a school nutrition or food service environment before they are eligible to sit for the national exam. There is also a cost associated with taking the exam, and more information can be found at <https://schoolnutrition.org/certificate-and-credentialing/credentialing-program/sns-benefits-reqs-fees/> (<https://schoolnutrition.org/certificate-and-credentialing/credentialing-program/sns-benefits-reqs-fees/>).

### **Program Requirements:**

The certificate requires that students take the following courses, for a total of 29-31 credit hours. Students must earn a minimum grade of "C" in all courses in the certificate.

Required Courses -- 29 credit hours

ACC 382: Accounting and Financial Analysis (3)

HEP 100: Introduction to Health and Wellness (SB) or EXW 302: Fundamentals of Wellness (L) or EXW 325: Fitness for Life (3)

HSC 355: Eating for Lifelong Health (SB) or NTR 450: Nutrition in the Life Cycle (SB) (3)

NTR 142: Applied Food Principles (3)

NTR 343: Food Service Purchasing (3)

NTR 344: Nutrition Management and Leadership (L) (3)

NTR 345: Development of Healthy Cuisines or NTR 341: Medical Nutrition Therapy I (3)

NTR 400: Preprofessional Preparation in Dietetics or NTR 401: Preprofessional Preparation in Nutrition (1-3)

NTR 445: Management of Food Service Systems (3)

NTR 448: Community Nutrition (L) (3)

NTR 498: Child Nutrition Seminar (1)

Required credit hours vary from 29-31 depending on whether students take NTR 400 for 1 credit hour, or NTR 401 for 3 credits hours.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Interested students should speak with their academic advisor.

### **Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in school nutrition can help students gain entry-level school food service positions such as food service manager, child nutrition coordinator, food service worker, school food menu planner or child nutrition manager.

### **Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## **Secondary Education Certificate (TESEDCERT)**

**Campus:** Polytechnic, Tempe, West, ASU@Lake Havasu, ASU@The Gila Valley

### **Description:**

The secondary education certificate program prepares students who wish to teach students enrolled in grades 6-12. While students develop a strong content background, the secondary education certificate program focuses on developing the requisite teaching knowledge and abilities for successfully teaching middle or high school students. In order to integrate teacher preparation with the academic specialization, Mary Lou Fulton Teachers College collaborates and communicates with academic departments throughout the university. Professional experiences and residency are required components of this certificate.

Students who complete this certificate program are issued an institutional recommendation for certification in Arizona. Students desiring to teach in

a public school must also pass the Professional Knowledge Arizona Educator exam (either the National Evaluation Series or the Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

The secondary education undergraduate certificate is also available for students who have earned a bachelor's degree; this is considered a nondegree graduate pathway.

**Program Requirements:**

The certificate requires completion of 30 credit hours.

Required Courses -- 15 credit hours

BLE 407: SEI for Secondary Students (L) (3)

RDG 323: Literacy Processes in Content Areas (3)

SED 322: Classroom Leadership in Secondary Schools (L) (3)

SPE 417: Inclusion Practices at the Secondary Level (3)

TEL 311: Instruction and Management in the Inclusive Classroom (3)

Methods Course (choose one) -- 3 credit hours

Please consult with MLFTC academic advisor to select appropriate subject methods course.

BIO 480: Methods of Teaching Biology (3)

CHM 480: Methods of Teaching Chemistry (3)

ENG 480: Methods of Teaching English: Composition (L) (3)

ENG 482: Methods of Teaching English: Language (L) (3)

HST 480: Methods of Teaching History: Classroom Resources (3)

MTE 482: Methods of Teaching Mathematics in Secondary School (3)

MTE 485: Teaching Standards-Based Middle and High School Mathematics (3)

PHY 480: Methods of Teaching Physics (3)

SED 403: Secondary Principles, Curriculum and Methods (3)

SED 480: Special Methods of Teaching Social Studies (3)

SED 482: Science Teaching Methods for Secondary Schools (3)

SES 480: Teaching Earth and Space Sciences (3)

SLC 479: Introduction to Teaching Foreign Languages (3)

Required Clinical Experiences -- 12 credit hours

SED 396: Clinical Experience I or SED 398: Clinical Experience or SED 397: Clinical Experience II or SED 496: Clinical Experience III (1-3)

Notes: During your clinical experience internship(s) you will work alongside a lead teacher, in a 6-12th grade classroom.

SED 478: Student Teaching: Secondary Education (Grades 6-12) (11-12)

Notes: Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester. Degree requirements for a student's major must be completed prior to student teaching.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students interested in pursuing the secondary education certificate should be enrolled as a degree-seeking undergraduate student. This program is also available to students in the Phoenix area or Gila Valley area (Morenci) who have already completed a bachelor's degree and want to be certified to teach. Students interested in this option apply to ASU as a nondegree-seeking graduate student.

Students interested in this program should have content knowledge in one of the following areas, demonstrated by having a minimum of 24 credit hours in coursework for the major or a passing score on appropriate teacher certification exam: biology, business, chemistry, Chinese (Mandarin), earth and space science, economics, English, French, general science, geography, German, history, mathematics, physics, political science or Spanish.

Students should have a valid Arizona DPS Identity Verified Print fingerprint clearance card.

A GPA of 2.50 is required for progression into the final semester of student teaching. Students should contact the Mary Lou Fulton Teachers College for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

The secondary education certificate prepares students for the high-demand, secure field of education.

Graduates who have combined the certificate in secondary education with their major program of study may become more marketable to employers. They often decide to pursue employment as a middle-school teacher, a high school teacher or an educator at a community-serving organization.

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu/>  
ED 120  
[educationadvising@asu.edu](mailto:educationadvising@asu.edu)  
480-965-5555

## Security Studies Certificate (PPSCSCERT)

**Campus:** Downtown Phoenix

**Description:**

The security studies certificate program provides students with the skills and credentials necessary to expand their employment opportunities in corporate and public security.

Through the 24 credit hour curriculum, students receive extended education in transdisciplinary topics such as accounting, computer studies and information systems, and crime analysis and in advanced crime and law courses. Upon completion of this certificate, students are well equipped to have fluid conversations with professionals from different backgrounds about security, whether corporate or private.

**Program Requirements:**

Required Core Courses -- 12 credit hours

ACC 382: Accounting and Financial Analysis (3)  
CIS 105: Computer Applications and Information Technology (CS) (3)  
CRJ 201: Criminal Justice Crime Control Policies and Practices (3)  
CRJ 419: Domestic Terrorism (3)

Select two courses from the following

-- 6 credit hours

CRJ 410: Criminal Procedure: The Law of Investigations (3)  
CRJ 412: International Terrorism (3)  
CRJ 450: Crime Analysis (3)  
CRJ 463: White Collar Crime (3)  
CRJ 464: Organized Crime (3)

Select one course from the following -- 3 credit hours

CIS 235: Introduction to Information Systems (3)  
CPI 101: Introduction to Informatics (CS) (3)  
CSE 100: Principles of Programming with C++ (CS) (3)  
CSE 110: Principles of Programming (CS) (3)  
CSE 180: Computer Literacy (CS) (3)

Select one course from the following -- 3 credit hours

CRJ 484: Internship (3)  
LAW 480: The Law of Business Organizations (3)  
LES 305: Business Law and Ethics for Managers (3)

A grade of "C" (2.00 on a 4.00 scale) or better is required for all coursework.

Bachelor of Science in criminology and criminal justice majors who are also pursuing the security studies certificate may not use CRJ 410, CRJ 412, CRJ 450, CRJ 463, CRJ 464, and CRJ 494 towards both their degree and certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students should meet with an academic advisor from the School of Criminology and Criminal Justice to formally add the certificate to their degree plan.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates of the security studies certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in corporate and public security, as well as in criminal justice agencies (federal, state and local). Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Criminology and Criminal Justice  
<https://ccj.asu.edu>  
UCENT 600  
SCCJAdvising@asu.edu  
602-496-2356

## Small Business and Entrepreneurship Certificate (BASMBCERT)

**Campus:** Tempe

**Description:**

In the certificate program for small business and entrepreneurship, students learn how to launch their own business or work with small or startup operations. Course topics include small business, entrepreneurship and business plan development. Classroom work is complemented by frequent interaction with successful founders and leaders of entrepreneurial ventures.

**Program Requirements:**

The small business and entrepreneurship certificate requires 15 credit hours to complete. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Courses -- 9 credit hours

ENT 305: Principles of Entrepreneurship (3)  
ENT 360: Entrepreneurship and Value Creation (3)  
ENT 441: Entrepreneurial Management (3)

Elective (choose one) -- 3 credit hours

ENT 446: Venture Capital Experience (3)  
ENT 447: Lean Launch (3)  
ENT 448: Corporate Entrepreneurship (3)  
ENT 464: Collaborative Design Development I (L) (5)  
ENT 465: Collaborative Design Development II (L) (5)  
MKT 435: Entrepreneurial Marketing (3)  
MKT 440: Creating Digital Experiences (3)

Small Business Elective (choose one) -- 3 credit hours

ACC 350: Internal Reporting (3)  
ACC 430: Taxes and Business Decisions (3)  
CIS 300: Web Design and Development (3)  
CIS 308: Advanced Excel in Business (3)  
CIS 309: Business Process Management (3)  
CIS 315: Introduction to Business Data Analytics (3)  
CIS 425: Web Technologies for the Enterprise (3)  
CIS 440: Capstone in Information Systems (L) (3)  
ECN 360: Economic Development (SB & G) (3)  
ECN 410: Applied Regression Analysis and Forecasting (3)  
ENT 340: Creativity and Innovation (L or HU) (3)  
ENT 484: Internship or MGT 484: Internship (3)

FIN 361: Advanced Managerial Finance (3)  
FIN 461: Financial Cases and Modeling (L) (3)  
MGT 394: Women and Leadership in Business Today (3)  
MGT 411: Leading Organizations (3)  
MGT 430: Negotiations (3)  
MGT 450: Consulting Projects (L) (3)  
MKT 365: Advertising and Beyond: Customer-Centric Brand Development (3)  
MKT 402: Consumer Behavior (3)  
MKT 410: Sales Management (3)  
SCM 344: Applied Logistics Management (3)  
SCM 345: Logistics Management (3)  
SCM 355: Supply Management (L) (3)  
SCM 440: Quality Management/Measurement (3)  
SCM 445: Advanced Logistics Management (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

The certificate in small business and entrepreneurship is available only to business majors at ASU. Students majoring in business entrepreneurship or management (entrepreneurship) are not eligible to pursue this certificate. The certificate application is accessed and submitted through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

No more than six credit hours may be shared between certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in small business and entrepreneurship helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate often decide to pursue employment in management or sales. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees/small-business-entrepreneurship-certificate>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## **Social Science Research Methods Certificate (LASSRMCERT)**

**Campus:** Tempe

#### **Description:**

The certificate program in social science research methods prepares students to acquire, manage and analyze a broad range of data on human thought and human behavior. Data can be qualitative (e.g., text, images, sound) or quantitative (e.g., direct observation, surveys, GIS).

Data acquisition skills may include the downloading and managing of information from online sources or the primary collection of data in surveys or by direct observation. A key feature of this program is a focus on data analysis so students are able to analyze any data they collect.

All students in this program demonstrate skills in statistical analysis plus skills in a selection of methods related to their interests.

#### **Program Requirements:**

The certificate requires 18 credit hours. A minimum of a "C" grade (2.00 on a 4.00 scale) in each course is required.



Required Course -- 3 credit hours

GIS 469 / SOC 469: Multivariate Statistics for Social Sciences or STP 452: Multivariate Statistics (3)

Electives (choose at least four courses for a minimum of 12 credit hours) -- 12 credit hours

ACO 100: All About Data: Design, Query, and Visualization (CS) (3)

ACT 435: Statistics for Risk Modeling (3)

ACT 450: Actuarial Models and Modeling I (3)

ALA 235: Introduction to Computer Modeling (CS) (3)

AML 253: Introduction to Mathematical Tools and Modeling for the Life and Social Sciences (3)

AML 441: Mathematical Concepts and Tools in Sustainability (3)

ASM 494: Models in Social Evolution (3)

BME 301: Numerical Methods in Biomedical Engineering (2)

BMI 211: Modeling Biomedical Decisions (3)

BMI 311: Modeling Biomedical Knowledge (3)

BMI 312: Modeling Biomedical Data (3)

BMI 461: Advanced Topics in Biomedical Informatics I (3)

BMI 462: Advanced Topics In Biomedical Informatics II (3)

COM 308: Advanced Research Methods in Communication (L) (3)

COM 407: Advanced Critical Methods in Communication (3)

CRJ 303: Statistical Analysis (CS) (3)

ECN 410: Applied Regression Analysis and Forecasting (3)

ECN 416: Game Theory and Economic Behavior (3)

EDP 454: Statistical Data Analysis in Education (CS) (3)

FAS 361 / SOC 391: Research Methods (L or SB) (3)

FAS 498: Advanced Statistics for Social Sciences (3)

GCU 351: Population Geography (SB & G) (3)

GCU 373: Introduction to Geographic Information Science (SG) (4)

GCU 442: Geographical Analysis of Transportation (SB) (3)

GCU 496: Geographic Research Methods (L) (3)

GIS 311: Geographic Information Science III (CS) (4)

GIS 322: Programming Principles in GIS II (3)

GIS 341: Cartography and Georepresentation (CS) (3)

GIS 431: Spatial Databases (3)

GIS 441: Geographics: Interactive and Animated Cartography and Geovisualization (CS) (3)

GIS 461 / PUP 481: Fundamentals of Spatial Optimization (3)

GIS 462: Location Analysis and Modeling (3)

GIS 470: Advanced Statistics for Geography and Planning (CS) (3)

GIS 471: Spatial Statistics for Geography and Planning (3)

GIS 472: Spatial Regression Analysis (3)

GPH 494: Advanced Digital Analysis (3)

HSE 290: Experimental Methods for Human Systems Research (L) (3)

HSE 390: Qualitative Research Methods (L) (3)

IFT 200: Information Modeling, Storage and Retrieval (3)

MKT 352: Marketing Research (L) (3)

POS 301 / SGS 305: Empirical Political Inquiry (SB) (3)

POS 401 / SGS 401: Political Statistics (CS) (3)

PUP 424: Planning Methods (4)

PSY 330: Statistical Methods (CS) (3)

SBS 302: Qualitative Methods (3)

SBS 404: Social Statistics II: Multivariate Analysis (CS) (3)

SOC 389 / SBS 389 / ASB 389: Ethnographic Field Lab (1-6)

SOS 211: Calculus and Probability for the Life and Social Sciences (MA) (3)

STP 280: Probability and Statistics for Researchers (CS) (3)

STP 310: Design and Analysis of Experiments (3)

STP 311: Regression and Time Series Analyses (3)

STP 315: Statistical Computing (3)

STP 420: Introductory Applied Statistics (CS) (3)

STP 421: Probability (3)

STP 425: Stochastic Processes (3)

STP 429: Applied Regression (CS) (3)

STP 450: Nonparametric Statistics (3)

STP 460: Categorical Data Analysis (3)

TWC 301: Fundamentals of Writing for Digital Media (L) (3)

TWC 411: Principles of Visual Communication (L) (3)

Required Capstone Course -- 3 credit hours

ASB 499: Individualized Instruction or an equivalent capstone course approved by academic advisor (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

The demand in the job market is for people with a skill set to solve complex problems. There is a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data to address these challenges.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- directing nonprofit organizations
- directing programs in the private or public sector

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu/>  
SHESC 233  
shesc.undergrad@asu.edu  
480-965-6215

## Social Transformation Certificate (LASOTCERT)

**Campus:** Tempe

**Description:**

Students enrolled in the certificate program examine how varied communities have faced and solved the needs of social change. They consider how to apply what they have learned in identifying just solutions to the social problems currently facing society. The areas of focus include a variety of themes such as:

- civil rights movements
- democracy movements
- gender equality
- gender justice
- immigration
- labor movements

**Program Requirements:**

The certificate requires a minimum of 15 credit hours, of which at least 12 credit hours must be completed at the upper-division level. A minimum of 12 credit hours must be completed at ASU. Courses for the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours

APA 220 / JUS 220 / SST 220: Introduction to Social Transformation (3)

SST 484: Internship or SST 499: Individualized Instruction (3)

Electives (Choose three) -- 9 credit hours

AFR 325 / JUS 326: Music as Political Discourse: Reggae, Calypso, and Hip Hop (HU & H & G) (3)

AFR 365 / WST 364: Unruly Voices: Black Women and Cultural Narratives (HU & C) (3)

AFR 420: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)  
AFR 470: Women's International Human Rights (3)  
APA 350: Inequality and Diversity in Education (L & C) (3)  
COM 312: Communication, Conflict, and Negotiation (3)  
COM 341: Social Contexts for Performance (3)  
ENG 333: American Ethnic Literature (3)  
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)  
ENG 371: Rhetoric of the Environmental Movement (3)  
HST 306: Studies in United States History (3)  
HST 354: Revolutionary Europe (SB & H) (3)  
JUS 320: Community and Social Justice (SB & C) (3)  
JUS 321: Wealth Distribution and Poverty (SB & C) (3)  
JUS 350: Immigration and Justice (SB & C) (3)  
JUS 375: Justice and the Mass Media (SB) (3)  
JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)  
JUS 444: Environment and Justice (L & C) (3)  
JUS 460: Feminism and Justice (C) (3)  
JUS 497: Digital Activism (3)  
NLM 410: Social Entrepreneurship (3)  
PAF 305: Urban Governance (3)  
REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)  
SOC 352: Social Change (SB & G & H) (3)  
TCL 340: Chicana/o and Latina/o Politics and Policy (L & C) (3)  
TCL 341: Latinas/os and the City (C) (3)  
THP 482: Theatre for Social Change (C) (3)  
WST 375: Women and Social Change (SB & C) (3)  
WST 377: History of American Feminist Thought (H & C) (3)  
WST 378: Global Feminist Theory (L & G) (3)  
WST 380: Race, Gender, and Class (SB & C) (3)

Courses in addition to those in the list above may be used with the approval of an academic advisor in the School of Social Transformation. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates who have combined the certificate in social transformation with their major program of study may become more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/certificate/certificate-social-transformation>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## **Socio-Legal Studies Certificate (LASLSTCERT)**

**Campus:** Tempe

#### **Description:**

The distinction between law on the books and law in action, which refers to how people experience law in their everyday lives, is a cornerstone of the certificate program.

The undergraduate certificate program in socio-legal studies offers a model for educating and training students in the study of legal ideas, institutions and practices from the perspectives of the social sciences, law and the humanities.

**Program Requirements:**

Students must complete 15 credit hours with at least 12 credit hours completed at the upper-division level. A minimum grade of "C" (2.00 on a 4.00 scale) is required for a course to count toward the certificate.

Core Theory and Foundation Courses (choose two) -- 6 credit hours

- JUS 303: Justice Theory (L) (3)
- JUS 308: Courts and Society (3)
- JUS 360 / CRJ 350: Law and Social Control (SB) (3)
- JUS 410: Punishment: Logic and Approach (3)
- JUS 463: Discretionary Justice (SB) or CRJ 470: Discretionary Justice (L or SB) (3)
- JUS 465: Death Penalty in the United States (L) (3)
- PHI 307: Philosophy of Law (HU) (3)
- PHI 336: Social and Political Philosophy (HU) (3)
- PHI 408: Feminist Ethics (HU) (3)
- POS 315: The Supreme Court (SB) (3)
- POS 465: International Organization and Law (SB & G) (3)
- POS 471: Constitutional Law I (SB) (3)
- POS 472: Constitutional Law II (SB) (3)

Interdisciplinary Elective Component (choose three) -- 9 credit hours

Interdisciplinary electives must be taken from at least two different academic disciplines. Any course listed below may count towards this requirement. Other courses can be approved by the certificate program director.

- AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU & G) (3)
- AFR 301 / JUS 300: Race and Racism in Africa/African Diaspora (SB & G) (3)
- AFR 304 / JUS 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H) (3)
- AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)
- AFR 428 / JUS 428 / APA 428 / SST 428: Critical Race Theory (3)
- CRJ 305: Gender, Crime, and Criminal Justice (C) (3)
- CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)
- JUS 329: Domestic Violence (SB) (3)
- JUS 350: Immigration and Justice (SB & C) (3)
- JUS 374: The Holocaust, Genocide, and Human Rights (3)
- JUS 422 / WST 422: Women, Law, and Social Control (3)
- JUS 425: Race, Gender, and Justice ((L or SB) & C) (3)
- JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)
- JUS 432: Racial Justice (L) (3)
- JUS 467: Terrorism, War, and Justice (SB) (3)
- JUS 469: Political Deviance and the Law ((L or SB) & C) (3)
- JUS 470: Alternative Dispute Resolution (L & C) (3)
- JUS 484: Internship (3)
- JUS 498: Pro-Seminar (3)
- POS 370: Law and Society (SB) (3)
- POS 470: Law and the Political Order (SB) (3)
- PSY 468: Psychology and Law (3)
- SOC 340: The Sociology of Deviance (SB) (3)
- SOC 445: Globalization, Development, and Resistance (SB & G) (3)
- TCL 335 / HST 323 / AFR 335: Historical Studies in Race, Crime, and the Law (3)
- TCL 340: Chicana/o and Latina/o Politics and Policy (L & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students who have attained sophomore standing (30 credit hours) in any undergraduate degree program at ASU are eligible for admission to the certificate program for socio-legal studies. There is no formal admission procedure, but students should contact the certificate program director or an academic advisor in the School of Social Transformation as soon as they decide to pursue the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in socio-legal studies with their major program of study may be more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/certificate/certificate-sociolegal-studies-cert>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## Spanish for the Professions Certificate (LSSPPRFCER)

**Campus:** Downtown Phoenix

**Description:**

The series of courses in this 18-credit hour certificate program helps students hone Spanish communication skills and cultural knowledge so they may serve the needs of the U.S. Latino and Latin American communities in professional settings.

The combination of professionally focused courses and practical experience in this program enhances students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S. Latino and Latin American cultures.

**Program Requirements:**

The Spanish for the professions certificate requires a total of 18 credit hours.

Prerequisite: SPA 314 or SPA 316 or SPA 317 or permission of instructor.

A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses. Pass/Fail courses cannot be used.

Required Courses -- 12 credit hours

SPA 317: Spanish for the Professions (G) (3)

SPA 404: Spanish in U. S. Professional Communities ((L or HU) & C) (3)

SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G) (3)

SPA 484: Internship (3)

Notes: A minimum of 12 credit hours completed in this certificate and permission of the director of the Spanish for the Professions certificate is required to enroll.

Elective Courses (choose two) -- 6 credit hours

SPA 318: Advanced Spanish for Health Care Professionals (3)

SPA 401: Spanish Oral Communication for the Professions (3)

Notes: Recommended for journalism majors.

SPA 402: Written Communication for the Professions (3)

Notes: Recommended for journalism majors.

SPA 403: Spanish Grammar and Stylistics for the Professions (3)

Notes: Recommended for journalism majors.

SPA 406: Introduction to Spanish/English Medical Interpretation (3)

SPA 494: Introduction to Spanish Translation for the Profes (3)

Notes: Recommended for journalism majors.

SPA 494: Latino/Lat. Amer. Film: Ethical Discus. for Profes (3)

SPA 494: Markets Migrants and Work Case Studies for Profess (3)

SPA Upper Division Elective (3)

Students should complete a minimum of 12 credit hours in the certificate and seek instructor approval before enrolling in SPA 484. Email [CISA@asu.edu](mailto:CISA@asu.edu) for instructor approval.

For additional upper division electives consult your academic advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

The prerequisites for this certificate are SPA 314 Spanish Conversation and Composition or SPA 316 Advanced Spanish II for Bilinguals or by permission of the instructor.

For additional information and to add the certificate, students should visit the college's website.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in Spanish for the professions helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate often decide to pursue employment in:

- business
- community interpretation
- education
- engineering and urban planning
- government
- health care services
- legal and justice systems
- social work
- tourism

Students can find a comprehensive list of career opportunities at <https://cisa.asu.edu/spanish-and-spanish-professions> (<https://cisa.asu.edu/spanish-and-spanish-professions>).

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
AZCNTR 380  
CISA@asu.edu  
602-496-0271

## Special Events Management Certificate (HSRTMUERT)

**Campus:** Downtown Phoenix

**Description:**

The special events management certificate is a career enhancement program offered to students currently pursuing a bachelor's degree in any major at ASU or nondegree-seeking students who already have a degree from an accredited university in any major.

The certificate requires 18 credit hours or required core courses. Courses taken as part of certain university majors may count as credits toward that degree and the certificate. This program is designed to give students hands-on event planning experience, behind-the-scenes understanding of how modern-day events are managed, and confidence in planning various components of events, including food and beverage, operations, safety and security, production, technology, protocol, revenue generation and more.

**Program Requirements:**

The certificate requires 18 credit hours: 15 credit hours of required core courses and three credit hours of electives. Courses taken as part of a university major may count toward that degree and the certificate. To earn the certificate, students must complete all coursework in the certificate with a minimum grade of "C" (2.00 on a 4.00 scale) or better. An application to the program is required.

Required Core Courses -- 15 credit hours

PRM 145: Special Events Management (3)

Notes: Must take this course first, as prerequisite for the following required courses.

PRM 350: Tourism, Recreation and Sports Marketing (3)

PRM 422: Special Event Technology and Production (3)

Notes: Offered spring semester only

PRM 423: Special Event Operations (3)

Notes: Offered fall semester only

PRM 427: Where's the Money: Special Event Revenue Generation (3)

Notes: Offered fall semester only

Elective Course (select one) -- 3 credit hours

CRD 301: Sustainable Communities (3)

NLM 220: Introduction to Nonprofit Organizations (3)

NLM 310: Volunteer Management (3)

PRM 470: Environmental Communication (3)

Notes: Offered spring semester only

PRM 475: Entrepreneurial Recreation and Tourism (3)

PRM 487: Advanced Special Events Management (3)

Notes: Offered spring semester only

TDM 205: Introduction to Travel and Tourism (G) (3)

TDM 345: Meeting and Convention Planning (3)

TDM 448: Heritage and Cultural Tourism (3)

#### Standards

1. 18 hours of graded classroom coursework (no internship, no independent study)
2. minimum of a "C" (2.00 on a 4.00 scale) grade required for all courses in the certificate
3. minimum GPA of 2.00 for those pursuing the certificate
4. should be a junior to take 400-level courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### Career Opportunities:

This certificate offers numerous career opportunities such as organizing and managing festivals and sport events and working for a destination marketing organization such as a convention and visitors bureau as a sales coordinator. Students can work as wedding planners and coordinators, meeting planners, corporate event managers, exhibition coordinators, or as an event-sales coordinator and event sales manager at a hotel or a resort.

#### Contact Information:

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu/content/degree-programs>

UCENT 500

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Speech-Language Pathology Assistant Certificate (LASLPACERT)

**Campus:** Tempe

#### Description:

The speech-language pathology assistant certificate program prepares students to work with people with communication disorders.

Students majoring in speech and hearing science and those who have a bachelor's degree in speech and hearing science receive additional coursework and clinical training enabling them to become eligible for speech-language pathology assistant licensure.

The certificate program meets the American Speech-Language-Hearing Association's recommendations and Arizona's requirements for speech-language pathology assistant licensure.

**Program Requirements:**

The speech-language pathology assistant certificate program includes 15 credit hours of coursework and a clinical internship completed in conjunction with the bachelor's degree in speech and hearing science.

Twelve of the 15 credit hours for the certificate must be completed at ASU. A minimum grade of "B-" (scale is 4.00 = "A") is required for a course to count toward the certificate.

Required Courses -- 15 credit hours

SHS 402: Clinical Methods and Treatment of Communication Disorders (3)

SHS 470: Developmental Speech and Language Disorders or SHS 485: Acquired Speech and Language Disorders or SHS 565: Speech and Language Acquisition (3)

SHS 473: Implementation of Treatment Plans for Individuals with Communication Disorders (3)

SHS 483: Professional Issues and Ethical Considerations for the SLPA (3)

SHS 484: SLPA Certificate (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students who have completed at least nine credit hours in speech and hearing science coursework with a minimum GPA of 2.75 (scale is 4.00 = "A") in those courses are eligible to apply. Applications are accepted from students who have completed a bachelor's degree in speech and hearing science or communication disorders from a program accredited by the American Speech-Language-Hearing Association, providing their GPA in the major was at least 2.75.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a non-degree seeking graduate student.

**Career Opportunities:**

Graduates with the speech-language pathology certificate are prepared to work in the field of communication disorders under the direction and supervision of a speech-language pathologist. Speech-language pathology assistants typically are employed in schools, clinics and rehabilitation agencies that provide speech and language services.

Coursework and clinical training completed as part of the program also enhances preparation for graduate programs in speech language pathology.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/speech-language-pathology-assistant>

HLTHN 401AA

chs@asu.edu

602-496-3300

## Sports Business Certificate (BASPBCERT)

**Campus:** Tempe

**Description:**

The certificate in sports business has an innovative curriculum designed for students seeking a BS in the W. P. Carey School of Business who are interested in deepening their knowledge in the sports business domain. Particular attention is given to providing a foundation in marketing and sales as it is applied to the sports business discipline. The certificate program prepares students for success by complementing coursework from a degree program with specialized business knowledge in the sports business area of interest.

**Program Requirements:**

The sports business certificate requires 15 credit hours to complete. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

A "C" (2.00 on a 4.00 scale) or better is required in all coursework.

Required Course -- 3 credit hours

MKT 311: Sports Business (3)



Choose at least two of the following courses -- 6 credit hours

MKT 441: Sports Revenue Generation (3)

MKT 451: Sports Business Analytics (3)

MKT 484: Internship or MKT 493: Honors Thesis (L) (3)

Choose no more than two of the following courses -- 6 credit hours

MKT 370: Professional Sales and Relationship Management (3)

MKT 410: Sales Management (3)

MKT 431: Sports Events and Facility Management (3)

MKT 435: Entrepreneurial Marketing (3)

MKT 442: Services Marketing Strategy (3)

MKT 484: Internship or MKT 493: Honors Thesis (L) (3)

MKT 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Prerequisites: This program is available to W. P. Carey Bachelor of Science degree program students with a 2.50 cumulative ASU GPA and 56 earned credit hours. Students must have completed MKT 300, MKT 302 or MKT 303 with a grade of "C" (2.00 on a 4.00 scale) or better.

The certificate application is accessed and submitted through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

No more than six credit hours may be shared between certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Students who combine the certificate in sports business with their major program of study may become more marketable to employers.

Students who complete this undergraduate certificate often decide to pursue employment in marketing, sales or management. Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Business, W. P. Carey School of

Department of Marketing

<https://wpcarey.asu.edu/undergraduate-degrees/programs>

BA 460

wpcareymkt@asu.edu

480-965-3621

## **Sports, Cultures and Ethics Certificate (LASPCECERT)**

**Campus:** Tempe

#### **Description:**

The certificate program in sports, cultures and ethics is a cross-disciplinary inquiry into the social, ethical and cultural influence of sports in society.

Courses explore the significance of sports in modern history, including relationships between sports and identity, community, politics, media, business and education. Students analyze the ethical and philosophical issues of participating in and watching sports. Students also explore how playing fields become places of connection and conflict, expanding opportunities or reinforcing inequalities based on race, gender, sexuality, religion and socioeconomic class.

Students completing the certificate have knowledge and understanding of the multifaceted nature of sports and its wide-ranging impact on cultures and lives.

**Program Requirements:**

The certificate in sports, cultures and ethics requires a minimum of 18 credit hours, of which at least 12 must be upper-division. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences. All courses for the certificate must be passed with a minimum grade of "C" (2.00 on a 4.00 scale).

Required Courses -- 6 credit hours

AFR 375: Race, Gender and Sport (SB & C) or HST 377: Sports in United States History ((HU or SB) & H) (3)

PHI 370: Sports Ethics (HU) (3)

Electives (choose four) -- 12 credit hours

At least six credit hours must be upper-division. AFR 375 or HST 377 may be used as an elective if not used as a required sports culture course.

AFR 375: Race, Gender and Sport (SB & C) (3)

ASB 252: Sports and Culture (SB & G) (3)

COM 394 / SBS 394 / SOC 394: Soccer: The Global Game (3)

COM 477: Sport, Culture, and Discourses (3)

CSM 335 / PRM 335: Sports and Recreation for Youth Development (3)

FMS 377: Baseball, Film, and American Dreams (3)

HST 214 / SLC 214: The World's Game: History and Culture of Soccer (3)

HST 302: History of the Olympic Movement (3)

HST 306: History of Baseball (3)

HST 377: Sports in United States History ((HU or SB) & H) (3)

HST 379: History of College Sports (3)

HST 494 / MCO 494 / TGM 494: Sport and Globalization (3)

NEW 300: International Cities Barcelona (3)

PHI 394: Philosophy of Sport (3)

REL 383 / ASB 383: Religion and Sports (HU) (3)

Additional courses related to sports, cultures and ethics that are not on the elective list may be used with the approval of the certificate directors. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

Students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies to declare the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students who combine the certificate in sports, cultures and ethics with their major program of study may become more marketable to employers.

Many often decide to pursue employment in sports business, sports journalism, sports law, education, coaching, and the sports sciences. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/content/sports-cultures-and-ethics>  
COOR 3307  
SHPRSAdivising@asu.edu  
480-965-8364

## Sustainable Food Systems Certificate (SUFSUCERT)

**Campus:** Tempe

**Description:**

Food systems are particularly important for human societies to sustain; however, these systems are particularly vulnerable to multiple threats. Many students from a wide variety of disciplines are interested in food systems, especially as food and sustainability become increasingly relevant issues to employers in fields across the public and private sectors.

This certificate program in sustainable food systems allows students to take advantage of the diversity of courses offered that address challenges to food system sustainability. It encourages students to cover a breadth of topics and perspectives related to food system issues while providing the opportunity to focus on particular skills and approaches suitable for their career paths, which can range from agriculture to marketing and retail to policy or ethics. This program offers an innovative and exciting approach to the challenges of food system sustainability.

Due to the transdisciplinary nature of the certificate program, many courses may be found across all four ASU campuses, allowing students to choose both the focus area and location of study that best fit their needs.

The knowledge, competencies and skills students have upon completion of this certificate include the ability to identify food system drivers, activities, actors and outcomes at different spatial scales and the capacity to assess the primary social, economic and environmental drivers and outcomes associated with food system sustainability challenges.

Students also acquire the ability to apply one or more of the following analytical skills or approaches to the development of food system sustainability solutions: cultural and social analysis, alternative agricultural design and practice, analysis of biophysical processes and environmental services, urban planning and policy, marketing and entrepreneurial development, sustainability assessment, and consumer preference and behavior.

### **Program Requirements:**

The certificate in sustainable food systems consists of 15 credit hours, at least 12 of which must be upper-division.

All courses must be completed with a minimum grade of C (2.0 on a 4.0 scale), however, an overall average GPA of 2.5 or higher is required for courses completed for the certificate.

Required Course -- 3 credit hours

SOS 117: Food System Sustainability (3)

Elective Courses -- 12 credit hours

Students must choose four electives. A minimum of two courses must be selected from tier 1 core electives and no more than two courses from the same prefix across both tiers 1 and 2 should be selected.

Tier 1 - Core Electives (choose at least two)

AGB 302: International Management and Agribusiness (G) (3)

AGB 414: Food and Agribusiness Policy Issues (L) (3)

AGB 456: Food Product Innovation and Development (3)

ASB 300: Food and Culture ((L or SB) & C) (3)

ASB 463: Political Ecology of the Border (SB & G) (3)

BIO 429: Human Impacts on Ecosystem Functioning (3)

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)

GPH 314: Global Change (HU & G) (3)

ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)

NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)

PLB 302: Plants and Civilization (L) (3)

PUP 498: Urban Food Systems (3)

SOS 327: Sustainable Food and Farms (3)

Tier 2 - Electives

ABS 368: Plant Propagation (3)

ABS 464: Desert Horticulture (3)

AGB 302: International Management and Agribusiness (G) (3)

AGB 321: Agribusiness Marketing (3)

AGB 414: Food and Agribusiness Policy Issues (L) (3)

AGB 420: Food Advertising and Promotion (3)

AGB 452: Global Food and Agricultural Trade (3)

AGB 456: Food Product Innovation and Development (3)

AIS 494: American Indian Food Justice and Sovereignty (3)

ASB 300: Food and Culture ((L or SB) & C) (3)

ASB 305: Poverty and Global Health ((L or SB) & G) (3)

ASB 463 / TCL 443: Political Ecology of the Border (SB & G) (3)

ASB 464 / TCL 444: The Ethnography of Mexico and the Borderlands (SB & G) (3)

BIO 311: Biology and Society (3)

BIO 324: Environmental Ethics (HU) (3)

BIO 418: Soil Ecology (3)

BIO 434: People and Nature: Ecosystem Services (3)

ENG 367: Environmental Issues in Literature and Film (L or HU) (3)  
GPH 314: Global Change (HU & G) (3)  
ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)  
NTR 348: Cultural Aspects of Food (SB & C & G) (3)  
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)  
NTR 448: Community Nutrition (L) (3)  
PLB 302: Plants and Civilization (L) (3)  
PUP 498: Urban Food Systems (3)  
SOS 309 / HST 308 / PHI 322: History and Philosophy of Sustainability (3)  
SOS 322: International Development and Sustainability (3)  
SOS 327: Sustainable Food and Farms (3)  
SOS 370 / ASB 370: Ethics of Eating (L or SB) (3)  
SOS 374 / GLG 327: Earth's Critical Zone (3)  
SOS 429 / BIO 429: Human Impacts on Ecosystem Functioning (3)  
SOS 456: Human Rights and Sustainability ((L or SB) & G) (3)  
SOS 498: Sustainable Neighborhoods for Happiness (L) (3)  
TCL 394: Health Policy in a Transborder Context (3)

Electives are not limited to courses from this list only. Other courses on food systems may be offered (special topics, etc.). Students may request to have those approved as an elective for this certificate by submitting a School of Sustainability petition:

[https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions) ([https://students.asu.edu/College\\_Standards\\_Petitions](https://students.asu.edu/College_Standards_Petitions))

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students wishing to declare a certificate in sustainable food systems should make an appointment with a College of Global Futures advisor.

Advising is by appointment only, and students must schedule an advising appointment through the College of Global Futures advising website:

<https://collegeofglobalfutures.asu.edu/advising> (<https://collegeofglobalfutures.asu.edu/advising>).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Graduates of this program can pair the certificate with a variety of bachelor's degrees to enhance career opportunities related to food. Sustainable food systems knowledge complements any career path whether it's in business, technology, science, education or government. Incorporating sustainable food systems into existing or future education endeavors helps to bring forth positive change in a variety of sectors including agriculture, consumer goods, public health and education.

A sustainable food systems certificate helps graduates stand out in a sea of job applicants, and the skill sets are applicable to any career.

#### **Contact Information:**

Global Futures, College of

School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/>

WGHL 108

[cgfadvising@asu.edu](mailto:cgfadvising@asu.edu)

480-727-6963

## **Symbolic, Cognitive and Linguistic Systems Certificate (LAPHICERT)**

**Campus:** Tempe

#### **Description:**

The symbolic, cognitive and linguistic systems certificate program takes a transdisciplinary approach to the symbolic representation and processing of information in human cognition; natural languages; and formal mathematical, logical and computing systems.

Coursework covers three areas: human cognition and theories of mind, philosophy of language and linguistics, and computing and logic.

**Program Requirements:**

The certificate requires 18 credit hours, of which at least 12 must be upper-division. At least six upper-division credit hours must be taken through The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for all courses used toward the certificate.

Required Course (choose one) -- 3 credit hours

- CSE 110: Principles of Programming (CS) (3)
- CSE 205: Object-Oriented Programming and Data Structures (CS) (3)
- CSE 240: Introduction to Programming Languages (3)

Upper Division Philosophy Course (choose one) -- 3 credit hours

- PHI 313: Probability, Evidence, and Decision (3)
- PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)
- PHI 330: Theory of Knowledge (HU) (3)
- PHI 331: Philosophy of Language (HU) (3)
- PHI 333: Symbolic Logic (3)
- PHI 334: Philosophy of Mind (HU) (3)
- PHI 401: Rationalism (3)
- PHI 402: Empiricism (HU) (3)
- PHI 413: Advanced Symbolic Logic (3)

Electives -- 12 credit hours

Elective (3)

Upper Division Electives (9)

Students must complete at least one course each from the cognitive, linguistic and symbolic systems course lists below to earn the certificate. The required CSE course above also satisfies the requirement for a symbolic systems course, but students must cover the other two categories within the electives and upper division PHI course requirement. Once all three categories are satisfied, students may choose any courses from the cognitive, linguistic and symbolic systems lists for the remaining electives.

**Cognitive Systems**

- PHI 313: Probability, Evidence, and Decision (3)
- PHI 330: Theory of Knowledge (HU) (3)
- PHI 334: Philosophy of Mind (HU) (3)
- PHI 401: Rationalism (3)
- PHI 402: Empiricism (HU) (3)
- PSY 323: Sensation and Perception (3)
- PSY 324: Memory and Cognition (3)
- PSY 434: Cognitive Psychology (L) (3)
- PSY 437: Human Factors (L) (3)

**Linguistic Systems**

- ENG 213: Introduction to the Study of Language (3)
- ENG 312: English in its Social Setting (L or HU or SB) (3)
- ENG 313: Phonology and Morphology (3)
- ENG 314: Modern Grammar (3)
- ENG 413: History of English Language (HU) (3)
- PHI 331: Philosophy of Language (HU) (3)

**Symbolic Systems**

- CSE 110: Principles of Programming (CS) (3)
- CSE 205: Object-Oriented Programming and Data Structures (CS) (3)
- CSE 240: Introduction to Programming Languages (3)
- CSE 471: Introduction to Artificial Intelligence (3)
- MAT 243: Discrete Mathematical Structures (3)
- MAT 300: Mathematical Structures (L) (3)
- MAT 420: Scientific Computing (3)
- PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)
- PHI 333: Symbolic Logic (3)
- PHI 413: Advanced Symbolic Logic (3)

With the approval of the director of undergraduate studies, students may substitute one course not on the approved course lists. Please obtain approval prior to enrolling in any course not on the approved list.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

To declare the certificate, students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students can advance their career options with an undergraduate certificate.

The certificate program in symbolic, cognitive and linguistic systems helps students become more marketable to employers by developing their analytical and reasoning skills, particularly reasoning with computer programming languages and other symbolic systems.

Students who complete this undergraduate certificate often decide to pursue employment in business, engineering, information systems or psychology. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/certificate/certificate-symb-cog--ling-systems-cert>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)

**Campus:** Tempe

**Description:**

The undergraduate certificate program in teaching English to speakers of other languages consists of a coherent set of courses that provides students with the skills necessary to teach English as a foreign language.

This certificate does not certify students to teach in Arizona public schools (K-12).

**Program Requirements:**

The certificate program in teaching English as a second language requires a minimum of 18 credit hours, of which 12 must be completed at the upper-division level. At least six credit hours must be completed from courses offered by The College of Liberal Arts and Sciences. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Core -- 6 credit hours

ENG 213: Introduction to the Study of Language (3)

ENG 484: TESOL Internship (3)

Theory/Methods -- 6 credit hours

ENG 404: Studies in Second Language Acquisition (6)

Notes: ENG 404 is repeatable for credit and must be completed twice.

Linguistics Electives -- 6 credit hours

Choose one course from each group below.

Group 1:

ENG 403: Semantics (3)

ENG 404: Studies in Second Language Acquisition (3)

ENG 414: Studies in Linguistics (3)

Group 2:

ENG 214: English Grammar and Usage (3)

ENG 312: English in its Social Setting (L or HU or SB) (3)

ENG 313: Phonology and Morphology (3)

ENG 314: Modern Grammar (3)

## ENG 413: History of English Language (HU) (3)

Course substitutions may be used with approval of an academic advisor in the Department of English before enrollment.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

For more information about the TESOL certificate, students should contact an advisor in the Department of English.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

### **Career Opportunities:**

The TESOL certificate is useful for students interested in careers in this increasingly important field. It also serves as excellent preparation for students wishing to pursue graduate studies in the Master of Teaching English to Speakers of Other Languages program at ASU or in a similar program at another institution.

Students who combine this TESOL certificate with their major program of study may become more marketable to employers.

Students who complete this undergraduate certificate often decide to pursue employment in teaching abroad. Advanced degrees or certifications may be required for academic or clinical positions.

### **Contact Information:**

Liberal Arts and Sciences, The College of

Department of English

<https://english.asu.edu/node/252>

RBHL 170

[englishadvising@asu.edu](mailto:englishadvising@asu.edu)

480-965-3168

## **Technical Communication Certificate (LSTECCERT)**

**Campus:** Polytechnic

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

### **Description:**

Through the technical communication program, students learn how to produce, design and manage information using traditional and developing technologies.

### **Program Requirements:**

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information about this U.S. Department of Education Gainful Employment program, students should see

<https://catalog.asu.edu/files/disclosures/LSTECCERT/Gedt.pdf> (<https://catalog.asu.edu/files/disclosures/LSTECCERT/Gedt.pdf>).

### **Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

[CISA@asu.edu](mailto:CISA@asu.edu)

480-727-1526

## Transformation and Change Certificate (ASTNCHCERT)

**Campus:** West

### **Description:**

The certificate program in transformation and change provides students with a broad but integrated intellectual experience that gives tangible meaning to the concept of transformation. By focusing coursework on a thematic approach, students work to understand the dynamics of transformation through the lenses of several disciplinary and interdisciplinary orientations, giving an elevated degree of depth and breadth to their overall educational experience.

Students conclude their program through participation in a signature experience course, formally bringing their interrelated courses together. The certificate recognizes students' participation in, and completion of, an innovative approach to General Studies coursework highlighting transformation and change as an area of expertise.

### **Program Requirements:**

The certificate in transformation and change requires 18 credit hours (at least 12 must be upper-division). A minimum of six of the 18 credit hours must be taken through courses offered by the New College of Interdisciplinary Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Frameworks -- 3 credit hours

NEW 102: Global Transformations (1)

NEW 202: Social Transformations (1)

NEW 302: Personal Transformations (1)

Inquiry (choose one course) -- 3 credit hours

BIO 113: Dinosaurs (SG) (4)

BIO 181: General Biology I (SQ) (4)

COM 225: Public Speaking (L) (3)

CRJ 100: Introduction to Criminal Justice (SB) (3)

ENG 413: History of English Language (HU) (3)

HST 439: Athenian Democracy (H) (3)

PHI 439: Philosophy of Love and Sex (HU) (3)

POS 160: Global Politics (SB & G) (3)

POS 314: The American Presidency (SB) (3)

PSY 101: Introduction to Psychology (SB) (3)

WST 333: Critical Perspectives on Sexuality (SB & C) (3)

Collaboration (choose one course) -- 3 credit hours

AMS 276 / WST 276: U.S. Women's Movements (H & C) (3)

ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)

COM 230: Small Group Communication (SB) (3)

COM 263: Elements of Intercultural Communication (SB & C & G) (3)

IAP 222: Games and Ethics (HU) (3)

IAP 301: Energetic Systems of Art: Collaboration in the Arts (HU) (3)

IAP 394: Print and the Protest (3)

JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)

PAF 311: Leadership and Change (SB) (3)

REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)

TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts (3)

Innovation (choose one course) -- 3 credit hours

AMS 412: Studies in American Politics & Law (H) (3)

BIO 100: The Living World (SQ) (4)

COM 463: Intercultural Communication in a Global Context (SB & G) (3)

DST 101: Introduction to Disability Studies (C) (3)

EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) (3)

ENG 342: 20th-Century British and Irish Literature (HU) (3)

ENG 365: History of Film (HU) (3)

FOR 105: Physical Evidence and the Crime Scene (SQ) (4)

HCI 311: Health Innovation: Foundational Concepts (3)

LAS 340 / WST 341: Latin American Women Writers (HU & G) (3)

LAS 449 / FOR 449 / SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) (3)



PHI 103: Principles of Sound Reasoning (L or HU) (3)  
SWU 250: Stress Management Tools I (SB) (3)  
TEL 111: Exploration of Education (SB) (3)

Engagement (choose one course) -- 3 credit hours

AMS 428 / ETH 428 / LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)  
ENG 431: Whitman and Dickinson (L or HU) (3)  
ENG 454: Gender and Literature (L or HU) (3)  
HCR 230: Culture and Health (C & G) (3)  
HSC 210: Cultural Aspects of Health (C) (3)  
HST 350: Later Middle Ages ((HU or SB) & H) (3)  
HST 375 / LAS 375: Colonial Latin America (SB & H) (3)  
POS 313: The Congress (SB) (3)  
POS 336: Voters in America (SB) (3)  
POS 361: American Foreign Policy (SB & G) (3)  
POS 437 / SOC 437: Women, Power, and Politics (G) (3)  
POS 470: Law and the Political Order (SB) (3)  
TDM 205: Introduction to Travel and Tourism (G) (3)  
TEL 208: Literacy in a Changing World (HU) (3)

Signature Experience (choose one course) -- 3 credit hours

AMS 334: Class in America (SB) (3)  
AMS 353 / ENG 353 / ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)  
ENG 333: American Ethnic Literature (3)  
ENG 379: Travel Writing (L) (3)  
ENG 425: Studies in Romanticism (HU) (3)  
HCR 210: Ethics for the Health Care Professional (HU) (3)  
HST 441 / JHR 441 / LAS 441: Latin America and the World Economy (L & G & H) (3)  
IAS 406 / PHI 406 / FOR 406: Moral Dilemmas (L or HU) (3)  
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)  
IAS 410: Evolution of Ideas (L or HU) (3)  
MAT 411: History and Philosophy of Mathematics (HU & H) (3)  
SOC 352: Social Change (SB & G & H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
Dean, New Interdisciplinary Arts and Sciences  
<https://newcollege.asu.edu/transformation-change-certificate>  
FABN100  
HArCSadvising@asu.edu  
602-543-3000

## **Translation Certificate (LASPACERT)**

**Campus:** Tempe

#### **Description:**

The translation certificate program focuses on Spanish and English.

The curriculum provides competence in translation, awareness of the different approaches, an introduction into the main professional areas, and an overview of the requirements for further certification in the desired area or areas of translation expertise: legal, medical, business and technical.

#### **Program Requirements:**

The certificate program requires a minimum of 15 credit hours. At least 12 credit hours must be completed at the upper-division level. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses.

Students are expected to have taken prerequisite courses ENG 301 and SPA 412. However, ENG 301 and SPA 412 may be completed in the first semester after admission to the program.

Required Translation Theory Course -- 3 credit hours  
SLC 401 / SPA 440: Translation Theory and Practice (3)

Required Applied Translation Courses -- 9 credit hours  
Students should consult with an academic advisor in the School of International Letters and Cultures and plan their studies accordingly.  
SLC 481 / SPA 441: Technical and Scientific Translation (3)  
SLC 482 / SPA 442: Business and Financial Translation (3)  
SLC 485 / SPA 443: Translation of Legal Texts or SLC 486 / SPA 444: Medical Translation (3)

Internship Requirement -- 3 credit hours  
Students must complete all required courses before enrolling for an internship. Students must complete 135 on-site internship hours to earn three credit hours in SLC 484.  
SLC 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Since entry into the field of professional translation is gained through work, cultural experience and examination, the entrance requirements to this certificate program include a written proficiency examination in both the source and receptor languages at the level of completion of an advanced composition course in Spanish (SPA 412) and English (ENG 301).

Extensive work experience using Spanish and English or demonstrated bilingual writing competence in English and Spanish is also required.

Students should contact an academic advisor in the school for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Students who combine the certificate in translation with their major program of study may become more marketable to employers.

Students who complete this undergraduate certificate along with their major often decide to pursue employment in education, the legal field, medical field, tourism and hospitality or marketing.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad/minor-certs>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## **Veterans, Society and Service Certificate (LAVSSCERT)**

**Campus:** Tempe, Online

#### **Description:**

This certificate program in veterans, society and service explores the history, representations, experiences and culture of military service and veterans.

Students study the veteran community from an interdisciplinary approach that combines history, politics, business, journalism, psychology, law, sociology and the arts through the intersectional lenses of gender, race, ethnicity and national identity. This program trains students to listen to,

learn from, serve, research and advocate for veterans and their families.

Future professionals and current employees at government agencies, health provider organizations, nonprofit organizations and media industries can benefit from this multifaceted certificate program.

**Program Requirements:**

The certificate requires a minimum of 18 credit hours, of which at least 12 must be completed at the upper-division level and 12 must be completed at ASU. All courses must be completed with a grade of C (2.00 on a 4.00 scale) or higher.

Required Courses -- 9 credit hours

- VTS 301: Veterans, Society and Service: Experience of America's Modern Wars (3)
- VTS 302: Representations and Self-Representations of Veterans in the Media and the Arts (3)
- VTS 402: Undergraduate Research or COM 308: Advanced Research Methods in Communication (L) (3)

Electives (choose two) -- 6 credit hours

- AES 103: Air Force Today II (2)
- AES 203: The Evolution of USAF Air and Space Power II (2)
- AFR 494: Black Military History (3)
- ARS 102: Art from Renaissance to Modernism (HU & H) (3)
- ARS 498: Art and Cold War Cultures (L) (3)
- COM 263: Elements of Intercultural Communication (SB & C & G) (3)
- COM 420: Rhetoric and Community Advocacy (3)
- CRD 210: Community Services and Professions (3)
- DSC 101: Design Awareness (HU & G) (3)
- DSC 394: Design Entrepreneurship & Society (3)
- ECN 416: Game Theory and Economic Behavior (3)
- ENG 333: American Jewish Literature during the Cold War (3)
- ENT 360: Entrepreneurship and Value Creation (3)
- FAS 410: Military Family Systems in a Democracy (3)
- FIS 494: How to Make the Future (3)
- FMS 427: Identity and World Film (C) (3)
- FSE 301: Entrepreneurship and Value Creation (3)
- GRK 346 / HST 346 / SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) (3)
- HST 204: Historical Themes in the US (3)
- HST 302: War and Political Thought (3)
- HST 302: Women, War and Peace (3)
- HST 306: World War II (3)
- HST 340: American Military History (SB & H) (3)
- HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)
- HST 372: Modern Middle East (SB & G & H) (3)
- HST 456: The Vietnam War (SB & G & H) (3)
- IAP 307: Art and War (HU & G) (3)
- JMC 325: Breaking News Multimedia Reporting (3)
- JMC 437: Documentary Production (3)
- JMC 487: Howard Center for Investigative Journalism (3)
- JST 346: Israeli Wars in Israeli Movies (HU & G) (3)
- MCO 494: War and Media (3)
- MIS 102: Foundation of Agile and Adaptive Leadership (4)
- MIS 302: Applied Leadership in Small-Unit Operations (L) (4)
- MIS 394: Ranger Challenge Experience (3)
- NAV 102: Sea Power and Maritime Affairs (3)
- OGL 300: Theory and Practice of Leadership (3)
- OGL 350: Diversity and Organizations (L & C) (3)
- PAF 112: Identity, Service and American Democracy (SB & C) (3)
- PAF 200: Public Service and Policy in the 21st Century (3)
- PAF 302: Public Service Research Methods (3)
- POS 378 / REL 378: Religion, War and Peace (L) (3)
- SGS 394: Gender and Armed Conflict (3)
- SOC 352: Social Change (SB & G & H) (3)

Other courses that complement the student's individual course of study may be completed with prior approval of the academic advisor.

Internship -- 3 credit hours

## VTS 484: Internship (3)

All students must complete an internship.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

### **Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/certificates/veteran-service/>)

### **Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in veterans, society and service helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate often decide to pursue employment as health care social workers, social and community service managers or community health workers. Advanced degrees or certifications may be required for academic or clinical positions.

### **Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://vetengagement.asu.edu>

AZCNTR 380

CISA@asu.edu

602-496-0271

## **Water Resources Certificate (LAWATRCERT)**

**Campus:** Tempe

### **Description:**

The certificate program in water resources covers topics related to hydrologic science and their application to water resources management. The sequence of classes offered through the certificate program build from a foundation in geological sciences up to water policy and design aspects of hydrology, as selected by the student.

### **Program Requirements:**

The certificate requires a minimum of 16 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least nine credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Required Courses -- 10 credit hours

GLG 108 / SOS 182: Water Planet (SQ) (4)

GLG 327 / SOS 374: Earth's Critical Zone (3)

GLG 470: Hydrogeology (3)

Electives (choose two) -- 6 credit hours

CEE 441: Water Resources Engineering (3)

GLG 325 / BIO 325 / CHM 385: Oceanography (3)

GLG 362: Geomorphology (3)

GLG 471: Hydrology (3)

GLG 481: Geochemistry (3)

SOS 433: Sustainable Water Use (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Career Opportunities:**

With the job outlook for water resources increasing at a rate faster than other job averages (more than 11% by 2024, U.S. B.L.S.), the demand for individuals with industry-specific skills is clear.

Students who earn a certificate in water resources can advance their career opportunities and become more marketable to employers. Exciting career opportunities in this field exist within government agencies, private sector consulting, engineering firms and nonprofit organizations, though most career areas do require more training than a certificate alone can provide.

Career opportunities include:

- hydrologist
- soil and water conservationist
- water or wastewater engineer
- water resources technician

Sample career settings include:

- environmental industry
- governmental agencies
- nongovernmental organizations
- nonprofit organizations
- regulatory agencies
- utilities

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu/>  
ISTB4 795  
sese-advising@asu.edu  
480-965-5081

## Wildlife Management Certificate (LSWLMCERT)

**Campus:** Polytechnic

**Description:**

The undergraduate wildlife management certificate is for students interested in biology, conservation, sustainability and management of natural resources. Students gain application-based and hands-on experience in the field and engage with wildlife professionals.

**Program Requirements:**

This certificate requires 22 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required in each course.

Required Courses -- 13 credit hours

- ABS 274: Introduction to Wildlife Management (4)
- ABS 376: Wildlife Ecology (3)
- ABS 475: Habitat Management for Small Wildlife (3)
- ABS 476: Big Game Habitat Management (3)

Elective Courses (choose three) -- 9 credit hours

- ABS 377: International Wildlife Conservation (3)
- ABS 380: Restoration and Wildlife Plants (3)
- ABS 384: Natural Resources Measurements (3)
- ABS 470: Life History of Mammals (3)
- ABS 472: Applied Herpetology (3)

ABS 473: Applied Ornithology (3)  
ABS 485: GIS in Natural Resources (3)  
ABS 486: Introduction to Remote Sensing (4)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students interested in pursuing the certificate should speak with an academic advisor in the College of Integrative Sciences and Arts.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

Students can advance their career options with an undergraduate certificate. This certificate may give a hiring edge, through requisite knowledge and skills, to students who want to pursue employment in the growing number of environmental careers offered by state and federal agencies (e.g., Arizona Game and Fish Department, U.S. Forest Service, U.S. Geological Survey, U.S. Bureau of Land Management) and nongovernmental organizations in areas of fish and wildlife management, range management or as biological technicians.

Advanced degrees or certifications may be required for academic or clinical positions.

#### **Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## **Women and Gender Studies Certificate (ASWSTCERT)**

**Campus:** West

#### **Description:**

The certificate program in women and gender studies examines the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas.

The program combines interdisciplinary topics and methods to critically analyze, unpack and address how relations of gender are embedded in and connected to social, political and cultural transformations. The intellectual core draws from theories, methods and teachings in women and gender studies while engaging complementary fields of social justice, cultural studies, sexuality studies, queer studies, literature, history, sociology, psychology, oral history, ethnicity, race and indigenous studies, and transnational studies.

#### **Program Requirements:**

The certificate in women and gender studies consists of 18 credit hours. A minimum of 12 credit hours must be upper division. Six upper-division credit hours must be taken through courses offered by the School of Humanities, Arts and Cultural Studies. Courses should be chosen in consultation with an academic advisor prior to enrollment. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Electives (choose from the following) -- 12 credit hours

Courses used for Core Requirements cannot also be used to satisfy the Elective Requirements.

ENG 443 / WST 415: Gender, Culture and Literacy (3)

ENG 454: Gender and Literature (L or HU) (3)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)

WST 220: Gender, Media and Culture (HU & C) (3)

WST 333: Critical Perspectives on Sexuality (SB & C) (3)

WST 341: Latin American Women Writers (3)  
WST 370: Chronicling Women's Lives (HU & C) (3)  
WST 376: Feminist Theory (H & C) (3)  
WST 380: Race, Gender, and Class (SB & C) (3)  
WST 390 / REL 390: Women, Gender and Religion (HU & G) (3)  
WST 428: Gender, Madness and Justice (SB) (3)  
WST 430: Gender on the Borderlands (SB & G) (3)  
WST 433 / ETH 433: Race and Sexualities in Social Justice Movements (3)  
WST 444: Gender, Health, and Bodies (SB) (3)  
WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)  
WST 457: Women, Cultures, and Societies (SB & G) (3)  
WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)  
WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### **Enrollment Requirements:**

Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

#### **Career Opportunities:**

This program prepares students for graduate study or a variety of fields including business, health care, criminal justice, social services, education, public relations, nonprofits, community development, public policy and government. Possible careers include community health workers, secondary school teachers, human resource managers, probation officers, social and community service managers, writers or academia.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/women-and-gender-studies-certificate>  
FAB N100  
harcadvising@asu.edu  
602-543-3000

## **Women and Gender Studies Certificate (LAWSTCERT)**

**Campus:** Tempe

#### **Description:**

The women and gender studies certificate program provides students with an intensive, liberal arts approach to relevant contemporary topics such as gender inequality and feminism and how these interact with sexuality, race and religion in society today.

Because students have the opportunity to explore issues from multiple disciplines, the certificate is an interdisciplinary alternative to a minor. The program enables students to write well, think critically and analyze problems effectively.

The certificate is offered by the School of Social Transformation.

#### **Program Requirements:**

The women and gender studies certificate requires a minimum of 18 credit hours, of which at least 12 must be completed at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Elective Core Course -- 3 credit hours

WST 377: History of American Feminist Thought (H & C) or WST 378: Global Feminist Theory (L & G) (3)

Electives -- 12 credit hours  
WST Elective (3)  
WST Upper Division Elective (9)

WST 100 and WST 300 cannot be used to fulfill the elective requirement.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:**

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who have combined the certificate in women and gender studies with their major program of study may increase their marketability to employers.

Graduates often decide to pursue employment in law, education, public service, and human welfare and social work. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/degree/certificate/certificate-womens--gender-stds-cert>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## Working with Military Families Certificate (LAWWMFCERT)

**Campus:** Tempe

**Description:**

Important complexities surround the dynamics of military families. Military personnel, veterans and their families face unique issues and challenges such as navigating military culture and dealing with multiple deployments, war, combat, trauma and death. Students interested in careers focusing on these families have a need to understand normative family processes, stress and coping, and military culture and leadership.

Students enrolled in this program take a unique combination of academic coursework and military leadership training. Students who complete the certificate program are conversant with human development, marital and familial relationships, and family dynamics in the context of military culture.

**Program Requirements:**

The certificate requires 18 credit hours. At least 12 credit hours must be completed at the upper-division level and a grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses.

Required Courses -- 15 credit hours

CDE 232: Human Development (SB) (3)  
FAS 101: Personal Growth in Human Relationships (SB) (3)  
FAS 331: Marriage and Family Relationships (SB) (3)  
FAS 410: Military Family Systems in a Democracy (3)  
MIS 301: Training Management and the Warfighting Functions (L) or AES 301: Air Force Leadership Studies I (L) (3-4)

Internship Requirement -- 3 credit hours

FAS 484: Internship (3)

Students are required to complete a capstone internship project that includes a field work experience, a written integrative paper and an oral presentation.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.



**Enrollment Requirements:**

Students in related majors can apply for the certificate through the T. Denny Sanford School of Social and Family Dynamics. Admission is determined by the admission committee. A student must have a minimum GPA of 3.00 (scale is 4.00 = "A") in order to be considered for admission to the certificate program.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Students can advance their career options with an undergraduate certificate. The certificate in working with military families helps students become more marketable to employers by adding this specialization to complement their major program of study.

Students who complete this undergraduate certificate often decide to pursue employment in healthcare, counseling or social work, sociology or education. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu/>  
SS 144  
advisor@asu.edu  
480-965-6978

## Writing (Liberal Arts and Sciences) Certificate (LAENGCERT)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Description:**

The writing certificate program provides advanced writing instruction for students in any major. Students in the program gain practical skills in effective communication and enhance their ability to create, structure and present information in a variety of contexts.

ASU's Department of English in The College of Liberal Arts and Sciences has an extensive internship program, with opportunities for placements in publishing, media and marketing, government, teaching English as a second language, nonprofits and film festivals. The Department of English also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

**Program Requirements:****Enrollment Requirements:**

Application to the program requires a minimum GPA of 3.00 (scale is 4.00 = "A") in ENG 101 and ENG 102, ENG 105, or ENG 107 and ENG 108. Students must also have completed at least 30 credit hours of coursework. Students should contact the department for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Graduates who combine the writing certificate with their major program of study may increase their marketability to employers, and they often decide to pursue employment in business or technical writing.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English

<https://english.asu.edu/node/254>

RBHL 170

englishadvising@asu.edu

480-965-3168

## Writing (New College) Certificate (ASWRTCERT)

**Campus:** West

### **Description:**

The certificate in writing is a valuable program for students in any discipline. The ability to communicate clearly, directly and effectively is a key to advancement in all careers.

The program offers five track options (creative writing, generalist, nonfiction writing, professional and technical writing, and publishing and editing) which can be tailored to students' individual interests and career goals. The program comprises intensive coursework that culminates in an exit portfolio, a collection of work that demonstrates the writing skills mastered by each student.

The certificate in writing is offered by the School of Humanities, Arts, and Cultural Studies.

### **Program Requirements:**

The writing certificate consists of 16 credit hours, 12 of which must be upper division. Students must complete a minimum of six upper-division credit hours offered by the School of Humanities, Arts, and Cultural Studies. Requirements include 15 credit hours of track courses from one track (chosen in consultation with the faculty certificate coordinator) and one credit hour of AMS 490 Writing Portfolio. Six to nine credit hours may be shared between the certificate and major requirements upon approval. All courses used to satisfy the requirements for the certificate must be passed with a "B" (3.00 on a 4.00 scale) or better.

#### Track Requirements -- 15 credit hours

Complete 15 credit hours of courses from one track below, chosen in consultation with the faculty certificate coordinator. A minimum of 12 credit hours must be upper division. (15)

#### Creative Writing Track

ENG 210: Introduction to Creative Writing (3)

ENG 217: Writing Reflective Essays (L) (3)

ENG 287: Beginning Creative Writing Workshop in Poetry (3)

ENG 288: Beginning Creative Writing Workshop in Fiction (3)

ENG 310: Intermediate Creative Writing (3)

ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)

ENG 361: Scriptwriting (3)

ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)

ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)

ENG 394: Comedy Writing (3)

ENG 394: NaNoWriMo - National Novel Writing Month (1-3)

ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)

ENG 394: Professional Writing Workshop - Fiction (1-3)

ENG 394: Professional Writing Workshop - Poetry (1-3)

ENG 410: Writing for Publication (3)

ENG 494: Canyon Voices (3)

ENG 499: Individualized Instruction (3)

#### Nonfiction Writing Track

ENG 216: Persuasive Writing on Public Issues (L) (3)

ENG 217: Writing Reflective Essays (L) (3)

ENG 311: Persuasive Writing (L) (3)

ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)

ENG 379: Travel Writing (L) (3)

ENG 394: NaNoWriMo - National Novel Writing Month (1-3)

ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)

ENG 410: Writing for Publication (3)

ENG 420: Multicultural Autobiographies ((L or HU) & C) (3)

ENG 494: Canyon Voices (3)

ENG 499: Individualized Instruction (3)

#### Professional and Technical Writing Track

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)

ENG 216: Persuasive Writing on Public Issues (L) (3)  
ENG 301: Writing for the Professions (L) (3)  
ENG 311: Persuasive Writing (L) (3)  
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)  
ENG 323: Rhetoric and Grammar (L) (3)  
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)  
ENG 410: Writing for Publication (3)  
ENG 494: Canyon Voices (3)  
ENG 499: Individualized Instruction (3)

#### Publishing and Editing Track

ENG 323: Rhetoric and Grammar (L) (3)  
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)  
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)  
ENG 394: Professional Writing Workshop - Fiction (1-3)  
ENG 394: Professional Writing Workshop - Poetry (1-3)  
ENG 410: Writing for Publication (3)  
ENG 494: Canyon Voices (3)  
ENG 499: Individualized Instruction (3)

#### Generalist Track

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)  
ENG 210: Introduction to Creative Writing (3)  
ENG 216: Persuasive Writing on Public Issues (L) (3)  
ENG 217: Writing Reflective Essays (L) (3)  
ENG 287: Beginning Creative Writing Workshop in Poetry (3)  
ENG 288: Beginning Creative Writing Workshop in Fiction (3)  
ENG 301: Writing for the Professions (L) (3)  
ENG 302: Business Writing (L) (3)  
ENG 310: Intermediate Creative Writing (3)  
ENG 311: Persuasive Writing (L) (3)  
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)  
ENG 323: Rhetoric and Grammar (L) (3)  
ENG 361: Scriptwriting (3)  
ENG 379: Travel Writing (L) (3)  
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)  
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)  
ENG 394: Comedy Writing (3)  
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)  
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)  
ENG 394: Professional Writing Workshop - Fiction (1-3)  
ENG 394: Professional Writing Workshop - Poetry (1-3)  
ENG 410: Writing for Publication (3)  
ENG 494: Canyon Voices (3)  
ENG 499: Individualized Instruction (3)

#### Writing Portfolio -- 1 credit hours

AMS 490: Writing Certificate Portfolio (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

#### Enrollment Requirements:

The certificate in writing is open to all ASU undergraduate majors. To gain admission to the program, students must demonstrate fundamental writing skills through the completion of English composition. Students are required to submit an application, which includes at least three samples of writing from lower-division courses or independent writing projects. Applications must be submitted at least two months before the start of the semester they anticipate being admitted. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and all required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:**

Certification of advanced writing skills opens the way to a vast array of opportunities: journalism and publishing; public advocacy; military and government careers; elementary and secondary education; industry and management; economic development; and law. Graduates are prepared for jobs as technical writers, copy editors, teachers, publishers, writers, reporters and correspondents, and script writers.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/writing-new-college-certificate>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

# Undergraduate Programs

## Undergraduate Degrees (Program Descriptions)

### Business, W. P. Carey School of

#### Accountancy, BS (BAACCBS)

**Campus:** Tempe, West, Online

**Program Description:**

The School of Accountancy's undergraduate BS program in accountancy offers two tracks during the senior year.

The accounting track is followed by most students and is designed to provide a rich educational experience.

The accounting master's internship is the track designed for the most highly qualified students who wish to commit to the MAcc or MTax program during the second semester of their junior year. The internship provides a particularly rich and individualized educational experience during the senior year. It includes a number of distinct advantages for students: a full-time paid internship for credit with a participating accountancy firm, early consideration for scholarships and possible eligibility for a GMAT waiver and a graduate application fee waiver for the MAcc or MTax program (eligibility is determined by the GPA at the time of application).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Taxation, MTax

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR must have graduated in the top 8% of their high school class OR

have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/accounting-degree/>)

#### **Change of Major Requirements:**

Students should visit the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS website: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAACCBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The major in accountancy includes the essential academic preparation for students who are:

- planning to pursue a graduate degree or attend law school
- pursuing professional careers in public, corporate and governmental accounting
- seeking positions in consulting or are planning to operate a business
- seeking positions in personal financial planning and portfolio analysis

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2018) states, "Employment of accountants and auditors is projected to grow 10% between 2016 and 2026, faster than the average for all occupations."

#### **Contact Information:**

Business, W. P. Carey School of  
School of Accountancy

<https://wpcarey.asu.edu/undergraduate-degrees/accounting>

BA 223Q

[wpcareyacc@asu.edu](mailto:wpcareyacc@asu.edu)

480-965-3631

## **Business, BA (BABUSBA)**

**Campus:** Polytechnic, Tempe, West

#### **Program Description:**

The BA program in business provides an innovative, transdisciplinary approach to learning, which broadens career options upon graduation. Not only do students acquire a strong grounding in the principles of business, they also immerse themselves in coursework outside the business school, supplementing the business degree.

Students in the program learn how to apply core business knowledge in one of the following disciplines:

- agribusiness (global agribusiness)
- business administration

- communication
- corporate accounting
- food industry management
- global leadership
- global logistics management
- global politics
- health care
- human resources
- information security
- law
- language and cultures
- public service and public policy
- retail management
- sports and media studies
- statistics
- sustainability
- technology
- tourism

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students cannot change their major to this degree program. Students should visit Advising SOS,

<https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>), to declare a W. P. Carey business concentration.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students in this bachelor's degree program graduate from one of many concentrations in the W. P. Carey School of Business, and they should see those concentrations for career opportunities.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Business Administration), BA (BABUSBABA)

**Campus:** Polytechnic, West, ASU@Lake Havasu, ASU@The Gila Valley, Online

**Program Description:**

In the BA program in business with a concentration in business administration, students gain a breadth of knowledge and the skills needed for managing business operations. The program provides the full business core plus a concentration with 18 hours of coursework focused on skills such as forecasting demand; planning inventory; purchasing services; conducting skillful negotiations; building strategies for the future and managing people, finances and risk.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Freshman admission requirements for this program are the same as the university's freshman admission requirements.



Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements:**

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the Exploratory Social and Behavioral Sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to the W. P. Carey School of Business will be contacted to select an appropriate major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-concentration-business/>)

**Change of Major Requirements:**

Students should visit the following W. P. Carey website, <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSBABA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the bachelor's degree program in business with a concentration in business administration are prepared to work in a wide range of industries with a broad skill set in managing processes and people. Several anticipated career opportunities are shown below for those who complete the concentration in business administration. Career opportunities include:

- administrative services manager
- business manager
- general and operations management
- sales manager
- training and development manager

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
480-965-4227

## **Business (Chinese Language and Culture), BA (BABUSCLBA)**

**Campus:** Tempe

ASU is no longer accepting new students to this program. Students interested in pursuing a Chinese language track should apply to the language and culture concentration (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BABSLACUBA/undergrad/false>) of the BA in business.

**Program Description:**

The mission of the concentration in Chinese language and culture within the BA program in business is to create global business professionals who can function well culturally and linguistically in the business environment in China and domestically. As China becomes an increasingly important participant in the global economy and as the manufacturing and financial sectors become more globalized, the need for business professionals skilled in communicating in the Chinese language is growing.

With a network of 26 flagship programs at 22 institutions of higher education across the U.S., the language flagship program graduates are prepared to take their place among the next generation of global professionals, commanding a superior level of proficiency in languages critical to U.S. national security and economic competitiveness. This program prepares participants to function professionally in Chinese within diverse business fields.

**Additional Program Fee:** Y**Second Language Requirement:** Yes**First Required Math Course:** MAT 210 - Brief Calculus**Program Math Intensity:** Moderate**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)Transfer (<https://admission.asu.edu/transfer/apply>)International (<https://admission.asu.edu/international/undergrad-student>)Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should visit the following W. P. Carey website, <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>) to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSCLBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program provides students with the fundamental business skills, linguistic training, critical thinking and intercultural competencies required to work in the increasingly globalized world markets that now rely on trade and commerce with China.

Graduates of this program are equipped to play a key role in companies and organizations seeking new markets or dealing with international interests in the U.S. and are suited to the demands of small-business enterprises as well as multinational companies.

Currently, there is a demand for Mandarin-speaking business professionals in the hotel and tourism industry and in the consulting, banking and finance, international trade, sports management and media fields.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://students.wpcarey.asu.edu/chinese-language-and-culture-advising>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Communication), BA (BABUSCBA)

**Campus:** Polytechnic, Tempe, West, ASU@Lake Havasu, Online

**Program Description:**

The BA in business with a concentration in communication is an innovative, transdisciplinary program that prepares students for positions in a variety of professions in which business and communication play an important role in ensuring success.

Students complete rigorous courses within the communication concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Graduates have specific knowledge of business practices and the capacity to effectively communicate complex business information.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

**Transfer Admission Requirements:**

Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-concentration-communication/>)

**Change of Major Requirements:**

Students should visit the following W. P. Carey website, <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSCBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Business communication has exploded as a distinct professional field as companies require rapid and considered responses, from conveying ordinary information to crisis communications. Historically, these positions have been staffed with people trained in communication, English, journalism or other fields but who lack specific business knowledge. Graduates of this program are qualified to enter these positions with knowledge that will be immediately useful to potential employers while advancing their careers.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/communication>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## **Business (Corporate Accounting), BA (BABUSCABA)**

**Campus:** Online

**Program Description:**

The BA program in business with a concentration in corporate accounting addresses the educational needs of many students who have an interest in accounting but no plans to enter public accounting.

The emphasis of this program is managerial accounting. The six major courses in the concentration prepare students for corporate accounting positions by helping students develop skills in strategic financial planning, control, corporate compliance and decision-making.

Upon completion of the program, students may take the Certified Management Accountant exam.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

This program is not available to students with BA, BS or MS degrees in accountancy.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the Exploratory Social and Behavioral Sciences program in University College.

Students with more than 45 transfer credit hours who are not admissible to University College are contacted to select an appropriate major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-corporate-accounting/>)

**Change of Major Requirements:**

Students should visit the following W. P. Carey website, <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS:

<https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>). This program is not available to students who already hold a BA, BS or MS degree in accountancy.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSCABA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about

these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Career opportunities are generally substantive and in high demand. Senior management roles for corporate accountants include chief financial officer positions. Currently, more than half the CFOs at larger corporations have formal accounting training. Projecting into the future, the longer term trend is for CFOs to have extensive corporate accounting training, particularly since CFOs at public U.S. corporations personally sign the financial statements.

Typical early- to mid-career positions held by corporate accountants include controllers, treasurers and vice presidents in areas like financial planning, divisional controlling, cost accounting directing, senior financial analysis and senior accounting. These positions typically report to the CFO.

#### **Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## **Business (Financial Planning), BA (BABUSFPBA)**

**Campus:** Tempe, Online

#### **Program Description:**

The BA program in business with a concentration in financial planning provides students with knowledge and experience in personal financial planning.

Students learn from leading faculty the necessary skills in finance, taxes, portfolio management, insurance and estate planning.

This program delivers to the next generation of financial planning professionals the knowledge and skills needed for developing solutions to clients' personal financial needs.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in an exploratory program.

Students with more than 45 transfer credit hours who are not admissible to an exploratory program will be contacted and asked to select an appropriate major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/financial-planning-business/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSFPBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Financial planners are in high demand in the dynamic field of financial services and planning. Aging populations are paying closer attention to their finances as they approach retirement, and the rising need for financial planning services and advisors translates into huge opportunities for careers in this growing market. Employment of personal financial advisors is projected to grow 15% between 2016 and 2026, much faster than the average for all occupations.

Graduates of the BA in financial planning can secure employment in the growing field of financial services and planning.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees/programs>  
BAC 316  
wpcareyfin@asu.edu  
480-965-3131

## Business (Food Industry Management), BA (BABUSFIMBA)

**Campus:** Polytechnic, Online

**Program Description:**

The BA program in business with a concentration in food industry management provides students with the knowledge and skills needed for leadership roles in the global food industry.

The program has been developed in close coordination with partners in the food industry and provides the full business core plus 21 credit hours of food industry coursework.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM

Global Management (Global Legal Studies), MGM  
Global Management (Integrated Health Care), MGM  
Global Management (Nonprofit Leadership and Management), MGM  
Global Management (Public Administration), MGM  
Global Management (Public Policy), MGM  
Global Management (Sustainability Solutions), MGM  
Global Management (Sustainable Tourism), MGM  
Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-food-industry-management/>)

#### **Change of Major Requirements:**

Students should visit the following W. P. Carey website (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>) (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>) to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS at <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSFIMBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

This concentration in food industry management prepares students for business careers in the food industry, which is defined as the group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and to institutions such as schools and hospitals. The industry is becoming increasingly competitive, sophisticated and global, and it shows a growing demand for professional management as one in six people are employed in the food industry nationwide, with 100,000 in Arizona.



**Contact Information:**

Business, W. P. Carey School of  
Morrison School of Agribusiness  
<https://wpcarey.asu.edu/undergraduate-degrees>  
SANTN 230  
wpcareyug@asu.edu  
480-727-5183

## Business (Global Agribusiness), BA (BABUSGAGBA)

**Campus:** Polytechnic

**Program Description:**

The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The BA program in business with a concentration in global agribusiness teaches students the business of agricultural production, finance, marketing and distribution.

Through a technology-rich, applied, industry-oriented curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability. It is specifically designed to meet the needs of students interested in studying the business aspects of agriculture in the domestic and global economy. Students learn to analyze and manage issues involved in food manufacturing, input and output supply activities, commodity trading and food distribution.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Environmental and Resource Management, MS
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements:**

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGAGBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Accounting for more than 50% of the global economy and employing 25% of Americans, agribusiness brings food from the farm to the global table. Possible career paths include positions with private agribusiness firms and governmental agencies in these fields:

- finance
- management
- marketing
- technology

**Contact Information:**

Business, W. P. Carey School of  
Morrison School of Agribusiness  
<https://wpcarey.asu.edu/undergraduate-degrees>  
SANTN 230  
wpcareyug@asu.edu  
480-727-5183

## Business (Global Leadership), BA (BABUSGBA)

**Campus:** Online

**Program Description:**

The BA program in business with a concentration in global leadership prepares students for careers in the global business environment by developing strong business skills through global studies courses covering a variety of regions around the world. Students also may choose to participate in an international study experience in a variety of countries around the globe.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-global-leadership/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A degree that incorporates solid business skills and global studies helps prepare students for employment in the global business world. Opportunities exist for qualified students to work either domestically or internationally in an international organization. This degree program augments business and leadership skills necessary in most corporations.

**Contact Information:**

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<https://wpcarey.asu.edu/undergraduate-degrees>

BA 160

[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)

480-965-4227

**Business (Global Logistics Management), BA (BABUSGLBA)**

**Campus:** West, Online

**Program Description:**

Logistics management focuses on the integration and partnerships necessary to meet customer needs on a timely basis, with relevant and high-quality products produced and delivered in a service-effective manner.

This BA program in business with a concentration in global logistics management trains students to be strategic thinkers, excellent analysts, effective communicators and team leaders who are focused on efficiency, effectiveness and increasing revenue.

An efficient logistics management system is critical to the success of global corporations, ensuring the supply of goods and services flowing through the system closely matches the demand. Logistics management professionals manage, coordinate and transport products from raw materials to the finished goods that sit on a local store shelf or are offered by an online retailer. Efficient logistics is a key reason consumers can buy an ever-increasing variety of goods and services at remarkably low prices. Not surprisingly, logistics also plays a major role in the health care industry where efficient, effective delivery systems are gaining significant traction.

**Additional Program Fee:** Y**Second Language Requirement:** N**First Required Math Course:** MAT 210 - Brief Calculus

or MAT 117 College Algebra

**Program Math Intensity:** Moderate**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: International Trade, BS

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management (Creative Industries and Design Thinking), MGM

Global Management (Digital Audience Strategy), MGM

Global Management (Global Affairs), MGM

Global Management (Global Business), MGM

Global Management (Global Development and Innovation), MGM

Global Management (Global Digital Transformation), MGM

Global Management (Global Entrepreneurship), MGM

Global Management (Global Health Care Delivery), MGM

Global Management (Global Legal Studies), MGM

Global Management (Integrated Health Care), MGM

Global Management (Nonprofit Leadership and Management), MGM

Global Management (Public Administration), MGM

Global Management (Public Policy), MGM

Global Management (Sustainability Solutions), MGM

Global Management (Sustainable Tourism), MGM

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)Transfer (<https://admission.asu.edu/transfer/apply>)International (<https://admission.asu.edu/international/undergrad-student>)Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Concurrent degree admission requirements:

Students interested in the international trade and business (global logistics management) program must meet general university admission requirements.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Transfer students must have a cumulative transfer GPA of 3.00 and a cumulative ASU GPA of 3.00 (if applicable) in addition to meeting the general admission requirements in order to be admitted to this program. If the student does not meet the admission requirements for the concurrent program, they are placed in the BS in international trade.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-global-logistics-management/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGLBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Logistics management professionals hold a range of job titles and engage in a wide variety of activities in the private, nonprofit and governmental sectors. Apple and Walmart CEOs previously held logistics-related positions at those organizations. This demonstrates the high value of leaders who understand the importance of logistics for enterprise success.

**Contact Information:**

Business, W. P. Carey School of  
Department of Supply Chain Management  
<https://wpcarey.asu.edu/undergraduate-degrees>  
FAB N106  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
480-965-6044

## Business (Global Politics), BA (BABUSGPBA)

**Campus:** Tempe

**Program Description:**

The BA program in business with a concentration in global politics teaches students solid business skills with a global perspective, enabling them to realize and analyze the relationship between business and social science.

Students in this program complete the rigorous courses within the global politics concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGPBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the global politics concentration think critically about global problems and integrate inquiry and action in order to become responsible leaders. They are prepared to successfully launch careers in many fields including:

- campaign and issue management
- information analysis
- public relations

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Health Care), BA (BABUSHCBA)

**Campus:** West

**Program Description:**

The BA program in business with a concentration in health care prepares students to operate within the challenging and dynamic health care industry by helping them develop skills and acquire knowledge through one of its five specialized tracks --- health care analytics, communication, coordination, innovation and delivery.

Graduates possess the ability to understand different stakeholders in complex environments, and they go on to pursue careers in health care management and leadership.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM

Global Management (Sustainable Tourism), MGM

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer applicants must have a GPA of 3.00 for all transfer coursework and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer credit hours who are not admissible to University College are contacted to select an appropriate major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSHCBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This program provides students with core business skills such as computer information systems, accounting, basic economic theory, finance, management, marketing and supply chain management as well as in-depth knowledge in relation to the business of health care.

Graduates are prepared for careers in the public or private health care setting related to health care management, administration, access, analytics and policy setting.

**Contact Information:**

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/business-health-care>

FAB N106

[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)

602-543-6200



## Business (Human Resources), BA (BABUSHRBA)

**Campus:** Polytechnic

### Program Description:

The BA program in business with a concentration in human resources involves both theoretical and applied concepts with a focus on practical and applied aspects of human resources. This degree is applicable to any business or governmental organization as all have a need to manage their personnel services.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

### Change of Major Requirements:

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSHRBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The bachelor's degree in business with a concentration in human resources provides students with the knowledge, abilities, and comprehensive set of skills that allow them to move into any business, industry or governmental organization and perform necessary human resource tasks.

There is growing demand for human resources professionals to handle issues like corporate social responsibility and ethics, sustainability, workplace diversity and inclusion and labor relations.

**Contact Information:**

Business, W. P. Carey School of  
Department of Management and Entrepreneurship  
<https://wpcarey.asu.edu/undergraduate-degrees>  
SANTN 230  
wpcareyug@asu.edu  
480-727-5183

## Business (Information Security), BA (BABUSISBA)

**Campus:** West, Online

**Program Description:**

Data security has become an everyday part of business operations. Protecting key stakeholders and clients is an essential aspect for businesses of all sizes and types.

The BA program in business with a concentration in information security provides students with core business skills as well as the basic critical and technical skills necessary to understand cyber threats, security and prevention in the business setting.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.  
Academic Catalog Archive 2021-2022

**Transfer Admission Requirements:**

Transfer applicants must have a GPA of 3.00 for all transfer work and must meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/information-security-business-degree/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSISBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This is an ideal degree for students interested in anything from small-business startups to the management of large cybersecurity companies. The degree program prepares those who are interested in managing digital business, working in organizations that predominantly conduct business online, and developing basic information security technical competency relevant for most organizations.

**Contact Information:**

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<https://wpcarey.asu.edu/undergraduate-degrees/admission-requirements>

FAB N101

[wpcadmissions@asu.edu](mailto:wpcadmissions@asu.edu)

602-543-6200

## Business (Language and Culture), BA (BABSLACUBA)

**Campus:** Tempe, West

**Program Description:**

The BA in business with a concentration in language and culture is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and communication play an important role in ensuring success.

Students complete rigorous courses in Chinese, French, Italian or Spanish languages in addition to the skill and core courses required of all W. P. Carey School of Business students, enabling them to become business professionals who can function well culturally and linguistically in the business environments of both international and domestic markets.

**Additional Program Fee:** Y

**Second Language Requirement:** Y

**First Required Math Course:** MAT 210 - Brief Calculus

or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer credit hours who are not admissible to University College are contacted to select an appropriate major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU ([https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABSLACUBA-null + &college=CBA](https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABSLACUBA-null+%&college=CBA)) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students who successfully complete this program are equipped to play a key role in companies and organizations seeking new markets or dealing with international interests domestically. The demand for multilingual business professionals is strong in the hotel and tourism industry and in consulting, banking and finance, international trade, sports management and media companies.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcadmissions@asu.edu  
480-965-4227

**Business (Law), BA (BABUSLBA)**

**Campus:** Tempe, Online

**Program Description:**

The BA in business with a concentration in law is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and law play an important role in ensuring success.

The law concentration, with its strong business background, gives students a systematic framework for analyzing real-world legal regulation and corresponding business risks and liabilities. Students in this program complete rigorous courses within the law concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

**Transfer Admission Requirements:**

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/business-law-major/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSLBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The law concentration is designed for students who intend to pursue careers in the business world and exposes them to aspects of law and legal issues relevant to their career goals. Graduates of this program are prepared to use their skills in a variety of industries ranging from new business ventures to corporate or agency compliance.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
480-965-4227

## **Business (Public Service and Public Policy), BA (BABUSPBA)**

**Campus:** Tempe

**Program Description:**

The BA program in business with a concentration in public service and public policy combines strong business skills with topics in public policy and public administration. Students become familiar with leading a public organization and the process of policy development. They also examine the public sector through multiple lenses and address its challenges in a practical way.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSPBA~null + &college=CBA>) to outline a list of recommended courses

to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is an increase in job opportunities in the public sector for graduates due to retiring workers and an increasing demand for public services. Through comprehensive coverage of topics in public policy and public administration, the degree program prepares students for work in public, nonprofit and private sectors.

The program also offers preparation for students who wish to pursue graduate degrees in:

- law
- nonprofit administration or other public service
- policy-oriented areas
- public administration
- public policy

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Retail Management), BA (BABUSRBA)

**Campus:** Online

**Program Description:**

The BA program in business with a concentration in retail management provides a business curriculum focused on the knowledge and skills needed for leadership roles in the retail industry.

The degree program has been developed in collaboration with faculty and industry professionals to provide a curriculum responsive to industry needs. Drawing on coursework from four areas in the concentration, the program offers the full business core plus 18 credit hours of retail-specific coursework, providing students with the broad preparation and leadership skills required today.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements.

Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.



Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-retail-management/>)

#### **Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSRBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates are ready to assume positions of responsibility in the retail industry. Several anticipated career opportunities for graduates are:

- administrative services manager
- business manager
- food service manager
- general and operations management
- management analyst
- operations specialist
- purchasing or buying manager
- sales manager
- training and development manager
- wholesale and manufacturing representative

#### **Contact Information:**

Business, W. P. Carey School of

Department of Marketing

<https://wpcarey.asu.edu/undergraduate-degrees>

BA 160

[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)

480-965-4227

## **Business (Spanish Language and Culture), BA (BABUSSLBA)**

**Campus:** Tempe, West

ASU is no longer accepting new students to this program. Students interested in pursuing a Spanish language track should apply to the language and culture concentration (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BABSLACUBA/undergrad/false>) of the BA in business.

#### **Program Description:**

The BA in business with a concentration in Spanish language and culture is an innovative, transdisciplinary program that prepares students for positions in a variety of professions in which business and communication play an important role in ensuring success.

The program mission is to create global business professionals who can function well culturally and linguistically in the business environment in both Latin America and the domestic market. Students complete rigorous courses within the Spanish language in addition to the skill and core

courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSSSLBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are equipped to play a key role in companies and organizations seeking new markets or dealing with international interests in the U.S. and are suited to the demands of small-business enterprises as well as multinational companies.

Currently, there is a demand for Spanish-speaking business professionals in the hotel and tourism industry and in consulting, banking and finance, international trade, sports management and media. Additionally, businesses of all types, especially locally, are actively recruiting bilingual applicants.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Sports Business), BA (BABUSMSBA)

**Campus:** Tempe, Online

### Program Description:

The BA program in business with a concentration in sports business is attractive to students with an interest in the sports industry.

This concentration provides students with the necessary skills to build knowledge and understanding of the development of the strategic business process in sports organizations and its relationship to media. The program offers a strong focus on applied elements of the sports industry, especially as it relates to media and its impact on the industry.

The proliferation of mass communication (including television, game systems and social networks) has transformed sports into a highly commercialized industry and, in turn, sports continue to generate revenues for these businesses. The interaction between sports and media has led to a multitude of applications of business knowledge to these fields.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/sports-business-degree/>)

#### **Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSMSBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Career opportunities for graduates could include jobs with titles such as:

- administrative service manager
- advertising and sponsorship salesperson
- agent
- business manager
- event planner
- management analyst
- operations specialist
- purchasing or buying manager
- wholesale and manufacturing representative

Graduates of this concentration find opportunities in mass communication, including television, game systems and social networks. The interaction between sports and media has led to a multitude of applications of business knowledge to these fields.

#### **Contact Information:**

Business, W. P. Carey School of

Department of Marketing

<https://wpcarey.asu.edu/undergraduate-degrees>

BAC 460

[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)

480-965-3621

## **Business (Statistics), BA (BABUSTABA)**

**Campus:** West

#### **Program Description:**

The BA program in business with a concentration in statistics is designed for students interested in a curriculum that helps them develop solid business skills with an emphasis in mathematics and statistics. The program involves theoretical and applied statistics with a focus on practical and applied aspects of statistics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management (Creative Industries and Design Thinking), MGM

Global Management (Data Science), MGM

Global Management (Digital Audience Strategy), MGM

Global Management (Global Affairs), MGM

Global Management (Global Business), MGM

Global Management (Global Development and Innovation), MGM

Global Management (Global Digital Transformation), MGM

Global Management (Global Entrepreneurship), MGM

Global Management (Global Health Care Delivery), MGM

Global Management (Global Legal Studies), MGM

Global Management (Integrated Health Care), MGM

Global Management (Nonprofit Leadership and Management), MGM

Global Management (Public Administration), MGM

Global Management (Public Policy), MGM

Global Management (Sustainability Solutions), MGM

Global Management (Sustainable Tourism), MGM

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>).

Students ready to change their major should submit their request through W. P. Carey's Advising SOS:

<https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSTABA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared to move into business or governmental positions, using statistics to help make decisions and solve problems. They find positions such as:

- financial analysts
- market and survey researchers
- personal financial advisors
- statisticians

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
FAB N101  
wpcareyug@asu.edu  
602-543-6200

## Business (Sustainability), BA (BABUSSBA)

**Campus:** Polytechnic, Tempe, West, Online

**Program Description:**

The BA in business with a concentration in sustainability is an innovative, transdisciplinary program that combines the latest trends in business with cutting-edge knowledge of sustainability.

Students in this program complete rigorous courses within the sustainability concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors. Graduates are prepared for positions in a variety of professions in which both business and sustainability play important roles.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM

## Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-sustainability/>)

### Change of Major Requirements:

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSSBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Finding ways to grow and prosper while reducing the stress on the global environment is a critical issue facing today's society. Interest in sustainability issues is growing and most likely will be increasingly important to business in the next few years.

People around the world are asking serious questions about how they can understand, evaluate and act on issues related to sustainability while making sensible business decisions for both the short and long run. Qualified individuals are needed, those who understand that ensuring success involves the societal, scientific and business aspects of the issues. Graduates from this degree program fill these needs.

### Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business (Technology), BA (BABUSTCBA)

**Campus:** Polytechnic

### Program Description:

The BA in business with a concentration in technology is an innovative, transdisciplinary degree program intended to prepare students for positions in a variety of professions in which business and technology play an important role.

This program incorporates business knowledge and a strong skill set in technology and is designed to help students realize and analyze the relationship between business and technology.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.



major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSTCBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with a bachelor's degree in business with a concentration in technology bring a solid background in business to technology companies and also the ability to apply their technological skills in a variety of industries.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
SANTN 230  
[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)  
480-727-5183

## Business (Tourism), BA (BABUSTBA)

**Campus:** Tempe, Online

**Program Description:**

The BA in business with a concentration in tourism is an innovative, transdisciplinary program that prepares students for positions in a variety of professions in which business and tourism play important roles in ensuring success.

Students in this program complete rigorous courses within the tourism concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Developing tourism and recreation opportunities requires an understanding of effective marketing techniques and the ability to interact with many different types of businesses that support those efforts. With a solid academic preparation in business, graduates are positioned for success in the tourism industry and affiliated professions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM

Global Management (Global Business), MGM  
Global Management (Global Development and Innovation), MGM  
Global Management (Global Digital Transformation), MGM  
Global Management (Global Entrepreneurship), MGM  
Global Management (Global Health Care Delivery), MGM  
Global Management (Global Legal Studies), MGM  
Global Management (Integrated Health Care), MGM  
Global Management (Nonprofit Leadership and Management), MGM  
Global Management (Public Administration), MGM  
Global Management (Public Policy), MGM  
Global Management (Sustainability Solutions), MGM  
Global Management (Sustainable Tourism), MGM  
Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-tourism/>)

#### **Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSTBA~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Tourism management and development combines marketing and economic development with an emphasis on managerial understanding to promote smooth operations. The combination of skills acquired from exposure to both business and tourism courses make graduates more marketable and productive in their careers.

**Contact Information:**

Business, W. P. Carey School of  
Dean, W.P. Carey School of Business  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 160  
wpcareyug@asu.edu  
480-965-4227

## Business Data Analytics, BS (BABDABS)

**Campus:** Tempe, Online

**Program Description:**

The BS program in business data analytics prepares business students with the requisite knowledge, skills and experience to create and manage big data initiatives as well as associated business processes to facilitate large-scale business data analytics in organizations.

Students learn organizational and technical competencies to implement data gathering, cleansing, integration and modeling tasks as well as data asset analysis for business applications. The program covers data warehousing, dimensional modeling, big data analytics methods and visualization tools and techniques, and it introduces topics such as data mining and predictive analytics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

**Transfer Admission Requirements:**

Transfer admission requirements (30 or more semester hours of credit after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-business-data-analytics/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABDABS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The demand for employees with business analytics skills is strong, with close to 89% of employers indicating their needs for new recruits skilled in business data analytics will increase in the future [source: Occupational Information Network (O\*NET)].

Graduates can become data analysts, data architects, data visualization developers, data change agents and data operators. Many graduates serve as architects, change agents and analytics tool suite operators for business and government.

**Contact Information:**

Business, W. P. Carey School of  
Department of Information Systems

<https://wpcarey.asu.edu/undergraduate-degrees>

BA 301P

## Business Entrepreneurship, BS (BABUENTBS)

**Campus:** Tempe

### Program Description:

The BS program in business entrepreneurship prepares students to identify, evaluate and develop entrepreneurial opportunities in existing companies or through new ventures.

The program emphasizes collaboration, leadership, communication and team-building as well as development of refined analytical, managerial and leadership skills appropriate for people who want to change the world through innovation. Students in the program frequently collaborate with students from across the university for a breadth of understanding in all business disciplines and a depth of understanding in opportunity recognition, feasibility, management of resources and strategy.

Students completing the program understand the unique requirements of an entrepreneur and have learned how to effectively identify market opportunities, innovative solutions and execution strategies.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA

programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

**Transfer Admission Requirements:**

Transfer admission requirements (30 or more semester hours of credit after high school): Students must have a transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUENTBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates may follow multiple self-directed paths such as starting a new venture or nonprofit organization, working for a new venture or a small business, or working as an innovative leader within an existing organization.

**Contact Information:**

Business, W. P. Carey School of  
Department of Management and Entrepreneurship  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 323  
wpcareymgt@asu.edu  
480-965-3431

## Business Exploratory, (BABUSEXP)

**Campus:** Tempe

**Program Description:**

Virtually every profession and organization uses business in some way. Business exploratory students have an opportunity to explore a variety of areas in business prior to selecting one of these nine majors:

- accountancy
- business data analytics
- business entrepreneurship
- computer information systems
- economics

- finance
- management
- marketing
- supply chain management

Students have an opportunity to work with world-class faculty in an environment that values high-quality teaching. Majors in the W. P. Carey School of Business provide students with the skills and knowledge needed in today's companies --- whether they are starting their own businesses or working in large multinational corporations. Additionally, many graduates attend some of the other top-tier graduate schools in the country in a variety of disciplines.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

This major has higher admission standards. Freshmen admission requirements: Students must have achieved a 1230 SAT Reasoning or 25 ACT score, OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer Admission Requirements:

For students who hold 30 or more transfer credit hours after high school: Students must have a transfer GPA of 3.00 and a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

**Change of Major Requirements:**

Students are not permitted to change their major to this degree program. Students admitted to this exploratory program who are ready to declare their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSEXP~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students in business exploratory have the opportunity to graduate from one of many BS degree programs in the W. P. Carey School of Business. For career opportunities, students should see the options highlighted in those specific programs.

**Contact Information:**

Business, W. P. Carey School of

Prebusiness Office

<https://wpcarey.asu.edu/undergraduate-degrees>

BA 160

[wpcareyug@asu.edu](mailto:wpcareyug@asu.edu)

480-965-4227

# Computer Information Systems, BS (BACISBS)

**Campus:** Tempe, Online

## **Program Description:**

Computer information systems are part of every business and organization. In this degree program, students learn about the exciting and innovative ways that information technology is used to help organizations succeed.

Dedicated faculty members teach students how to design, build and maintain information systems that support business operations and managerial decision-making. In particular, students learn about business intelligence for competitive advantage, business process for workflow redesign, data management for decision-making, distributed systems for collaboration and globalization, enterprise integration for synergy, project management and solution development for value creation.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

## **Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

## **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: Students must have a score of 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): Students must have a transfer GPA of 3.00 and a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/computer-information-systems-bs/>)

## **Change of Major Requirements:**



Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: <https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BACISBS-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Currently, there is a shortage of information systems professionals, with many more jobs than qualified applicants. With a degree in computer information systems, career choices are limitless. A computer information systems degree offers job opportunities in a variety of industries, including:

- education
- entertainment
- finance
- health care
- national defense
- transportation

Information systems are key components in the success of other functional business areas such as accounting, supply chain management, finance and marketing. Entry-level information systems positions include:

- computer forensics analyst
- database administrator
- information systems consultant
- information technology security manager
- network administrator
- project manager
- software or systems developer
- systems administrator
- systems analyst

Long-term career aspirations for a student with a computer information systems degree include:

- chief executive officer
- chief information officer
- chief knowledge officer
- chief security officer
- chief technology officer

#### **Contact Information:**

Business, W. P. Carey School of  
Department of Information Systems  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BA 301P  
wpcareyis@asu.edu  
480-965-3252

## **Economics, BS (BAECNBS)**

**Campus:** Tempe, Online

#### **Program Description:**

The economics program requires students to have a strong core of economic theory, supplemented by mathematics and data analysis.

Students in this W. P. Carey BS program in economics choose from a variety of electives offered by the Department of Economics or many other ASU departments. All students are encouraged to develop programs of study tailored to individual needs and interests. The undergraduate program provides students with the critical thinking and communication skills needed to succeed in business or graduate school. The program of study can also be tailored to prepare students for graduate programs in economics, business or law. Students interested in pursuing a doctorate in economics are strongly encouraged to minor or major in mathematics as well.

The department's mission is to provide the highest quality instruction to students, conduct cutting-edge research in economics and provide leadership and service to professional communities.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Engineering Management, BSE

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business

BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

**Transfer Admission Requirements:**

Transfer admission requirements (30 or more semester hours of credit after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class or an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in exploratory social and behavioral sciences in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

Concurrent degree admission requirements: Engineering Management, BSE and Economics, BS:

- minimum 1250 SAT combined math and verbal (650 minimum on SAT math) or minimum 29 ACT combined score (29 minimum on ACT math), and
- minimum ABOR GPA of 3.00

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/economics-bs-wpc/>)

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAECNBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A major in economics provides students with the analytical and quantitative skills needed to prepare them for careers in business, government or public policy.

Graduates have taken positions such as:

- consultants who serve as advisers to state and federal governments as well as private corporations
- corporate economists who collect data and make forecasts relevant to the firm's business
- employment in banking and financial services firms

Each year, many graduates pursue additional studies at other prestigious universities.

**Contact Information:**

Business, W. P. Carey School of  
Department of Economics

<https://wpcarey.asu.edu/undergraduate-degrees>

CPCOM 412

wpcareyecn@asu.edu

480-965-3531

## Finance, BS (BAFINBS)

**Campus:** Tempe

### Program Description:

The finance department has a rich tradition of educating leaders who excel in all aspects of the discipline of finance. Whether ascending to the top ranks of the venture capital industry, executing multimillion dollar real estate deals or becoming successful entrepreneurs with their own ideas and drive, graduates of the BS program in finance from the W. P. Carey School of Business are equipped to succeed.

In particular, the Investment Banking Industry Scholars program mentors students interested in going to Wall Street. The student investment management fund provides undergraduates with the opportunity to manage a real-world investment portfolio worth hundreds of thousands of dollars.

Finance department faculty members are considered among the top in the world. The professional advisory board, comprised of leading professionals from the financial services, manufacturing, energy, investment banking and real estate sectors, provides a sounding board for new ideas and is a resource of jobs for top graduates.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

**Transfer Admission Requirements:**

For students who hold 30 or more transfer credit hours after high school: transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAFINBS-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for careers in:

- consulting
- corporate financial management
- depository institutions
- financial services
- investment banking
- investment management
- portfolio analysis

**Contact Information:**

Business, W. P. Carey School of

Department of Finance

<https://wpcarey.asu.edu/undergraduate-degrees>

BAC 519

[wpcareyfin@asu.edu](mailto:wpcareyfin@asu.edu)

480-965-3131

## Food Industry Management, BS (BAFIMBS)

**Campus:** Polytechnic

ASU is no longer accepting new students to this program. Please explore Degree Search for similar program options.

**Program Description:**

The BS program in food industry management is unique and has been developed in close coordination with partners in the food industry to help ensure graduates have the knowledge and skills needed to become immediate leaders in the industry. Students combine core courses in business disciplines (finance, marketing, management, accounting, supply chain management and economics) with courses specific to the food industry.

Students select from courses in the following areas: environmental management and sustainability, food industry sales and management, food marketing strategy, food retailing, food supply networks, futures and options markets, innovation and food product development, insurance, pricing and promotion strategy in food markets, retail information analysis and risk management.

Each of the courses addresses a different issue in which the fundamental concepts, theoretical approaches, analytical methods and industry practices are unique to the food industry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to the College of Letters and Sciences will be contacted to select an appropriate major.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAFIMBS-null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The W. P. Carey degree program in food industry management prepares students for business careers in the food industry, which is defined as the

group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and institutions such as schools and hospitals.

Potential careers for graduates include:

- brand manager for a food manufacturing firm
- commodities trader for an investment bank or hedge fund
- district manager for a food retailer
- loan officer for a bank with a food industry portfolio

**Contact Information:**

Business, W. P. Carey School of  
Morrison School of Agribusiness  
<https://wpcarey.asu.edu/undergraduate-degrees>  
SANTN 230  
wpcareyug@asu.edu  
480-727-5183

## Management, BS (BAMGTBS)

**Campus:** Polytechnic, Tempe, West, Online

**Program Description:**

The W. P. Carey BS program in management prepares students to become effective managers and team leaders. Students gain theoretical and conceptual knowledge and build critical skills such as:

- analytical research and problem-solving
- communication
- critical thinking
- global applications
- leadership
- personal ethics and integrity
- teamwork

The curriculum includes the fundamentals of the global economy, the world of e-business, ethics, human resource and strategic management and collaborative team skills. Throughout the program, theories and concepts of management and ethical leadership are enhanced by experiencing and testing them in skill-based exercises, case discussions and real-world, team-based project work.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM

Global Management (Sustainability Solutions), MGM

Global Management (Sustainable Tourism), MGM

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-management/>)

#### **Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMGTBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The management major prepares graduates for managerial leadership in a world characterized by:



- corporate accountability
- cross-functional management
- demands for continuous process improvements to enhance the value chain
- ethical decision-making
- growing technological sophistication
- racial, cultural and gender diversity in the workforce
- the fast pace of e-business
- the need for skills in communicating and working with people, directing projects and managing change

Graduates with skills in these areas are likely to be recruited by:

- for-profit and nonprofit organizations
- high-tech firms
- large and small organizations
- management consulting firms
- service and manufacturing firms

The ONET salaries below reflect median salaries, not starting salaries.

**Contact Information:**

Business, W. P. Carey School of  
 Department of Management and Entrepreneurship  
<https://wpcarey.asu.edu/undergraduate-degrees>  
 BA 323  
 wpcareymgt@asu.edu  
 480-965-3431

**Marketing, BS (BAMKTBS)**

**Campus:** Tempe, Online

**Program Description:**

Students pursuing the BS in marketing gain an understanding of the science behind consumer behavior and the critical role that marketing plays in all organizations. In addition, students develop marketing skills that provide a competitive advantage in their careers.

The nationally ranked and award-winning marketing faculty share a passion for teaching and mentoring undergraduate students. Faculty members provide many productive ways for students to get involved in the life of the department and work with business partners.

The department is home to the Center for Services Leadership, the premier international center for the study of the science of services and offers distinctive coursework in professional sales, relationship management and sports business.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM

Global Management (Global Legal Studies), MGM  
Global Management (Integrated Health Care), MGM  
Global Management (Nonprofit Leadership and Management), MGM  
Global Management (Public Administration), MGM  
Global Management (Public Policy), MGM  
Global Management (Sustainability Solutions), MGM  
Global Management (Sustainable Tourism), MGM  
Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-marketing/>)

#### **Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMKTBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Through the proper selection of coursework and other educational experiences, a marketing student may prepare for a variety of careers in areas such as:

- business development
- business-to-business marketing
- customer relationship management
- international marketing
- market research and information management
- marketing communications
- professional sales and relationship management
- retail management
- sales management
- services marketing

The degree program provides fundamentals, flexibility and specialization opportunities.

#### **Contact Information:**

Business, W. P. Carey School of  
Department of Marketing  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BAC 460  
wpcareymkt@asu.edu  
480-965-3621

## **Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)**

**Campus:** Tempe

#### **Program Description:**

Designed specifically for the marketing major, this digital and integrated marketing communications concentration builds on the knowledge provided in the major and prepares marketing students with specialized knowledge and training in the areas of advertising, brand management and digital marketing.

The purpose of the concentration within the BS program in marketing is to equip students with cutting-edge knowledge in the marketing communications area so they are well prepared to assume jobs in the areas of advertising, brand management and digital marketing. This concentration provides specialized expertise to graduates in an area that is growing in importance in the marketplace.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM

Global Management (Sustainability Solutions), MGM

Global Management (Sustainable Tourism), MGM

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements:

Transfer admission requirements (30 or more semester hours of credit after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

### **Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMKDIMCBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

While the number and quality of job opportunities in advertising and brand management is relatively small, the number of entry-level positions in digital marketing has exploded. A sampling of career opportunities include:

- digital account manager
- digital marketing analyst

- digital marketing coordinator
- digital marketing specialist
- electronic marketing specialist

**Contact Information:**

Business, W. P. Carey School of  
 Department of Marketing  
<https://wpcarey.asu.edu/undergraduate-degrees>  
 BAC 460  
[wpcareymkt@asu.edu](mailto:wpcareymkt@asu.edu)  
 480-965-3621

**Marketing (Professional Sales), BS (BAMKTPSBS)**

**Campus:** Tempe

**Program Description:**

The W. P. Carey BS program in marketing with a concentration in professional sales is designed for undergraduate marketing students who are interested in pursuing the many opportunities in professional sales.

The curriculum includes courses in professional sales as well as sales management and consumer behavior, and an internship in sales is required.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA

programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

**Transfer Admission Requirements:**

Transfer admission requirements (30 or more semester hours of credit after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:**

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements:

<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors> (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMKTPSBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The number of employers interested in hiring professionals for sales roles far exceeds the number of students who are pursuing career opportunities in sales.

Graduates are prepared for careers in account management across a variety of industries in the business-to-business and consumer products domains.

**Contact Information:**

Business, W. P. Carey School of  
Department of Marketing  
<https://wpcarey.asu.edu/undergraduate-degrees>  
BAC 460  
[wpcareymkt@asu.edu](mailto:wpcareymkt@asu.edu)  
480-965-3621

## Supply Chain Management, BS (BASCMBMS)

**Campus:** Tempe, Online

**Program Description:**

Supply chain managers coordinate the production flow of goods and services, enabling the transformation of raw materials into the final products made available to consumers, whether on local store shelves or through online retailers. Supply chain management, involving multiple vendors in different countries, is a key reason that people can buy an ever-increasing variety of goods and services at remarkably low prices.

The BS program in supply chain management provides W. P. Carey School of Business students with an in-depth knowledge of integrated supply chain management. The curriculum focuses on:

- execution systems
- logistics
- negotiations
- operations
- planning
- procurement
- strategy development

Classes are small and use projects and case studies to bring the material to life.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Sustainability, BA

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshmen admission requirements: Students must have a score of 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.

**Transfer Admission Requirements:**

Transfer admission requirements (30 or more semester hours of credit after high school): Students must have a transfer GPA of 3.00 and either a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/supply-chain-management-bs/>)

**Change of Major Requirements:**

Students should visit the W. P. Carey website (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>) (<https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors>) to determine if they meet change of major requirements. Students ready to change their major should submit their request through W. P. Carey's Advising SOS: <https://apps.wpcarey.asu.edu/apps/advising/index.cfm> (<https://apps.wpcarey.asu.edu/apps/advising/index.cfm>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BASCMBBS~null + &college=CBA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career track progression could lead to the vice president level in supply chain-related areas. ASU supply chain management graduates are recruited by firms from around the world and in all sectors of the economy, including:

- health care
- manufacturing
- public and private
- retail
- service

Graduates of program are highly sought after and have excellent placements. The following are some positions that supply chain management graduates have obtained:

- buyer or planner
- commodity manager
- distribution manager
- internet marketing analyst
- inventory specialist
- logistics planner
- materials manager



- operations planner or analyst
- planner or analyst
- product forecaster
- production coordinator
- production line manager
- production scheduler
- quality control specialist
- supply management analyst

**Contact Information:**

Business, W. P. Carey School of  
 Department of Supply Chain Management  
<https://wpcarey.asu.edu/undergraduate-degrees>  
 BA 446  
 wpcareyscm@asu.edu  
 480-965-6044

## Design and the Arts, Herberger Institute for

### Architectural Studies, BSD (ARSTDBSD)

**Campus:** Tempe

**Program Description:**

Architects design buildings and environments that are useful, sustainable and aesthetically pleasing. This implies an understanding of people's needs, the science and technology of building and the concepts of aesthetics.

The faculty in The Design School offer a BSD program in architectural studies. In addition to developing knowledge and skills in architectural thinking, building technology, history and theory and professional practice, students are encouraged to select electives from a broad range of approved courses within the institute and across the university. These electives may be selected to devise a minor, to further professional study or to enrich the student's academic experience in some other fashion.

This is an eight-semester program requiring sequential completion of studio coursework or approved equivalent at any point of entry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARSTDBSD~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about

these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the bachelor's degree program are prepared for graduate school as well as a range of design-related careers. Those who wish to become licensed can complete their professional studies by attending an accredited professional master's degree. The Design School offers a two-year professional MArch for graduates of the undergraduate program.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu/degree-programs>  
CDN 162  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-4495

## Art (Animation), BFA (HIARTANBFA)

**Campus:** Tempe

**Program Description:**

The BFA program in art with a concentration in animation prepares students to excel in the field of animation.

Animation students are provided an education that simultaneously sustains tradition and fosters innovation through embracing new visualization methodologies and tools with the potential to advance discoveries and insights across disciplines.

Upon completion of the program, graduates are able to demonstrate the technical and artistic abilities to create animations for exhibition in arts venues (galleries, museums, festivals, etc.) and in entertainment media-arts industries. They also are prepared to pursue advanced research in graduate animation programs.

The mission of the Herberger Institute for Design and the Arts is to create works of art, explore the history and traditions of art production, understand more about art's function in society and promote national and international recognition for research and creative activities while fostering cultural development in the community.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIARTANBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Animators work within the realms of fine arts, design, cinema, television, video games, online media, augmented and virtual reality, scientific and data visualization, medical illustration, robotics and a range of other emerging fields.

Top job titles for those with an education in animation include:

- animator
- art director
- artist
- designer
- graphic artist
- graphic designer
- multimedia designer
- creative director

For the last several years, jobs for multimedia artists, animators, film and video editors are continuing to trend upward nationally.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Art (Art Education), BFA (FAARTEBFA)

**Campus:** Tempe

**Program Description:**

The BFA program in art with a concentration in art education involves creative teaching and learning processes and strategies, first-hand experience teaching art for a range of ages, the study of art history and global cultures, and practice in a variety of studio areas.

The program focuses on engaging with artistic inquiry and education in K-12, community and museum settings. Students investigate issues related to teaching art from multiple perspectives, including:

- creativity and critical thinking
- ecological connections
- inquiry-based learning
- interdisciplinary curriculum development
- multicultural contexts
- studio and conceptual art practices

In addition to their art education coursework, students are required to take coursework in the various studio areas offered in the School of Art. Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students are admitted directly to the art education concentration upon admittance to the BFA program in art.

**Transfer Admission Requirements:**

Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the art education concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTEBFA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates who also complete the state certification requirements for an art specialist certificate may teach in public and private elementary schools, middle schools and high schools. Graduates who do not seek state certification may find opportunities for jobs with some charter schools, art museums, nonprofit art spaces and recreational or community-oriented service groups that offer art instruction.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art

<https://art.asu.edu/degree-programs/art-education?dept=160343&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Art (Art History), BA (FAARTHBA)

**Campus:** Tempe, Online

**Program Description:**

The BA in art history is a dynamic program that investigates visual culture and engages students in a rich and diverse curriculum. Inherently interdisciplinary, art history intersects with a variety of fields including history, literature and economics.

Faculty members emphasize critical concepts in their teaching, including the close study of artists, objects and technologies. Students explore art's history in economic, social and political contexts and the relationship of visual art to other disciplines such as literature, science, anthropology, media and performance studies. In addition to art history courses, the program includes interdisciplinary coursework from disciplines across the university.

Internships are available at a wide range of arts organizations. The program is enriched by partnerships with the ASU Art Museum and museums throughout the Phoenix metropolitan area and beyond, including an affiliation with the Los Angeles County Museum of Art.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process for freshmen at the time of admission to ASU.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200-level art requirements, or if they are interested in art history or museum studies they will submit a declaration form in the semester in which they complete 30 hours.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-art-history/>)

**Change of Major Requirements:**

An ASU student who would like to change a major to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTHBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of art history at the bachelor's degree level find employment opportunities in commercial art galleries, art museums and historical societies and archives. Other options include arts agencies and public art programs or admission to prestigious graduate programs across the nation.

A graduate degree is essential for professional positions, as a master's degree prepares individuals to teach at the community college level; to practice and publish as an art critic or writer; to enhance one's own practice as an artist; or gain entry into museums, archives, historical societies,

auction houses, publishing companies and academic presses as well as to art libraries. The doctorate is a necessity for employment as a university or college teacher and for responsible administrative and curatorial positions in the museum and publishing world.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art

<https://art.asu.edu/degree-programs/art-history-museum-studies?dept=160344&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Art (Art Studies), BA (FAARTSTDBA)

**Campus:** Tempe

**Program Description:**

The BA in art with a concentration in art studies is a multidisciplinary program with a broad educational foundation in the arts and General Studies and a curriculum unparalleled in its scope of course offerings from across the university.

This concentration offers students a great deal of flexibility in planning coursework. Students, in consultation with faculty advisors, can design a course of study focused on their individual aspirations. This uniquely open degree program features coursework in art history, studio art, and a range of arts-related topics, including performing arts and the history of performance, and such fields as African and African American studies, American Indian studies, history, languages and literature, and women's studies.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen may apply directly to the art studies program; there is no portfolio review for this major.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTSTDBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This program prepares students to initiate creative careers as visual artists or as professionals in the public and private spheres. The wide range of options include independent artist, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college professor, community-based artist (in health care settings, nonprofit agencies, and local and national public arts) and many others. Career opportunities are also available with employers who seek graduates with a well-rounded humanities education.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/art-studies>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

## Art (Ceramics), BFA (FAARTCBFA)

**Campus:** Tempe

**Program Description:**

The BFA program in art with a concentration in ceramics provides a stimulating and challenging environment for artistic and intellectual growth. With the realization that discipline, familiarity with historical precedents and freedom go hand in hand with creative activities, the ceramics program strikes a balance between the acquisition of traditional skills and the promotion of independence and innovation. Responsibility is placed on the individual student to find personally meaningful content and an effective means to express that content within the ceramic arts.

The ceramics program features a complete and varied line of kilns, wheels and other equipment. Faculty members ensure that students learn the techniques and concepts that enable them to take their work in any direction they wish. A guest artist schedule enhances the program as does the Ceramics Research Center at the ASU Art Museum, which has a collection of more than 3,000 pieces and provides unparalleled opportunities to study and research the ceramic arts.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Students are admitted directly to the ceramics concentration upon admittance to the BFA program in art.

**Transfer Admission Requirements:**

Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the ceramics concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance

standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTCBFA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the undergraduate and graduate programs work as artists in the field, selling their works through commercial galleries, commissions and to private collectors. Some artists work as designers and consultants to the commercial ceramic industry; others set up their own businesses, producing handcrafted functional ware, architectural tiles and one-of-a-kind works.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art

<https://art.asu.edu/degree-programs/ceramics?dept=160346&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Art (Digital Photography), BFA (HIARTDPBFA)

**Campus:** Online

**Program Description:**

The BFA program in art in with a concentration in digital photography at ASU is the first fully online studio practice-based degree program from a comprehensive research university or fine art college in the United States.

Working with a faculty of professional artists, students have the opportunity to master technical, aesthetic and conceptual aspects of digital photography. Not bound by traditional schedules or the limitations of location, this program's flexibility creates a unique community of faculty and students and provides studio-practice art education to a wide and diverse population.

Students should visit ASU Online to learn more.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)



**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/art-digital-photography-bfa/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIARTDPBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career possibilities for students with a degree in this concentration include:

- client-based and editorial photography
- documentary photography
- fine art photography
- journalism
- photo book publishing
- photo criticism
- photo editing for web
- photo web design
- photographic post-production (retouching)
- video and photo production.
- visual literacy education

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu>  
ART 102  
[soadmin@asu.edu](mailto:soadmin@asu.edu)  
480-965-8521

## Art (Drawing), BFA (FAARTDBFA)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Students interested in drawing should apply to the painting and drawing concentration (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/HIARTPDBFA/undergrad/false>).

**Program Description:**

The BFA program in art with a concentration in drawing offers a dynamic environment for creative, intellectual and technical growth that leads to quality art practice and professionalism.

The program encourages a wide spectrum of innovative approaches to contemporary drawing. Working from a variety of sources and subjects, students develop technical proficiency experimenting with a wide range of materials and processes. In addition, students develop the ability to critically assess imagery through written and verbal analysis. In their final year, students create a body of work with an individualized approach to form and content, culminating in a senior exhibition.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their BFA concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

or MAT 119 Finite Mathematics  
**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students are admitted directly to the drawing concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students are admitted directly to the drawing concentration upon admittance to the BFA program in art.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTDBFA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This program prepares students to initiate creative careers as visual artists and as professionals in the public and private sphere. Career opportunities depend on focused concentrations within the area and additional education or training per industry standards.

Professions are varied; some examples include independent artist, illustrator, mural painter, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college professor, and community-based artist (venues might include health care settings, nonprofit agencies, and local and national public arts).

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/degree-programs/drawing-painting?dept=160342&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Art (Intermedia), BFA (FAARTIBFA)

**Campus:** Tempe

### Program Description:

Students of the intermedia art concentration study traditional and emerging forms and orientations, including performance, installation, 3D fabrication, digital sculpture, public and place-based art, digital animation and experimental and documentary video.

Faculty also teach special topics, including the recent studio seminars on walking as art practice and the engagement of women in the field of art and technology. Intermedia faculty nurture students' talents and provide them with the skills they need to capture creative and professional opportunities, exhibitions, grants, commissions, residencies and employment as educators, curators and media and arts professionals across an array of established and emerging fields.

Students declare their BFA concentration at the time of their ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students are admitted directly to the intermedia concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the intermedia concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTIBFA~null + &college=CHI>) to outline a list of recommended courses

to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Career opportunities depend on the emphasis selected. Possibilities include:

- computer graphics and animation
- community-based artist (in schools, health care settings, nonprofit agencies)
- event production and cultural production
- positions in the music or entertainment industry
- video production and post-production
- web-based entertainment, education and communication

Professions may include:

- animator
- art director and set designer
- audio and video equipment technician
- commercial and industrial designer
- elementary or secondary school teacher
- independent artist
- marketing and public relations director
- media consultant
- museum and gallery curator, staff, director or art dealer
- performer
- professor
- video and media producer or designer
- video game designer

#### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/degree-programs/intermedia?dept=160348&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## **Art (Museum Studies), BA (FAARTMSBA)**

**Campus:** Tempe, Online

#### **Program Description:**

A global perspective and social justice are at the core of the BA program in museum studies at ASU.

The courses focus on the most prescient international themes and issues at the forefront of contemporary museum and heritage studies. These include various ethical and legal issues, such as decolonization and repatriation claims; the impact of Black Lives Matter and COVID-19 on the cultural sector; activist curating; the role that institutions can play in fighting climate change; and the impact of tourism on heritage sites; among other current topics.

In order to reflect the breadth of the sector, the museum studies degree students select their own concentrations, in consultation with their advisor, in areas such as art history, anthropology, history, liberal studies, education, global studies, justice studies, parks and recreation, and other approved subjects. These courses offer a range of learning opportunities led by scholars and museum practitioners from across the ASU campus. Optional internships enable students to work directly with working arts professionals in their field of interest.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/art-museum-studies-ba/>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTMSBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Upon completion, students are prepared to seek an entry-level position in the museum sector or to matriculate in a Master of Arts program in museum and heritage studies. Graduates with a bachelor's degree in museum studies find employment opportunities in museums, galleries, archives, historical societies, national parks and other nonprofit organizations.

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/degree-programs/art-history-museum-studies?dept=160344&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

**Art (Painting and Drawing), BFA (HIARTPDBFA)**

**Campus:** Tempe

**Program Description:**

The BFA program in art with a concentration in painting and drawing offers a dynamic environment for creative, intellectual and technical growth that leads students to a quality studio art practice and a professional career in painting and drawing. The program's curriculum encourages a wide spectrum of innovative approaches to contemporary painting and drawing.

Working from a variety of sources and subjects, students develop technical proficiency through experimentation with a wide range of materials and processes. In addition, students develop the ability to critically assess imagery through written and verbal analysis. Through concentration courses, and especially preparation for their senior exhibition, graduates leave the program with a body of work created with an individualized approach to form and content.

Students declare their Bachelor of Fine Arts concentration at the time of ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIARTPDBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This program prepares students to initiate creative careers as visual artists and as professionals in the public and private sphere. Career opportunities depend on focus areas and additional education or training per industry standards.

Professions are varied; some examples include independent artist, illustrator, mural painter, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college instructor, and community-based artist (venues might include health care settings, nonprofit agencies, local or national public arts).

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## **Art (Painting), BFA (FAARTPABFA)**

**Campus:** Tempe

ASU is no longer accepting new students to this program. Students interested in painting should apply to the painting and drawing concentration (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/HIARTPDBFA/undergrad/false>).

**Program Description:**

The BFA program in art with a concentration in painting offers a dynamic environment for creative, intellectual and technical growth that leads to quality art practice and professionalism.

The program encourages a wide spectrum of innovative approaches to contemporary painting. Working from a variety of sources and subjects, students develop technical proficiency experimenting with a wide range of materials and processes. In addition, students develop the ability to critically assess imagery through written and verbal analysis. In their final year, students create a body of work with an individualized approach to form and content, culminating in a senior exhibition.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if a student wishes to change their Bachelor of Fine Arts concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students are admitted directly to the painting concentration upon admittance to the BFA program in art.

**Transfer Admission Requirements:**

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students are admitted directly to the painting concentration upon admittance to the BFA program in art.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTPABFA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This program prepares students to initiate creative careers as visual artists and as professionals in the public and private sphere. Career opportunities depend on focused concentrations within the area and additional education or training per industry standards. Professions could include independent artist, illustrator, mural painter, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college professor, or community-based artist in health care settings, nonprofit agencies, and local and national public arts organizations, among others.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art

<https://art.asu.edu/degree-programs/drawing-painting/?dept=160342&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Art (Photography), BFA (FAARTPHBFA)

**Campus:** Tempe

**Program Description:**

Students in the BFA program in art with a concentration in photography are offered an education in the creation and analysis of photographs as a form of creative expression.

Students work in a wide range of photographic media including specialized 19th-century processes, traditional black-and-white and state-of-the-art digital output.

The internationally recognized photography faculty at ASU are diverse, representing and encouraging a wide range of approaches to the creation of photo-based art. Students learn to be self-disciplined and self-directed, to understand complex ideas around how images function in their work, and to develop a strong sense and control of the craft of photography. The Northlight Gallery engages students and provides opportunities to learn about gallery and museum practice through the mounting of exhibitions and working with artists and the collection.

A portfolio submission is required for a Bachelor of Fine Arts with a concentration in photography. Students are not able to register for upper-division photography courses until their portfolio has been submitted and reviewed, which is typically submitted during the second year of study. To be eligible to submit their portfolio, a student must have completed either ART 204 or ART 205 (transfer credit is applicable). Students must submit the online application Google form and a digital portfolio by the posted deadline. There is a fall and spring portfolio review opportunity.

Portfolio details: It is to consist of 10 to 15 student-edited jpegs (72 dpi 1200 pixels on the longest side) sequenced in a Google Slides presentation titled with the student's name. A student who has completed ART 204 should submit scans of silver gelatin black-and-white prints. Students are welcome to include text; the text should not cover the images unless the text is part of the artwork. There are to be no empty text frames on the slides.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)



Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

There is no portfolio review process for admission to the School of Art. Usually in their second semester, after completing either ART 204 Photography II: Black & White or ART 205 Photography II: Color, photography majors submit a portfolio to continue in the degree program.

**Transfer Admission Requirements:**

To complete an undergraduate degree in four years, it is recommended that community college transfer students complete the foundational core and pre-art requirements. There is no portfolio review process for admission to the School of Art. If a transfer student has completed a course equivalent to either ART 204 Photography II: Black & White or ART 205 Photography II: Color, they may submit a portfolio in their first semester at ASU to continue in the degree program.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTPHBFA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A degree in the arts offers students a pathway to a rich and varied choice of careers. Students with a photography degree may work as independent studio photographers or contract for commercial work for firms, museums, galleries, individuals and other artists. Though this is not a commercial degree program, some students apply their skills post-graduation by doing product photography, portraits or event photography. Students have also started their own successful art galleries.

Photo skills hone a particular sensitivity to issues of representation and a heightened sense of time, among many other life-enhancing attributes. These critical and creative sensitivities can be brought to bear in life after graduation whatever career path a student chooses. The bachelor's degree is essential for advanced study leading to the terminal MFA. This advanced degree offers opportunities in:

- curatorial work in galleries, museums and historical collections
- history or studio areas
- nonprofit arts organization management
- university teaching

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art  
<https://art.asu.edu/degree-programs/photography?dept=160349&id=1>  
ART 102  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-8521

**Art (Printmaking), BFA (FAARTPMBFA)**

**Campus:** Tempe

**Program Description:**

The BFA in art with a concentration in printmaking provides a complete studio experience with regular courses in book arts, digital processes, intaglio, lithography, papermaking, photogravure, relief, screenprint and other graphic applications.

Faculty teach in spacious, well-equipped studios that offer a complete range of print media. While individual students are encouraged to pursue a personal direction, the faculty encourage students to become well-rounded printmakers by experiencing and understanding many media processes and approaches. No style, technique or aesthetic approach is stressed over another, so the individual quality of each student's work is the essential measure of achievement. Collaboration, experimentation and transdisciplinary approaches to making art are encouraged, and students often work with other areas in the School of Art, such as photography, intermedia, painting, drawing and sculpture.

Students declare their Bachelor of Fine Arts concentration at the time of ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y**Second Language Requirement:** N**First Required Math Course:** MAT 142 - College Mathematics**Program Math Intensity:** General**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)Transfer (<https://admission.asu.edu/transfer/apply>)International (<https://admission.asu.edu/international/undergrad-student>)Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students are admitted directly to the printmaking concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the printmaking concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTPMBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Trained printmakers are working artists, practicing the expression of a personal understanding of their place in the world. They may find employment as artists or printmakers in schools of all levels teaching the execution and appreciation of visual art. They also work in fine art print

studios, executing original prints for other artists. Printmaking skills such as screenprinting or photomechanical and digital techniques, acquired for the production of art, also have commercial, non-art applications that may afford skilled employment. Artists with printmaking skills may also work with graphic designs, illustrations and signage or may work in museums, conservation, publishing, galleries and in other art-related activities. Additionally, their art may sell successfully in the open marketplace.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Art

<https://art.asu.edu/degree-programs/printmaking?dept=160350&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Art (Sculpture), BFA (FAARTSBFA)

**Campus:** Tempe

**Program Description:**

The BFA in art with a concentration in sculpture recognizes the broad, transdisciplinary nature of sculpture today. A wide range of media now falls within an expanded definition of sculpture.

Coursework covers public and site-specific sculpture, foundry, interactive and electronic sculpture, neon, small metals, wood, and video and sound installation. Students learn to put today's creations in the context of the history of sculpture and the larger field of contemporary art. Critical inquiry is augmented by courses in the art history program. Visiting artists, curators and critics share their experience directly with students.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their Bachelor of Fine Arts concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students are admitted directly to the sculpture concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:

Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the sculpture concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum

cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTSBFA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates are prepared to embark on a lifetime exploration of the many aspects of 3D art. Positions are available in:

- 3D design
- fabrication and design of exhibitions
- set design
- teaching
- the motion picture industry
- welding and foundry technician work

Through one-on-one mentoring, students learn to win commissions and awards, hold exhibitions, and obtain residencies and jobs as studio artists, public artists, fabricators, project managers, teachers and arts administrators.

Many students also prefer to establish their own studios after graduation.

#### **Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/degree-programs/sculpture-metals-woods?dept=160351&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## **Art (Textiles), BFA (FAARTFBFA)**

**Campus:** Tempe

#### **Program Description:**

The BFA program in art with a concentration in textiles cultivates an environment that stimulates creative and intellectual growth.

Coursework ranges from the spinning and processing of raw fiber to digital textile printing. With focus on techniques such as weaving, dyeing, textile printing and fiber sculpture, students are encouraged to discover their individual artistic voice. Throughout the program, students are challenged to follow and interpret textile traditions while considering innovative and interdisciplinary approaches to contemporary practices.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

First-year students are admitted directly to the textiles concentration upon admittance to the BFA program in art.

**Transfer Admission Requirements:**

Transfer students must have completed the foundational core and pre-art requirements before admittance to the textiles concentration. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU ([https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTFBFA-null + &college=CHI](https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTFBFA-null+%26college=CHI)) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates leave the program, with the technical skills they gained, prepared to pursue a diverse range of professional careers reflecting the breadth of the textiles field. Some have established careers in design, in settings as varied as working in industry creating commercial items to setting up boutique studios for the creation of one-of-a-kind fabrics for garments and interiors. Others have chosen to pursue graduate degrees in art or design or in fields adjacent to textiles such as business or technology. Graduates continue to develop their art practice once leaving ASU, with outcomes that range from continued personal explorations to professional gallery exhibitions.

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/degree-programs/textiles?dept=160347&id=1>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Arts (BA in the Arts), BA (FAATSBA)

**Campus:** Tempe

**Program Description:**

The BA in the arts is an interdisciplinary degree program designed for students who are passionate about the arts and interested in exploring multiple arts disciplines.

Students gain an increased understanding of the theoretical, historical and cultural forces that shape the arts and design. Students pursue open-ended paths to explore and develop a range of skills suitable for advanced study in multiple areas.

The major includes a common core for all students, and students may choose a focus from arts administration or entertainment design or they may design an individualized focus that is subject to approval by the institute's standards committee and the dean's office.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAATSBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

As the population in the state of Arizona grows, numerous arts organizations are being developed to provide cultural and artistic experiences for the state's residents. These organizations need and demand individuals who understand the impact the arts have on society and who can be passionate employees committed to the arts. This program provides the necessary skill set, including critical thinking, for such careers as:

- arts administrators
- arts critics
- entertainment designers
- media arts authors and publishers
- museum curators and directors
- public art specialists

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
Dean, Herberger Institute for Design and the Arts  
<https://art.asu.edu/degree-programs/undergraduate>  
CDS 101  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-4495

## **Dance, BFA (FADANBFA)**

**Campus:** Tempe

#### **Program Description:**

The School of Music, Dance and Theatre provides an inclusive, dynamic and culturally diverse learning environment in which students develop as

creative artists, scholars and educators. The BFA program in dance offers an engaging curriculum that emphasizes collaboration and a holistic approach to movement and education. The program encourages artists of the 21st century to develop multiple skills for success in the arts and its related fields.

The core values of the program include creativity, inquiry and humanity. To bridge knowledge and community and to gain understanding of dance as inquiry, these values are embedded in a broad range of academic experiences and exploratory processes. The dance program includes coursework in creative practices (the study of the creative process and dance-making using improvisation, choreography and interdisciplinary approaches); dance and digital arts; dance history, ethnography and philosophy; movement practices (the study of the theory, history and technique of a range of dance forms and mind-body practices, including Afro-Latin movement, contemporary ballet, Hip Hop practices, postmodern contemporary dance and somatic practices); and seminars.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must successfully complete an interview and audition before enrolling in the dance major. If a student passes the interview, the School of Music, Dance and Theatre will change the student's major to the BFA in dance. In the event the student is admitted to ASU but not selected as a dance major or misses the interview application deadline, the student enters ASU as a dance interview student and must successfully pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days take place in November and February of each year. To ensure a smooth curricular progression, all prospective dance students, including transfer students, are strongly encouraged to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at <https://musicdancetheatre.asu.edu/degree-programs/dance/undergraduate> (<https://musicdancetheatre.asu.edu/degree-programs/dance/undergraduate>).

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply>) for more details on Dance Interview Day requirements and deadlines.

**Transfer Admission Requirements:**

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply>) for more details on Dance Interview Day requirements and deadlines.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FADANBFA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The comprehensive academic foundation of the Bachelor of Fine Arts program in dance prepares students to be leading dance professionals of the 21st century. Graduates of the program have the expertise to pursue professions as choreographers, performers, educators, community artists, scholars and much more. After leaving ASU, many graduates participate in activities like:

- conducting academic research
- curating or producing dance festivals and events
- directing or managing performing art companies, studios or dance-related organizations
- facilitating community partnerships and projects
- producing dance media for performance or instruction
- pursuing certification in somatic practices (Laban Movement Analysis, Feldenkrais, Alexander Technique, Body-Mind Centering, etc.)
- teaching and designing curriculum
- working as a dance critic
- working in technical theatre and dance production
- working in the areas of health and wellness (fitness, yoga, massage therapy, etc.)
- working in the field of arts management and administration
- writing for scholarly publications

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/dance-bfa>  
GHALL 240  
[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)  
480-965-4206

## **Dance (Dance Education), BFA (FADANEBA)**

**Campus:** Tempe

#### **Program Description:**

The BFA in dance with a concentration in dance education prepares students for certification to teach dance in K-12 schools in the state of Arizona as well as for certification in other states through a multi-state reciprocity agreement. For information on whether the degree requirements would meet the eligibility requirements for licensure in other states and territories, students should visit <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>).

The School of Music, Dance and Theatre provides a dynamic and culturally diverse learning environment in which students develop as creative artists, scholars and educators. Studies in dance cultures, music, digital media, dance history, philosophy and criticism, movement science, somatics, and stage and screen production enhance the rich educational setting. Creativity and research, the core program values, help to bridge knowledge and community and are embedded in a broad range of academic experiences emphasizing movement and creative practices, artistic process, leadership and pedagogy.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must



successfully complete an interview and audition before enrolling in the dance major. If a student passes the interview, the School of Music, Dance and Theatre changes the student's major to the BFA in dance. In the event that the student is admitted to ASU but not selected as a dance major or misses the interview application deadline, the student enters ASU as a dance interview student and must successfully pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days take place in November and February of each year. To ensure a smooth curricular progression, all prospective dance students, including transfer students, are strongly encouraged to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at <https://musicdancetheatre.asu.edu/degree-programs/dance/undergraduate> (<https://musicdancetheatre.asu.edu/degree-programs/dance/undergraduate>).

**Application Deadlines:** Students should visit <https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply>) for more details on Dance Interview Day requirements and deadlines.

**Transfer Admission Requirements:**

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Application Deadlines:** Students should visit <https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply>) for more details on Dance Interview Day requirements and deadlines.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FADANEBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The concentration in dance education lays the foundation for a career in teaching in public and private settings. Students earn an Arizona teaching certification while pursuing the dance education degree and they can expect to find employment in one of many thriving middle school and high school dance programs throughout the state, community settings or dance studios.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/dance-dance-education-bfa>  
GHALL 240  
mdtadmissions@asu.edu  
480-965-4206

## Design Studies, BA (ARDSNBA)

**Campus:**

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The BA program in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU

Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

This is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories: communication for design, design history and general design.

It provides a design education, general and specific, for students who seek opportunities in the broader design sector or in graduate education.

Students may undertake the program in one of two specific concentrations: design studies, which allows students to discover myriad possibilities of design as a subject area as well as the flexibility that it provides for further exploration; or design management, which offers a selection of courses in management and human communication that complement design.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARDSNBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Although a specific career path is not the principal intention, graduates of the program have become involved in sales and marketing in the design sector; others have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

**Contact Information:**

Design and the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

<https://design.asu.edu/degree-programs>

CDS 101

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Design Studies (Design Management), BA (ARDSNMBA)

**Campus:**

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The BA in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories: communication for design, design history and general design.

It provides a design education, general and specific, for students who seek opportunities in the broader design sector or in graduate education.

The concentration in design management offers a selection of courses in management and human communication that complement design and allows for more focused study in these areas.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARDSNMBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Although a specific career path is not the principal intention, graduates of the program have become involved in sales and marketing in the design sector; others have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

**Contact Information:**

Design and the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

<https://design.asu.edu/degree-programs>

CDS 101

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

**Digital Culture, BA (HIDGCBA)**

**Campus:** Tempe, Online

**Program Description:**

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

This program is also offered as an accelerated degree with an MA in creative enterprise and cultural leadership. More information can be found on the Creative Enterprise and Cultural Leadership website: <https://herbergerinstitute.asu.edu/degree-programs/creative-enterprise-and-cultural-leadership/about?dept=1400&id=1> (<https://herbergerinstitute.asu.edu/degree-programs/creative-enterprise-and-cultural-leadership/about?dept=1400&id=1>).

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with techno fluency --- its development, application, and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/digital-culture-BA/>)

#### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All know techniques to change the world through communication using contemporary computational media, a vital power in the 21st century. Some graduates go on to invent fresh techniques.

Career opportunities include the following fields:

- audio
- comparative literature
- computing
- creative writing
- technical writing
- technology
- visual media

Digital culture alumni have obtained careers as:

- 3D modelers
- designers
- engineers
- graphic designers
- programmers
- software specialists
- special effects artists
- visual media artists

**Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF-B 217  
digitalculture@asu.edu  
480-965-9438

## Digital Culture (Art), BA (HIDGCABA)

**Campus:** Tempe

**Program Description:**

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in digital culture equips students with the knowledge, abilities and technical skills they need for creating computational media. Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

The program is for students wishing to specialize in visual composition aspects of new media. Students complement their knowledge of digital culture with discipline-specific courses in the School of Art focused on the historical and theoretical aspects of visual arts, foundational visual arts skills and hands-on knowledge of visual composition through digital means.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All graduates know techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCABA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education are well prepared to apply for admission to the graduate programs through the School of Arts, Media and Engineering at ASU and other top interdisciplinary new media programs in the nation.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu>  
STAUF-B 217  
digitalculture@asu.edu  
480-965-9438

## **Digital Culture (Arts and Design Studies), BA (HIDCADSBA)**

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

#### **Program Description:**

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All graduates know techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

## Digital Culture - Arts and Design Studies Concentration

The digital culture program with a concentration in arts and design studies is for students wishing to integrate transdisciplinary studies in design and the arts into new media applications.

Students complement their knowledge of new media with broad-based transdisciplinary studies in design and the arts.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDCADSBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration

- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design and the Arts, Herberger Institute for  
 Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
 STAUF B 217  
 digitalculture@asu.edu  
 480-965-9438

**Digital Culture (Design), BA (HIDGCDBA)**

**Campus:** Tempe

**Program Description:**

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in digital culture equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

Digital Culture - Design Concentration

The digital culture program with a concentration in design allows students to specialize in hybrid (physical and digital) product and space design. Students complement their knowledge with an understanding of the principles of space and product design as well as the historical and theoretical aspects of design, and they develop integrative design approaches to the digital and physical elements of hybrid products and spaces.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCDBA~null + &college=CHI>) to outline a list of recommended courses to



take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education are well prepared to apply for admission to the graduate programs through the School of Arts, Media and Engineering at ASU and to other top interdisciplinary new media programs in the nation.

Digital culture alumni have received job opportunities in the following fields:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/>  
STAUF-B 217  
digitalculture@asu.edu  
480-965-9438

## **Digital Culture (English), BA (HIDGCENBA)**

**Campus:** Tempe

#### **Program Description:**

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in digital culture equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world

and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

#### Digital Culture - English Concentration

The digital culture program with a concentration in English is designed for students who wish to explore the historical, scientific and theoretical intersections of art, media and technology. Sharing of stories and media through electronic communities, participatory art-making and creativity forums on the web, gaming, digital movies and effects, mediated public spaces and electronic design are only a few of the new activities that are defining and evolving culture. Students in the major assist in the establishment, evolution and proliferation of such culture at the state, national and international level. Students use tools of inquiry to examine, analyze and create works of art through a hands-on approach to communication, writing, rhetoric and literacies in collaboration with the English department.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCENBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Career opportunities include fields in which the following are sought: technology commentary, future studies, design fiction, technical writing, creative writing, comparative literature and fields in which collaboration is needed.

#### Contact Information:

Design and the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>

STAUF-B 217

[digitalculture@asu.edu](mailto:digitalculture@asu.edu)

480-965-9438

## Digital Culture (Film), BA (HIDGCFBA)

**Campus:** Tempe

#### Program Description:

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in digital culture equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and reasoned judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

Digital culture --- film concentration

The digital culture program with a concentration in film is for students wishing to integrate digital aspects of film into new media. Students complement their knowledge of digital culture with discipline-specific courses in the Sidney Poitier New American Film School that focus on the foundations of filmmaking practices, historical and theoretical aspects of film, knowledge of the film industry and hands-on knowledge of digital processes in filmmaking.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCFBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media, involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
STAUF-B 217  
digitalculture@asu.edu  
480-965-9438

## Digital Culture (Graphic Information Technology), BA (HIDGCTEBA)

**Campus:** Tempe

**Program Description:**

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in digital culture equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; to breathe behavior into media, objects or systems by programming; and to think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

Digital Culture - Graphic Information Technology concentration

This digital culture program with a concentration in graphic information technology is offered in partnership with the Ira A. Fulton Schools of Engineering. Students complement their knowledge of new media with technology and new media entrepreneurship skills, knowledge of legal and ethical issues for technology, and additional skills in graphic communication, digital illustration and design methodology.

Students should be advised that while most requirements can be completed at the Tempe campus, courses specific to this concentration take place on the Polytechnic campus.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCTEBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the digital culture program have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top transdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
STAUF-B 217  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-9438

## Digital Culture (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)

**Campus:** Tempe

**Program Description:**

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with techno fluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens

who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in digital culture equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic era.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

Digital Culture - Interdisciplinary Arts and Performance concentration

This digital culture program in interdisciplinary arts and performance is offered in partnership with the New College of Interdisciplinary Arts and Sciences. The program focuses on a transdisciplinary and collaborative approach to the arts, technology and performance. It emphasizes the traditions of transdisciplinary, avant-garde and experimental arts and on contemporary art and performance. Courses include digital media arts, music and electronic sound art, performance studies, theatre and performance practice and digital graphics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDCIAPBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the digital culture program have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
STAUF-B 217  
digitalculture@asu.edu  
480-965-9438

## Digital Culture (Media Processing), BA (HIDGCMPS)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Students interested in a media processing concentration should apply to the BS in digital culture (media processing) (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/HIDGCMPS/undergrad/false>).

**Program Description:**

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques. Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media.

Digital Culture - Media Processing concentration

This digital culture program with a concentration in media processing is offered in partnership with the Ira A. Fulton Schools of Engineering. The program is designed for students who desire to specialize in media processing aspects of new media. Students complement their knowledge with a more advanced understanding of programming, data structures, signals processing and system architecture aspects of new media.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCMPPBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the digital culture program have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
STAUF B 217  
digitalculture@asu.edu  
480-965-9438

## Digital Culture (Media Processing), BS (HIDGCMPPBS)

**Campus:** Tempe

**Program Description:**

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BS program in digital culture with a concentration in media processing is for students wishing to specialize in media processing aspects of new media.



This program teaches students to understand the transformative role of digital technology in cultural practice, society and day-to-day life, emphasizing the strongest emerging trends in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. Students in the Bachelor of Science program complement the knowledge acquired through digital culture coursework with a more advanced understanding of the programming, data structures, signals processing and system architecture aspects of new media.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

Students must have a GPA of 3.00 to transfer into the digital culture program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCMPBS~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities include positions in the following fields: graphic design, design, audio, visual media, computer science, technology, technical writing, creative writing and comparative literature.

Digital Culture alumni have obtained careers as: graphic designers, 3D modelers, special effects artists, visual media artists, programmers, engineers and software specialists with Apple, Microsoft, CISCO, Industrial Light and Sound, PIXAR and other techno-centric companies.

**Contact Information:**

Design and the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<https://artsmediaengineering.asu.edu/>

STAUF-B 217

[digitalculture@asu.edu](mailto:digitalculture@asu.edu)

480-965-9438

## Digital Culture (Music), BA (HIDGCMBA)

**Campus:** Tempe

**Program Description:**

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in digital culture equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and reasoned judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

#### Digital Culture - Music Concentration

In the digital culture program with a concentration in music, students complement their knowledge of digital culture with discipline-specific courses in the School of Music. These courses focus on understanding the foundations and historical and theoretical structures of commercial and popular music and the principles of electronic music composition and digital sound.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCMBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Graduates of digital culture have a wide array of career opportunities in new media to choose from, in fields such as:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**

Design and the Arts, Herberger Institute for  
 Arts, Media and Engineering Sch T  
<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>  
 STAUF-B 217  
 digitalculture@asu.edu  
 480-965-9438

**Digital Culture (Theatre), BA (HIDGCTBA)**

**Campus:** Tempe

**Program Description:**

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in digital culture equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media and computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and to think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

Digital culture --- theatre concentration

The digital culture program in theatre is for students who desire to integrate principles of design and production with digital culture. Students complement their knowledge of digital culture with discipline-specific courses in the School of Music, Dance and Theatre that focus on understanding the fundamentals and principles of theatre design, including scene, lighting, sound, costume and multimedia design, while developing art and technical direction and digital design skills.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCTBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of digital culture have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in the following fields:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

#### **Contact Information:**

Design and the Arts, Herberger Institute for  
Arts, Media and Engineering Sch T

<https://artsmediaengineering.asu.edu/degree-programs/digital-culture>

STAUF-B 217

[digitalculture@asu.edu](mailto:digitalculture@asu.edu)

480-965-9438

## **Environmental Design, BS (HIEDSBS)**

**Campus:** Tempe

#### **Program Description:**

The BS program in environmental design has an integrated curriculum offered primarily in a nonstudio format. The program is designed to create a deep awareness and knowledge of issues that influence the design of built environments and the design of artifacts in general.

The program of study emphasizes general knowledge and design research as well as focus areas. Focus areas include histories and theories of design; innovation, technology and design strategies; and sustainability in environmental design. The curriculum provides special understanding of theories, technologies, social issues and management aspects related to the student's chosen focus area. While studio courses cannot be taken as

electives, students take career-specific design electives and the program prepares students for all graduate programs in The Design School.

This program is not a professional degree program but provides a broad base of skills and knowledge in environmental design.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIEDSBS-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program may take on roles in offices, businesses, public institutions and industries that require an awareness of issues that affect environmental design. Additionally, graduates may choose to apply to graduate programs in related disciplines to pursue professional or other graduate degrees.

**Contact Information:**

Design and the Arts, Herberger Institute for

The Design School

<https://design.asu.edu>

CDN 162

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Fashion, BA (HIFSHBA)

**Campus:** Downtown Phoenix

**Program Description:**

The BA in fashion at ASU is a transdisciplinary program that provides students with a foundation that enables them to work across many segments in the fashion industry.

The fashion program at ASU combines history, business practices and hands-on studio experience to prepare students for a variety of roles in this global industry. Gaining a proficiency in illustration skills, fluency with materials, traditional techniques and digital technologies, students are prepared for interdisciplinary collaborations through coursework across marketing and merchandising, wearable technology, sustainability, management and leadership, international experience, and fashion and culture. In the capstone experience, students develop a substantial project within an area of focus. Opportunities for internships and study abroad further advance students' professional goals.

Through the leadership of well-known industry professionals, students with the bachelor's degree in fashion are connected globally to leaders in the industry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIFSHBA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to enter the fashion industry in any of a number of roles. Some examples are:

- curator
- fabric designer
- fashion business analyst
- fashion designer
- marketing researcher
- merchandise display and window designer
- supply chain manager
- textile and apparel production manager

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Art

<https://art.asu.edu/>

ART 102

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-8521

## Film (Film and Media Production), BA (FAFLMBA)

**Campus:** Tempe

**Program Description:**

By bringing their own unique stories to life, students pursuing a degree in film and media production develop a comprehensive and practical knowledge of digital media production, an awareness of the impact of media and entertainment on audiences and culture, and an understanding of the role of the artist in society.

Students in this degree plan have access to digital cameras, lighting and sound equipment, post-production software and facilities, and other resources --- including talented and dedicated peer and faculty colleagues who will give them multiple opportunities to produce projects of exceptional quality.

Students choose one of three upper-division tracks of study: directing, producing and screenwriting, and media technology including cinematography, post-production and sound. Each course of study is supported by the degree-wide emphasis on ethical filmmaking practices, innovative creative expression and preparation for a career as an industry professional.

The program is offered by The Sidney Poitier New American Film School.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

All film students are admitted to ASU into the Bachelor of Arts in film, filmmaking practices concentration. Students who wish to pursue the highly selective, studio-based Bachelor of Arts in film with a concentration in film and media production must complete the 15 hour film core and successfully pass an interview and review of their creative work to enter the concentration. This interview and creative work review generally takes place in the third or fourth term at ASU.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAFLMBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The film and media production degree program provides students with the knowledge and experience to prepare them to enter careers in media and entertainment as:

- cinematographers and camera operators
- directors for motion pictures, television and documentary

- editors and post-production specialists
- producers and production executives
- screenwriters for motion pictures and television
- videographers and digital media content creators

The bachelor's degree program is an excellent broad-based foundation for work in the profession or to prepare students for further training at graduate schools or conservatories.

**Contact Information:**

Design and the Arts, Herberger Institute for  
 The Sidney Poitier New American Film School  
<https://film.asu.edu/>  
 GHALL 232  
 fdt@asu.edu  
 480-965-5337

**Film (Filmmaking Practices), BA (FAFPRBA)**

**Campus:** Tempe, ASU@Los Angeles

**Program Description:**

Students who pursue the BA in film with a concentration in filmmaking practices receive grounding in fundamental production skills; entertainment and media ethics; feature, short and episodic screenwriting; and general film and media industry history and practices.

Students have the option of two tracks of study in the upper division: screenwriting or preprofessional. Students who choose the screenwriting track are required to take multiple writing courses at the intermediate and advanced levels. Students in the preprofessional track chose from among a series of course options in each of these areas: writing, producing, and film and media technology.

Production experience is regularly available through select lower-division courses that provide creative coursework options, the upper-division course FMP 300, and credited opportunities to work on projects produced by students, faculty and The Sidney Poitier New American Film School. All students complete a year-long senior project, initiated and developed by the students and supported with dedicated faculty mentorship, and are supported in their professional goals through the innovative Film Spark program in Santa Monica, Calif.

The Los Angeles location for the BA in film with a concentration in filmmaking practices will accept transfer students with an associate degree in film or media production from select California community colleges for the fall 2022 term.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.



**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAFPRBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The filmmaking practices concentration provides preprofessional students with the knowledge and experience that prepare them for entry-level positions in media and entertainment production; producing; public relations, marketing and management; or to enter advanced graduate-level education. Screenwriting allows students to develop a diverse and unique writing portfolio and an understanding of the creative and professional skills required to establish and maintain a successful career as a writer.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Sidney Poitier New American Film School  
<https://film.asu.edu/>  
GHALL 232  
fdt@asu.edu  
480-965-5337

## Graphic Design, BSD (ARGRABSD)

**Campus:** Tempe, Online

**Program Description:**

The graphic design program in The Design School is committed to excellence in traditional and contemporary graphic design education, professionalism, research, and service for the community at large. Faculty, alumni, students and visiting designers and educators constantly reinforce the link between society and nature and vigorously advocate quality in developing communication strategies.

The BSD curriculum acknowledges the need for creative environments that address ecological concerns and encourages students to develop sustainable transdisciplinary work sensitive to cultural aesthetic. The curriculum develops a strong foundation of design principles through lower-division studio and lecture courses, using this to build an overall understanding of how design can shape perception and meaning using visual media. Upper-division studio courses provide opportunities for students to work in collaborative teams addressing professional projects in information design, interaction design, exhibition design, animation, motion graphics, branding, publication design, web design, interface design and the multiple contemporary facets of sensorial design.

Graphic designers are responsible for designing how information is communicated. Forms of communication include print, video, film and electronic (web). Graphic designers are concerned with appearance, choosing the appropriate mechanism for communication, clarity of information and its effectiveness and how communication is transferred and received.

The BSD program in graphic design places an emphasis on strategic communication developed through a design process that includes research, analysis, conceptualization, planning and realization. The process leads to innovative visual communication design solutions for contemporary design problems that are local to global in scope.

All students who are admitted to the major must pass a degree milestone at the end of the first year to continue in the major. For more information on the milestone process, students should visit <https://design.asu.edu/resources/students/milestones> (<https://design.asu.edu/resources/students/milestones>). This is an eight-semester graphic design program that requires sequential completion of studio coursework or approved equivalent at any point of entry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/graphic-design-major/>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARGRABSD~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Based on a diversified portfolio upon graduation, those who opt for the graphic design profession gain employment in:

- advertising and marketing design
- brand and corporate identity design
- broadcast (TV graphics) design
- interaction and interface design
- museum or exhibition design
- publication design
- visual communication design
- web design

Specific examples of graphic designers' work include:

- annual reports
- books
- environmental graphics
- information design
- motion graphics
- multimedia presentations
- publications
- websites

Graduates may also pursue graduate studies leading to careers in design education and other fields of professional endeavor in design.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School

<https://design.asu.edu/degree-programs>

CDN 162

[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)

480-965-4495

## Industrial Design, BSD (ARINDBSD)

**Campus:** Tempe

**Program Description:**

Industrial designers are responsible for the design of product and service systems that people use in their everyday lives. The BSD in industrial design at ASU focuses on a new model of transdisciplinary product development called integrated innovation. Using this model of innovation, students systematically work through a matrix of four questions:

- What is valuable to users?
- What is possible through engineering?
- What is desirable to business?
- What is good for society and the environment?

Students learn how to create product and service systems that benefit society while minimizing impacts on the environment, that can be realized through appropriate technology and engineering, that create measurable value for business, and which satisfy people's needs.

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information on the milestone process, students should visit <https://design.asu.edu/resources/students/milestones> (<https://design.asu.edu/resources/students/milestones>).

This is an eight-semester program requiring sequential completion of studio coursework or approved equivalent at any point of entry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARINDBSD-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

After completing the program successfully, graduates have the option of working as designers in several capacities:

They may obtain employment as members of in-house design teams at corporations in a variety of industries including, but not limited to:

- consumer goods
- furniture
- health care and medical products
- packaging design
- sports and outdoor goods
- toys
- trade show and exhibit design
- transportation and mobility device design
- user interface design

Graduates may obtain employment with consulting firms that design products and services for a variety of clients. They may obtain employment with nonprofit institutions or nongovernmental organizations addressing specific social or environmental problems. They may pursue entrepreneurship opportunities; some graduates have established their own design and manufacturing ventures. Or, graduates may pursue teaching a variety of courses in art and design schools, colleges or universities, part time or full time.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu/degree-programs>  
CDN 162  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-4495

## Interior Design, BSD (ARINTBSD)

**Campus:** Tempe

**Program Description:**

The BSD program in interior design at The Design School explores how people inhabit, interact with and transform interior environments. Interior designers create environments within buildings that meet the physical and psychological needs of individuals and institutions, providing a useful, rich and rewarding environment for users. Interior design involves the design of space, equipment and furniture. It requires substantial technical and organizational understanding; sensibility to form, lighting, color and texture; and an awareness of design history and theory.

All students admitted to the major must pass a degree milestone at the end of the first year to continue in the major. For more information on the milestone process, students should visit <https://design.asu.edu/resources/students/milestones> (<https://design.asu.edu/resources/students/milestones>). This is an eight-semester program requiring sequential completion of studio coursework or approved equivalent at any point of entry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARINTBSD~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates find employment opportunities with interior design firms, architecture firms or corporations and governmental entities of any size. Firms may specialize in interior design for residential, commercial, retail, hospitality, institutional and health care spaces. Career specialties include historic restoration, branding, sustainability, new product innovation and incorporation of new technology.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu/degree-programs>  
CDN 162  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-4495

## Landscape Architecture, BSLA (ARPLABSLA)

**Campus:** Tempe

**Program Description:**

The BSLA program offers students the opportunity to engage with the community in applied projects that focus on designing sustainable outdoor environments and improving the ecological and social health of the urban environment.

Undergraduate landscape architecture projects can range from large-scale work encompassing urban design, landscape restoration, open space preservation planning, community planning and landscape ecological design to projects at the more intimate scale of a neighborhood park or residential backyard. Emerging areas of focus include creative placemaking; environmental equity, green roofs and living walls; restorative environments; sustainable design; and urban climate design. Students complement their design learning with electives from a broad range of approved courses.

Completion of the Bachelor of Science in landscape architecture ensures graduates have the qualifications to take the Landscape Architect in Training examination leading to registration as a professional landscape architect. As the only undergraduate degree offered at The Design School which leads directly to professional registration and as an entry point to the profession, above average or higher performance is required for success.

Students should see the Bachelor of Science in landscape architecture major map for details on specific courses and semester curricula.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARPLABSLA-null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program is designed to prepare students for landscape architecture professional practice and advanced study at the graduate level. Graduates have found employment in nationally recognized firms working with notable landscape architects in large multinational firms or in public agencies. Alumni have also gone on to pursue advanced study at universities with distinguished graduate programs in landscape architecture and allied design fields.

The U.S. Bureau of Labor Statistics projects employment for landscape architects to grow 4% between 2018 and 2028, about as fast as the average for all occupations. The bureau also notes employers prefer hiring entry-level landscape architects with internship experience to significantly reduce the amount of on-the-job training. The bachelor's degree program has an internship requirement meant to address this preference and better prepare graduates for employment.

**Contact Information:**

Design and the Arts, Herberger Institute for  
The Design School  
<https://design.asu.edu>  
CDN 162  
[herbergeradvising@asu.edu](mailto:herbergeradvising@asu.edu)  
480-965-4495

## Music, BA (FAMUSBA)

**Campus:** Tempe

**Program Description:**

The BA in music provides students with a broadly based liberal arts degree. Students receive a strong foundation in music theory and music history while completing lessons on their major instrument. The curricular core provides students with the opportunity to explore music as human history, cultural artifact and social behavior. Students may combine the degree with another major or minor within ASU.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics  
or MAT 117 College Algebra or MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre  
Academic Catalog Archive 2021-2022

application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major is changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Transfer Admission Requirements:**

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- music criticism and research, ethnomusicology and musicology
- music entrepreneurship, concert management and promotion
- music publishing
- performing in community and professional ensembles in a variety of styles and traditions
- teaching in a private studio or community program

Many graduates pursue a master's degree or a doctorate in music or another professional field.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/music-ba>  
MUSIC E167  
MDTStudents@asu.edu  
480-965-5069

## Music (Music and Culture), BA (HIMUSMCBA)

**Campus:** Tempe

**Program Description:**

The BA program in music with a concentration in music and culture is a broadly based liberal arts degree offering the most elective flexibility of any ASU music major.

The program provides skills applicable to careers in music and many other fields (e.g., librarianship, arts festival management or production, criticism, audience educator, recruitment, artist representation, publishing, creative writing). Students may develop mainstream competencies such as performing or writing about Western European music; conducting; and teaching about music. They may also pursue coursework in popular song writing, beat-making, acoustics, advocacy of wellness through music, dance as musical embodiment and selected musical competencies of Asia, Latin America and other areas.

Students explore music as human history, cultural artifact and social behavior, and engage in interdisciplinary thinking and academic research and writing. Because of the high percentage of elective courses, students may tailor both the General Studies courses and the music electives to suit their career goals.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 117 - College Algebra  
or MAT 119 Finite Mathematics or MAT 142 College Mathematics

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

The following comprise the audition process for admittance to the music and culture concentration:

- Students must submit a writing sample, which will be evaluated by all musicology faculty members.

Students must submit evidence of musicianship broadly defined (basic notational literacy plus live audition on, for example, didgeridoo or gospel-style composition, or documented transdisciplinary installation including music), which will be



evaluated by all musicology faculty.

- Students must attend an interview with at least three musicology faculty members.
- Each student will be matched with a musicology advisor at the time of acceptance. The advisor will assist them in the choice of ensembles (as qualified) and electives to support their programs of study. Students must audition and be accepted into large ensembles following established procedures.
- Students who wish to take studio lessons as part of the degree must audition for the appropriate performance faculty members. Students should follow the BA in music audition requirements.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

#### Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum and to departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

#### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIMUSMCBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

The program prepares students for potential careers in fields that require skilled written communication, the ability to conduct research both in electronic and print media, critical and logical thinking, the dissection of an argument and careful time management.

In addition to the careers listed below, graduates may pursue jobs in music and medical humanities or copyright and entertainment law. Graduates are prepared to work in various professional capacities, including:

- music criticism and research, ethnomusicology and musicology
- music entrepreneurship, concert management and promotion
- music in culture, music blogging
- music publishing, program annotation
- performer in community and professional ensembles in a variety of styles and traditions

- private studio or community program teaching
- music librarian
- music-related fields

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/music/musicology?dept=392823&id=1>

MUSIC E167

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-5069

## Music (Popular Music), BA (HIMUSPMBA)

**Campus:** Downtown Phoenix

**Program Description:**

The popular music concentration within the BA program in music at Arizona State University welcomes and accommodates 21st century musicians interested in popular music, music industry studies and entrepreneurship. This includes but is not limited to singers and songwriters, laptop performers, producers, composers, instrumentalists, vocalists and musicians whose practices and playing styles are representative of varied popular music idioms.

Students in this concentration develop general musicianship and are invited to specialize in areas of study which include songwriting, production, composition, performance, engineering, sound design, events, music business, education and advocacy work. Students participate in individual applied study in chosen specializations, as well as a variety of group performances and production opportunities. All students gain a working knowledge of the music industry and music business, and the entrepreneurial skills necessary to gain meaningful employment upon graduation.

Internships courses provide opportunities for students to apply their learning in a real-life context and begin building relationships. A capstone senior year allows students to work more intimately with faculty on perfecting their craft as well as prepare for the shift from ASU to the industry.

Students attend classes at both the Downtown Phoenix and Tempe campuses.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra or MAT 119 Finite Mathematics or MAT 142 College Mathematics

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Audition Process for admittance to BA in Music (Popular Music) concentration:

Artist Statement:

All auditioning students must submit an artist statement explaining both their current work and vision of their future work in popular music. A minimum of 250 words is required.

Audition:

Live auditions or recorded auditions are required for admission to the BA program in popular music and for placement in MUP 111 Studio Instruction in popular music. A live audition consists of a 15-minute performance or presentation consisting of three to five selections of live or digital music performance. The selections may be original works or selections from popular music repertoire. The audition also includes scales, improvisation and aural skills. Students may also provide a recorded sample of their creative popular music work if they so choose.

For students seeking to pursue popular music performance, a live or recorded performance video is required for at least part of the audition. For

other disciplines in which a video is not possible (studio recording, music creation and composition), students are required to submit a digital audio sound recording of three to five selections.

The audition also includes a live or remote interview. A live audition is preferred. Applicants who are unable to visit the campus for a live audition may upload a recorded audition to the School of Music, Dance and Theatre application. These students will be contacted by faculty to arrange a remote interview.

Students interested in pursuing classical music lessons are required to follow the classical repertoire audition requirements for MUP 111 Studio Instruction in addition to auditioning for MUP 111 Studio Instruction in popular music.

**Transfer Admission Requirements:**

Students transferring from community colleges, other universities or other ASU programs engage in the same audition process as first-year students.

Transfer students are encouraged to audition during the semester before they wish to enroll at ASU. They will also take piano and music theory diagnostic exams at that time to ensure placement in appropriate coursework.

Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A") and may change their major to the BA in music with a concentration in popular music if they successfully complete the audition process required for admittance and are accepted into the degree.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIMUSPMBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Arts in music with a concentration in popular music prepares students for potential careers in the popular music industry that involve creativity and creating new work, being a flexible musician, collaborating with others in the community and having knowledge of music business and music marketing. Possible jobs include:

- concert management and promotion
- entrepreneurship
- music marketing
- music performance in the popular music sector
- music publishing
- nonprofit arts related work
- teaching a private studio
- work in music related fields

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/music/undergraduate>  
MUSIC 167  
mdtadmissions@asu.edu  
480-965-5069

**Campus:** Tempe

**Program Description:**

The BMus program in music learning and teaching is an innovative 120 credit hour degree program designed to prepare students for successful careers as leaders in music learning and teaching in a variety of K-12 school and community settings. Upon completion, students earn a K-12 teaching certification with multi-state reciprocity. More information on licensing is available at <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>).

Coursework and lab participation help students develop strong pedagogical skills and flexible musicianship, and to deepen and broaden their music making in varied styles and contexts, including contemporary digital music making. Students also develop the abilities skills to facilitate peoples' music engagement and learning in varied settings.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major is changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student remains as a music audition major and needs to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSEBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to teach in public and private school music programs that offer a variety of music classes, including general music, choir, band, orchestra, strings, guitar, jazz, music production, music technology and popular music.

Graduates work in various professional or entrepreneurial capacities, including:

- performing in community and professional ensembles in a variety of styles and traditions or as a freelance musician in venues, such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school and community programs, as artist-in-residence
- teaching and directing in a private studio or community programs,
- working in music-related fields such as media production, music business, publishing, marketing and education.

Many graduates pursue a master's degree or a doctorate in music learning and teaching, in music or the arts, or in another professional field.

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/music-learning-and-teaching-bmus>  
MUSIC E167  
MDTAdmissions@asu.edu  
480-965-5069

## Music Therapy, BMUS (FAMUSTHBM)

**Campus:** Tempe

**Program Description:**

The BMus program in music therapy prepares students for a career in health care, community-based and special education settings. Music therapists use carefully planned music interventions to achieve desired changes in a client's individualized behavior and functioning.

Music therapy is a profession in which engagement and receptive or active music-making helps a client achieve individual therapeutic goals. Educating the potential music therapist requires a wide range of musical, verbal and nonverbal skills. Music therapy students have many opportunities to develop their clinical skills. Students also study:

- human anatomy
- musical improvisation
- popular music styles
- psychology
- songwriting
- special education
- world music

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year.

Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major is changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student remains as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSTHBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are eligible to sit for the music therapy certification examination given by the Certification Board for Music Therapists. They should visit this website for information about licensure in Arizona and other states: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>)

Positions are available regionally and nationally in hospitals, schools, rehabilitation centers, nursing homes and other health care facilities. Graduates are prepared to work in the fields of community music therapy and wellness, geriatric care, mental health, physical rehabilitation, special education, or within veteran and military populations.

A music therapy career may also provide an opportunity for private practice with flexible hours.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/music-therapy-bmus>  
MUSIC E167  
MDTAdmissions@asu.edu  
480-965-5069

## Performance (Collaborative Piano), BMUS (FAMUSPPBM)

**Campus:** Tempe

**Program Description:**

The BMus program in performance with a concentration in collaborative piano offers private instruction in solo and collaborative piano, faculty coaching of chamber music and art song repertoire, and ample opportunity for extensive collaborative performance experiences. Collaborative piano students regularly perform with their vocal and instrumental colleagues on concerts at ASU and throughout the valley, including concerts at the Scottsdale Center, the Kerr Cultural Center, Tempe Center for the Arts and the renowned Musical Instrument Museum.

The program focuses on the core repertoire of song, piano chamber music and selected works from opera and musical theater. Collaboration within the School of Music, Dance and Theatre involves all performance areas, including classes and opportunities with the Music Theatre and Opera program, concerts with large ensembles and choirs, duo recitals with instrumental and voice colleagues, and performances of great chamber music literature as part of the Visiting Quartet Residency program.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year.

Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major is changed to music. In the event a student admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Transfer Admission Requirements:**

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPPBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- performing as a choral, collaborative or orchestral pianist or in music theater and opera pit ensembles and chamber music ensembles
- recording and studio work
- teaching in a private studio and community program
- working as a vocal coach or in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**



Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/performance-collaborative-piano-bmus>  
MUSIC E167  
MDTAdmissions@asu.edu  
480-965-5069

## Performance (Guitar), BMUS (FAMUSPGBM)

**Campus:** Tempe

### Program Description:

The BMus in performance with a concentration in guitar is a program that focuses on the study of classical guitar literature and techniques. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue careers as professional musicians. The course of study includes extensive performance experiences.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and

Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year.

Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPGBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- performing as a concert soloist or in chamber music ensembles or as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs or serving on state or community arts councils as artist-in-residence
- recording and studio work
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/performance-guitar-bmus>  
MUSIC E167  
MDTAdmissions@asu.edu  
480-965-5069

## Performance (Jazz), BMUS (FAMUSPJBM)

**Campus:** Tempe

**Program Description:**

The BMus in performance with a concentration in jazz prepares students for professional careers and leadership roles in jazz and related fields of contemporary music by promoting flexible musicianship and an understanding of the jazz tradition.

The curriculum includes course offerings in jazz performance, composition, arranging, history, theory, aural skills and pedagogy and is designed to incentivize artistic expression, innovation, and the exploration of blues-based improvisation, bebop, Latin jazz, swing and soul music.

Students in the ASU jazz studies program find an abundance of performance opportunities in the many university ensembles and professional groups that perform in the greater Phoenix metropolitan area.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPJBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- accompanying
- jazz composing or arranging
- performing as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- recording and studio work
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/performance-jazz-bmus>  
MUSIC E167  
MDTAdmissions@asu.edu  
480-965-5069

**Performance (Keyboard), BMUS (FAMUSPKBM)**

**Campus:** Tempe

**Program Description:**

The BMus in performance with a concentration in keyboard is a program that focuses on the study of literature and techniques of the piano or organ. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Transfer Admission Requirements:**

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPKBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- performing as a concert soloist or in chamber music ensembles
- performing as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs or serving on state or community arts councils as artist-in-residence
- recording and studio work
- teaching privately or in a professional music school, a college or a university program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/performance-keyboard-bmus>  
MUSIC E167  
MDTAdmissions@asu.edu  
480-965-5069

**Performance (Music Theatre), BMUS (FAMUSPMBM)**

**Campus:** Tempe

**Program Description:**

The BMus in performance with a concentration in music theatre is an intensive, performance-oriented program designed to hone all the skills

necessary for the complete musical theatre artist.

Training includes private voice lessons every semester of study as well as specialized instruction in acting, dance, audition techniques, technical production, repertoire classes, scene study and performance. A unique feature of this program includes an innovative sequence of musical theatre performance courses designed to synthesize all the abilities necessary to succeed as a professional musical theatre performer.

ASU is unique in that students may receive professional training in both opera and musical theatre in a broad variety of musical theatre styles, from traditional to contemporary. Two musicals and two operas are produced each year, plus new works and student-led productions. The annual showcase in New York City and Phoenix as well as formal collaborations with Arizona Opera and The Phoenix Theatre Company provide additional performance opportunities and valuable career immersion experiences for all students.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year.

Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Once admitted to both ASU and the School of Music, Dance and Theatre, the applicant's major is changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student remains as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Transfer Admission Requirements:**

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPMBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program is designed for individuals who plan a career as a performing singer and actor or actress in opera, operetta, musicals and other forms of musical theatre. Graduates become conductors, teachers, singers and actors or actresses and are prepared to work in various professional capacities, including performance:

- at universities, colleges and schools
- in major opera houses
- in national touring companies
- on Broadway

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/performance-music-theatre-bmus>  
MUSIC E167  
MDTAdmissions@asu.edu  
480-965-5069

## Performance (Orchestral Instrument), BMUS (FAMUSPOBM)

**Campus:** Tempe

**Program Description:**

The BMus program in performance with a concentration in an orchestral instrument focuses on the study of music literature and techniques on a specific orchestral instrument.

Students receive coaching from world-renowned faculty and visiting guest artists, attend masterclasses, and receive extensive performance experience in large ensembles as a chamber musician and as a soloist.

Students study a specific orchestral instrument intensively with a faculty member for eight semesters including major repertoire, solo literature and chamber music. Training is focused toward preparing students for a career in orchestral or chamber groups, in military bands or as a private lesson instructor. Students learn skills that prepare them for auditions and learn how to network with other musicians, how to market themselves professionally, and how to schedule and organize recitals and performances.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Transfer Admission Requirements:**

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPOBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:



- performing as a concert soloist, as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks, or performing in orchestras, chamber music ensembles, music theatre and opera pit ensembles
- presenting school and community programs
- recording and studio work
- teaching privately or as part of a college or university program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/performance-orchestral-instrument-bmus>

MUSIC E167

MDTAdmissions@asu.edu

480-965-5069

## Performance (Voice), BMUS (FAMUSPVBM)

**Campus:** Tempe

**Program Description:**

The BMus program in performance with a concentration in voice focuses on the study of vocal technique, literature and performance while emphasizing the skills necessary to pursue a career as a professional classical singer. The program provides extensive performance experience and opportunities to explore many different singing styles.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on an audition. Auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event an applicant is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Transfer Admission Requirements:**

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPVBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional and entrepreneurial capacities, including:

- performing as a soloist, stage performer, choral singer or freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs or state or community arts councils as artist-in-residence
- recording and studio work
- teaching in a private studio and community program
- working in music-related fields such as media production, music business, publishing, marketing or arts administration

Many graduates pursue a master's degree or a doctorate in music or another professional field.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/degree-programs/performance-voice-bmus>  
MUSIC E167  
MDTAdmissions@asu.edu  
480-965-5069

## Performance and Movement, BA (HIPERMVBA)

**Campus:** Tempe

**Program Description:**

The BA program in performance and movement is an inclusive, transdisciplinary degree program that encourages students to develop both collaborative approaches to learning and professional industry skills in the performing arts. This program is grounded in cultivating community practice through theatre and dance.

The bachelor's degree program is located within the ecosystem of Phoenix, the sixth largest urban center in the United States, and enables students to understand, deconstruct and uplift diverse artistic modes across media and encourages the student to create a flexible degree program that intersects and engages these areas of interest. This degree program offers a number of focus areas: dance and theatre, social and partnership dance and Hip Hop Arts.

**Dance and theatre** --- The dance and theatre focus area is designed for dancers who seek experience working with theatrical performance and acting, actors and performers who seek to balance text and voice work with movement exploration, and writers and directors who want to explore a wide range of approaches to live performance.

**Social and partnership dance** --- The social and partnership dance focus area is an innovative program that allows students to explore multiple styles and approaches in social and partnership dance both in formal classroom study and informal student-centered community events. The focus area seeks to prepare future Latin social and ballroom dance leaders with pedagogical, performance and community-building strategies to support the need for serving local and national community engagement in social dance as a means to create social transformation and change.

**Hip Hop Arts** --- The Hip Hop focus area is designed for the student interested in melding intersectional embodied practice, social justice and Hip Hop culture by offering a critical look at the historical, social and practical application of Hip Hop scholarship and culture. The program focus spans various forms of Hip Hop artistry and expression through thought-provoking, in-studio courses and hands-on practical application and connects students with scholars and Hip Hop practitioners to embrace the interdisciplinary nature of Hip Hop arts: dance, music, visual and voice.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIPERMVBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree in performance and movement provides an excellent broad-based foundation for work in the arts or entertainment professions and readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis combined with a focus on physical presence prepares graduates for a variety of occupations in both performance and nonperformance fields. Opportunities may include work with:

- arts entrepreneurship
- professional performing
- studio ownership and management
- themed entertainment

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/>  
GHALL 240  
mdtadmissions@asu.edu  
480-965-4206

## Theatre, BA (FATHEBA)

**Campus:** Tempe

### Program Description:

The BA program in theatre provides students with a rigorous academic and hands-on theatre education within the context of a liberal arts degree. The program offers specialty coursework in the following areas:

- design and production
- film
- new work development
- performance
- theatre and performance studies
- theatre for youth and community
- educational certification

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students interested in the BA in theatre or the BA in theatre with a concentration in acting are admitted directly into the major by indicating their degree preference on their ASU admission application.

Students interested in the BA in theatre with a concentration in design and production enter as theatre majors. Once students begin to complete classes at ASU in the theatre Bachelor of Arts program, they may apply to the design and production concentration after a portfolio review.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

### Change of Major Requirements:

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FATHEBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in theatre provides an excellent broad-based foundation for work in the arts or entertainment professions and readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations in both theatre and related fields. Opportunities may include work with:

- arts entrepreneurship
- commercial entertainment
- production companies in theatre, television or film
- schools

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/>  
GHALL 240  
[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)  
480-965-4206

## Theatre (Acting), BA (FATHEABA)

**Campus:** Tempe

**Program Description:**

The BA program in theatre with a concentration in acting provides students with a rigorous academic and hands-on theatre education that emphasizes performance in both live theatre and recorded media. Within the context of a comprehensive liberal arts education, the program prepares students for both advanced graduate study in the field and entry-level careers in acting and performance. The program offers specialty coursework in the following areas:

- film
- movement
- new work development
- performance styles
- theatre for youth
- voice and speech

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students interested in the BA in theatre with a concentration in acting are admitted directly into the major by indicating their degree preference on their ASU admission application.

**Transfer Admission Requirements:**

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FATHEABA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in theatre with a concentration in acting provides an excellent broad-based foundation for work in the profession. It prepares students for advanced graduate study and independent career pursuits in performance. It offers students advanced study that can lead to careers in professional theatre, film, television, media, education and other related arts disciplines.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre  
<https://musicdancetheatre.asu.edu/>  
GHALL 240  
mdtadmissions@asu.edu  
480-965-4206

## Theatre (Design and Production), BA (FADSNPRBA)

**Campus:** Tempe

**Program Description:**

The BA program in theatre with a concentration in design and production provides students a rigorous academic and hands-on theatre education with an emphasis on design and production for entertainment. The concentration uses cutting edge technologies to produce the highest-level production. Within the context of a comprehensive liberal arts education, the program prepares students for both advanced graduate study in the field and for careers in entertainment design and production.

The program offers specialty coursework in the following areas:

- costume construction
- costume design and technology
- digital fabrication
- lighting design and technology
- media design and technology
- properties construction
- scenic art
- scenic design and technology
- sound and media systems design
- sound design and technology
- stage management
- technical direction
- rigging

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students interested in the BA in theatre are admitted directly into the major by indicating their degree preference on their ASU admission application.

Students interested in the BA in theatre, BA in theatre with a concentration in acting, or BA in theatre with a concentration in design and production enter as BA theatre majors. Once students begin to complete classes at ASU in the BA theatre program, they may apply to a concentration in either acting or design and production.

Transfer Admission Requirements:

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FADSNPRBA~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in theatre provides an excellent broad-based foundation in the performing arts and entertainment industries for those who want to work as designers or technicians. It also prepares students for further training at graduate schools or conservatories. Additionally, the program's liberal arts emphasis prepares graduates for a variety of occupations.

**Contact Information:**

Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/theatre-design-and-production-ba>

GHALL 240

[mdtadmissions@asu.edu](mailto:mdtadmissions@asu.edu)

480-965-4206

## Theory and Composition (Composition), BMUS (FAMUSTCBM)

**Campus:** Tempe

### **Program Description:**

Students pursuing the BMus in theory and composition must choose a concentration in either theory or composition. The completion of the requirements for this concentration results in the award of one degree in either theory or composition.

Students who select the concentration in composition focus on developing a range of techniques for writing music for diverse genres and media including chamber, orchestra, electronic music, and film and video scoring. The School of Music, Dance and Theatre offers students the opportunity to study with composers who have established national and international reputations.

This program may be used as the first step toward a master's degree or doctorate in music composition or another graduate academic music degree.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

**Program Math Intensity:** General

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and Theatre is based on a composition interview. Interviews take place in November (spring admission) and in February (fall admission) of each year. Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an interview process. Students are admitted as music audition students and must successfully complete the composition interview before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the interview milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees> (<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>).

Spring admission: The deadline to apply for admission to this program is October 1.

Fall admission: The deadline to apply for admission to this program is December 1.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>  
Academic Catalog Archive 2021-2022



(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>).

Spring admission: The deadline to apply for admission to this program is October 1.

Fall admission: The deadline to apply for admission to this program is December 1.

**Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSTCBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- arranging
- composing
- performing in community and professional ensembles in a variety of styles and traditions
- serving as an artist-in-residence in school programs
- teaching in a private studio and community program
- teaching theory and composition
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/theory-and-composition-composition-bmus>

MUSIC E167

MDTAdmissions@asu.edu

480-965-5069

## Theory and Composition (Theory), BMUS (FAMUSTTBM)

**Campus:** Tempe

**Program Description:**

Students pursuing the BMus in theory and composition must choose a concentration in either theory or composition, and completion of the requirements for this concentration result in the award of one degree in either theory or composition.

Students who select the concentration in theory focus on the theoretical study of music. The School of Music, Dance and Theatre offers students the opportunity to develop a strong foundation in the understanding of musical languages and skills in applying models and methods to music analysis. Students work with renowned faculty with musical interests that represent a wide range of genres and areas.

This program may be used as the first step toward a master's degree or doctorate in music theory or another graduate academic music degree.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra OR MAT 119 Finite Mathematics

## **Program Math Intensity: General**

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application. Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply>) for details. Admission to the School of Music, Dance and

Theatre is based on an audition. Auditions take place in November (spring admission) and in January and February (fall admission) of each year.

Applicants may review audition information at <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions>).

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

Transfer Admission Requirements:

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should visit <https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>

(<https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees>) for complete music deadlines.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

### **Change of Major Requirements:**

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSTTBM~null + &college=CHI>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to work in various professional capacities, including:

- arranging
- composing
- performing in community and professional ensembles in a variety of styles and traditions
- presenting school programs, or state or community arts councils as artist-in-residence
- teaching in a private studio or community program
- teaching theory and composition
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**

Design and the Arts, Herberger Institute for  
School of Music, Dance and Theatre

<https://musicdancetheatre.asu.edu/degree-programs/theory-and-composition-theory-bmus>

MUSIC E167

MDTAdmissions@asu.edu

480-965-5069

## Engineering, Ira A. Fulton Schools of

### Aeronautical Management Technology (Air Traffic Management), BS (ESAMTATBS)

**Campus:** Polytechnic

**Program Description:**

The BS program in aeronautical management technology with a concentration in air traffic management provides a technical foundation in the air traffic control procedures used by air traffic controllers in control towers and radar facilities.

Students gain a strong background in aircraft operations, management skills and business principles through coursework specific to air traffic control and aviation. As part of the degree program, students are required to take courses that will qualify them to earn their airline dispatcher certificate.

This is an intensive program of classroom study and laboratory practice using state-of-the-art air traffic control simulators to enhance and reinforce classroom study. Students receive training in the methodologies and technologies that are currently being developed for the next generation of air traffic control systems. Students develop the skills of analytical thinking, clear and concise communication, problem-solving, and teamwork.

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

To be considered for employment by the Federal Aviation Administration, graduates of the program need to be aware of minimum requirements for employment. Students should see [https://www.faa.gov/jobs/career\\_fields/aviation\\_careers](https://www.faa.gov/jobs/career_fields/aviation_careers)

([https://www.faa.gov/jobs/career\\_fields/aviation\\_careers/](https://www.faa.gov/jobs/career_fields/aviation_careers/)) for more information. Graduates of the program are not guaranteed employment by the Federal Aviation Administration. Students who do not have U.S. citizenship may be admitted to the program but are not eligible for employment by the Federal Aviation Administration.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAMTATBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Federal Aviation Administration's 2020 Controller Workforce Plan projects that the agency plans to hire more than 8,500 new controllers by 2029 to keep pace with the expected attrition rate and traffic growth. The total number of planned hires for the period of 2019-2029 is 9,596 new controllers. The increase in the volume of air traffic requires more controllers to handle the additional work. New computerized systems assist controllers by automatically making many of the routine decisions, allowing controllers to handle more traffic and thus increasing their productivity.

Despite the obvious demand for new controllers in the immediate future, competition to get into the FAA-approved training programs is expected to remain intense as there generally are many more applicants than there are openings. Graduates who have met all the FAA requirements are eligible for consideration for employment.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Aviation Programs

<https://poly.engineering.asu.edu/aviation/>

SUTON 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)

**Campus:** Polytechnic

**Program Description:**

The air transportation management concentration of the BS program in aeronautical management technology provides students with a strong foundation of aviation concepts, including airline administration, airport planning, aviation law, policy and human factors as well as technical knowledge focusing on power plants, structures and aerodynamics. Students progress into courses on the business and management and operational aspects of aviation such as airline administration and airport planning. All students finish the program by participating in an internship within industry and completion of a capstone project.

This program prepares students for leadership positions within airlines, airports, government, consulting and entrepreneurial enterprises.

The Aviation Accreditation Board International accredits this program.

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTMSB~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A degree in air transportation management prepares graduates for these careers:

- airline manager
- airline operations manager
- airport manager
- aviation consulting
- entrepreneurial ventures
- fixed based operations
- general aviation operations manager
- governmental positions with the Federal Aviation Administration, Department of Transportation and National Transportation Safety Board

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Aviation Programs

<https://poly.engineering.asu.edu/aviation/air-transportation-management/>

SUTON 240

## Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)

**Campus:** Polytechnic

### Program Description:

Students in the professional flight concentration of the BS program in aeronautical management technology learn to fly in an academic environment that prepares graduates for careers as professional pilots.

Flight training is offered by an ASU-approved flight provider in late-model aircraft equipped with state-of-the-art avionics. Flight instruction takes place at the Phoenix-Mesa Gateway Airport, adjacent to the Polytechnic campus.

Students may take advantage of pathway agreements for guaranteed interviews with regional air carriers.

This program is for students who are seriously interested in becoming professional airline pilots. Graduates are prepared to assume responsibilities in a wide variety of technically related areas within professional aviation flight operations.

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.

Additional course-related fees apply; students should see the program website for more information.

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

This major has additional admission requirements including Federal Aviation Administration requirements. Students are admitted to the preprofessional status and must complete additional requirements for admission to the professional program. Students should see

<https://poly.engineering.asu.edu/aviation/professional-flight-bs/secondary-application-process>

(<https://poly.engineering.asu.edu/aviation/professional-flight-bs/secondary-application-process>) for more information.

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTFBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The professional flight concentration offers students private pilot, commercial pilot and flight instructor certificates as well as instrument pilot, instrument instructor and multiengine pilot ratings. With these flight qualifications and the technically based bachelor's degree, the graduate has a wide variety of career opportunities, including flight crew service on commercial and business aircraft as an airline or corporate pilot.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Aviation Programs  
<https://poly.engineering.asu.edu/aviation/professional-flight-bs/>  
SUTON 240  
polyadvising@asu.edu  
480-727-1874

## Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS)

**Campus:** Polytechnic

**Program Description:**

The unmanned aerial systems concentration of the BS program in aeronautical management technology prepares students for careers in the rapidly growing area of unmanned aerial systems, including operations, remote sensing, data collection and analysis.

The concentration incorporates all aviation management technology core courses and unmanned aerial systems concentration courses. This provides an overview of unmanned aerial systems operations followed by detailed knowledge of unmanned aerial systems-specific systems and technology (ground control stations; data links; flight planning and operations; search, detect and avoid technologies; and payloads) and unmanned aerial systems sensor operations. A critical aspect of this academic area of study is the data capture and transfer of the sensor information collected from the unmanned aerial vehicle.

This innovative concentration brings together the most up-to-date and relevant aspects facing multiple industries today by addressing flight system planning and operations and the employment of the systems in the congested National Airspace System.

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTUASBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students graduating from this program are ready to find various employment opportunities as unmanned aerial vehicle pilots and sensor operators in both the U.S. and worldwide. This concentration prepares students to operate small to mid-range platforms that are used by emergency responders, forestry, agriculture, energy and oil, and other similar industries. Entry-level pay is competitive for this highly specialized field.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Aviation Programs

<https://poly.engineering.asu.edu/aviation/unmanned-aerial-systems-bs/>  
SUTON 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)

**Campus:** Tempe

**Program Description:**

The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems. The aeronautics concentration under the BSE program in aerospace engineering emphasizes engineering and the design of aircraft, helicopters, missiles and other vehicles that fly through the atmosphere.

Topics in required courses cover aerodynamics, aerospace materials, aircraft structures, flight mechanics, propulsion, and stability and control. Required astronautics topics include altitude control and orbital mechanics.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aerospace Engineering, MS

Mechanical Engineering, MS

Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)



International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 242

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEROBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

The majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:

- aeronautical and space systems integration
- configuration development
- material and structural design

- propulsion engineering
- space mission design and analysis
- vehicle and component analysis using computer-aided tools
- vehicle design and performance
- wind tunnel and flight testing

The aerospace engineering program has the following educational objectives:

Through volunteering, entrepreneurial endeavors, community service, employment, etc., graduates of the aerospace engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within the organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

Graduates of the aerospace engineering program are expected to attain the following outcomes:

- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-engineering-bse/>  
 ECG 202  
 semte@asu.edu  
 480-965-2335

## Aerospace Engineering (Astronautics), BSE (ESAEASBSE)

**Campus:** Tempe

**Program Description:**

The BSE program in aerospace engineering provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems.

The astronautics curriculum covers:

- attitude determination and control
- elective topics in aeronautics
- gas dynamics
- orbital mechanics
- rocket propulsion
- space environment
- space structures
- telecommunications.

Students in the astronautics concentration culminate their major study with a capstone design project that incorporates the multiple disciplines involved in the creation of a space-going vehicle.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aerospace Engineering, MS

Mechanical Engineering, MS

Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 242

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEASBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:

- aeronautical and space systems integration
- configuration development
- material and structural design
- propulsion engineering
- space mission design and analysis
- vehicle and component analysis using computer-aided tools
- vehicle design and performance
- wind tunnel and flight testing

The aerospace engineering program has the following educational objectives:

Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the aerospace engineering program demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within their organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

Graduates of the aerospace engineering program are expected to attain the following outcomes:

- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-engineering-bse/>  
ECG 202  
semte@asu.edu  
480-965-2335

## **Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)**

**Campus:** Tempe

#### **Program Description:**

Emerging emphasis on autonomous aircraft technology and operations in both military and civilian sectors signals a new era within the aeronautical

community focused on autonomous vehicles and systems. The BSE program in aerospace engineering with a concentration in autonomous vehicle systems provides graduates with knowledge and skills required for any career in aerospace engineering plus those specific to unmanned aerial vehicles and systems.

The curriculum is structured so students have general exposure to the engineering of autonomous aircraft plus track courses in one area important to this field. Available tracks are guidance, navigation and control, and communications.

All paths through this concentration satisfy accreditation criteria for aerospace engineering.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aerospace Engineering, MS

Mechanical Engineering, MS

Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (<https://admission.asu.edu/international/undergrad-student>) (<https://admission.asu.edu/international/undergrad-student>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 242

### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU ([https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEAVSBSE-null + &college=CES](https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEAVSBSE-null+%&college=CES)) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Students who earn a degree in this concentration are prepared for a career in the aerospace industry, focusing on unmanned vehicles.

The aerospace engineering program has the following program educational objectives:

Through volunteering, entrepreneurial endeavors, community service, employment, etc., graduates of the aerospace engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within the organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

Graduates of the aerospace engineering program are expected to attain the following outcomes:

- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

### Contact Information:

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/aerospace-engineering-bse/>  
ECG 202  
[semte@asu.edu](mailto:semte@asu.edu)

## Applied Science (Aviation), BAS (TSAMTABAS)

**Campus:** Polytechnic

### Program Description:

The concentration in aviation within the BAS in applied science is for students who have received training and education in some aspect of the air transportation industry, such as air transportation management, flight or aviation maintenance as part of their associate degree. Students receive an orientation in management practices.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** Any math course with the MA general studies designation will satisfy the math requirement.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available to freshmen.

Transfer Admission Requirements:

This BAS program in applied science allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their BAS upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the BAS degree. Students should work with their academic advisor to ensure their courses meet degree requirements.

### Change of Major Requirements:

Students interested in changing to this Bachelor of Applied Science program must have completed a related Associate of Applied Science degree at a regionally accredited college.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTABAS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates are prepared for advanced positions in the aviation management field.

### Contact Information:

Engineering, Ira A. Fulton Schools of

Aviation Programs

<https://poly.engineering.asu.edu/aviation/>

SUTON 240

## Applied Science (Graphic Information Technology), BAS (TSGITBAS)

**Campus:** Polytechnic, Online

### Program Description:

The BAS program with a concentration in graphic information technology allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

The cross-media nature of the graphics industry requires tomorrow's graduates to understand the full spectrum of visual design and production as well as current business practices. The graphic information technology program prepares students to become visual design technologists with skills in front-end web design and development, printing and digital publishing, commercial photography and videography, and motion graphics and visual effects. This is an intensive program of study emphasizing theory and hands-on laboratory practice.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Graphic Information Technology, MS

Technology (Graphic Information Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree in a similar field such as computer graphic design, digital arts, digital photography, eLearning design, game technology, graphic design, animation and Web publishing design, graphic design: visual communication, information technology; web and graphic design, media arts; desktop publishing, media art; web design, multimedia, multimedia and business technology, and video production technology.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/graphic-information-technology-bas/>)

### Change of Major Requirements:

Students interested in changing to this Bachelor of Applied Science degree must have completed a related Associate of Applied Science degree at a regionally accredited university in a similar program, such as graphic design, animation, visual communication, web design and development, commercial photography and video.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSGITBAS~null + &college=CES>) to outline a list of recommended courses to



take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The graphic information technology program prepares graduates for technical and management positions in visual design in such diverse areas as:

- art direction
- commercial photography and videography
- front-end web design and development
- graphic design
- motion graphics, animation and game art
- premedia, digital printing and publishing
- production management
- quality assurance of graphic and visual design products
- technical and digital media production
- user experience design
- user interface design
- video editing
- visual design

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of

Graphic Information Technology

<https://poly.engineering.asu.edu/git/bas-in-graphic-information-technology/>

SUTON 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## **Applied Science (Internet and Web Development), BAS (TSIWDBAS)**

**Campus:** Polytechnic, Online

#### **Program Description:**

The BAS program with a concentration in internet and web development is an intensive program of study emphasizing hands-on laboratory practice. Students develop skills in front-end web design and development, including advanced web markup and scripting, user experience design, usability, multimedia design and emerging web technologies.

The Bachelor of Applied Science degree program allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a bachelor's degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

All courses for this program are available on campus and through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Graphic Information Technology, MS

Technology (Graphic Information Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree in web design, web development, media arts; digital animation, media arts; web design, web development, web design, and graphic design, animation, and web publishing design.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-applied-science-internet-and-web-development/>)

**Change of Major Requirements:**

Students interested in changing to this Bachelor of Applied Science degree must have completed a related Associate of Applied Science degree at a regionally accredited university.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSIWDBAS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for careers in front-end website design and development, usability and user experience design, user interface design, and visual design.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Graphic Information Technology

<https://poly.engineering.asu.edu/bas-internet-and-web-development/>

SUTON 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Applied Science (Operations Management), BAS (TSIMCOBAS)

**Campus:** Polytechnic, Online

**Program Description:**

Graduates of the BAS program with a concentration in operations management are able to provide strategic focus to meet organizational objectives by implementing best practices, managing people, and creating value.

This program allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** Any math course with the MA general studies designation will satisfy the math requirement.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-applied-science-operations-management-technology/>)

**Change of Major Requirements:**

Students interested in changing to this Bachelor of Applied Science degree must have completed a related Associate of Applied Science degree at a regionally accredited institution.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSIMCOBAS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree program in operations management technology prepares undergraduate students for supervisory and management functions in industry, manufacturing, public service and other service organizations.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Tech Entrepreneurship & Mgmt

<https://poly.engineering.asu.edu/tem/>

SUTON 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Biomedical Engineering, BSE (ESBMEBSE)

**Campus:** Tempe

ASU is not currently accepting applications for this program.

**Program Description:**

Biomedical engineering applies principles of engineering to the study and resolution of problems in biology and medicine.

The BSE in biomedical engineering prepares high-quality graduates with a broad-based education in biomedical engineering that positions them for productive employment, graduate study or professional programs, especially in human and animal medicine, biotechnology and related biology-based engineering fields; for continued development of technical knowledge, awareness and leadership abilities so graduates may address domestic or global issues in human health; and for preparation to ethically and responsibly contribute to society by drawing from an integrated, transdisciplinary biomedical engineering education that focuses on sustainability and environmentalism.

Graduates are able to apply their skills in an ethical, sustainable and environmentally responsible manner to make contributions that address societal and individual needs.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biomedical Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and

- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

### **Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Biomedical engineers are primarily employed in:

- governmental regulatory agencies
- hospital and research facilities
- medical and educational institutions
- medical device, biotechnology and pharmaceutical industries

In industry, they may work in all aspects of product development including:

- business development
- manufacturing
- marketing
- quality
- regulatory
- research and design
- sales

Because of their background in both the engineering and medical fields, they often serve a coordinating or interfacing function and provide a key role for transdisciplinary teams. Government positions may involve evaluating new technologies, testing product quality and safety and setting standards.

In the hospital, biomedical engineers serving in a clinical engineering function may provide advice on the selection and use of medical equipment and supervise performance testing and maintenance. Biomedical engineers may also build customized devices for special health care, rehabilitation or research needs.

### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Harrington Bioengineering Program  
<https://sbhse.engineering.asu.edu/>  
ECG 334  
[sbhse.advising@asu.edu](mailto:sbhse.advising@asu.edu)  
480-965-3028

## **Biomedical Engineering (Biological Devices), BSE (ESBMEBDBSE)**

**Campus:** Tempe

### **Program Description:**

The BSE program in biomedical engineering with a concentration in biological devices provides in-depth knowledge of cell biology and helps students learn to apply that knowledge to solve engineering problems pertinent to medicine and other fields, including synthetic biology.

The biomedical industry has many branches that require depth of understanding of cell biology and its techniques, including immunohistochemical diagnostics, blood-contacting materials, controlled-release therapeutics and local delivery of therapeutics.

With courses that cover engineering, life sciences and that tie the two together, graduates are able to apply their skills in an ethical and a

sustainable manner to make contributions that address societal and individual needs.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for fewer than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum GPA in ABOR competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards:

<https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements/>) for the major change requirements for this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMEBDBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are well qualified for entry-level positions, including quality assurance, regulatory affairs and project management.

Graduates are also highly qualified to seek advanced degrees if they wish to pursue research and design positions.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Biological & Health Systems Engineering  
<https://sbhse.engineering.asu.edu>  
ECG 334  
[sbhse.advising@asu.edu](mailto:sbhse.advising@asu.edu)  
480-965-3028

## Biomedical Engineering (Biomedical Devices), BSE (ESBMEMDBSE)

**Campus:** Tempe

**Program Description:**

The BSE program in biomedical engineering with a concentration in biomedical devices provides in-depth knowledge to translate an idea for a health solution into a viable prototype of a biomedical device.

With knowledge gained from courses that cover engineering, life sciences, and that tie the two together, graduates are able to apply their skills in an ethical and a sustainable manner to make contributions that address societal and individual needs.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for fewer than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum GPA in ABOR competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Current ASU students should refer to <https://engineering.asu.edu/admission-requirements/> for the major change requirements for this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMEMDBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are well-qualified for entry level positions in the biomedical industry, including areas such as quality assurance, regulatory affairs and project management. Graduates also are highly qualified to seek advanced degrees if they wish to pursue research and design positions

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Biological & Health Systems Engineering  
<https://sbhse.engineering.asu.edu/>  
ECG 334  
[sbhse.advising@asu.edu](mailto:sbhse.advising@asu.edu)  
480-965-3028

## Chemical Engineering, BSE (ESCHEBSE)

**Campus:** Tempe

**Program Description:**

Chemical engineering deals with the application of chemistry, physics and mathematics to the process of converting raw materials or chemicals into more useful or valuable forms. Chemical engineering also involves the design of valuable new materials and chemical products.

The BSE program offered in chemical engineering builds on a broad base of knowledge within the basic and mathematical sciences and engineering and offers excellent career opportunities. Chemical engineers are engaged in the development and production of a diverse range of products, including high-performance materials needed for aerospace, automotive, biomedical, electronic and environmental applications. The modern discipline of chemical engineering is intertwined with biology and biomedical engineering.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Chemical Engineering, MS

Materials Science and Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.



**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer credit hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and

minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (students should refer to the major map for critical courses)

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards:

<https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCHEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Chemical engineers have traditionally played a key role in industries as varied as:

- artificial fibers
- biotechnology
- ceramics
- food
- glass
- petrochemicals
- petroleum
- plastics
- primary metals
- semiconductors
- specialty chemicals

There are also many newer fields with great demand for chemical engineering graduates, such as biomedical engineering, modern materials science (composites, superconductors) and the solution of environmental problems.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Chemical Engineering Program  
<https://semte.engineering.asu.edu/chemical-engineering-bse/>  
 ECG 202  
 semte@asu.edu  
 480-965-2335

## Civil Engineering, BSE (ESCEEBSE)

**Campus:** Tempe

**Program Description:**

Civil engineering majors in the Ira A. Fulton Schools of Engineering have two choices within the accredited BSE program: civil engineering and civil engineering with the sustainable engineering concentration. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by ABET.

Civil engineering involves the analysis, planning, design, construction, maintenance and application of sustainable practices in all areas of urban infrastructure for government, commerce, industry and the public domain. These include airports, bridges, canals, dams, factories, office towers, roadway systems, schools, tunnels and subway systems and water purification facilities.

Civil engineers are concerned with the impact their projects have on the public and the environment; they coordinate the needs of society with technical and economic feasibility.

The curriculum exposes students to the following areas of civil engineering, with a strong emphasis on sustainability:

- construction engineering
- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structures
- transportation

Accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org> (<https://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

- Civil, Environmental and Sustainable Engineering, MSE
- Civil, Environmental, and Sustainable Engineering, MS
- Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### **Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCEEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

ASU graduates with a bachelor's degree in civil engineering readily find employment. Civil engineers work in many different types of companies: large corporations; small, private consulting firms; and governmental agencies. A civil engineering background is an excellent foundation for jobs in management and public service.

Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business.

The bachelor's degree program prepares graduates for the fundamentals of engineering examination, the professional engineering examination and for graduate degree programs.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/undergraduate/civil/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Civil Engineering (Environmental Engineering), BSE (ESCEEEBSE)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

Civil engineering majors have three choices within the accredited BSE program:

- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in engineering in civil engineering is accredited by ABET.

Civil engineering with a concentration in environmental engineering is a transdisciplinary field based on traditional civil engineering principles and on chemistry, biology and geology. Environmental engineers are involved with:

- air pollution technology
- analysis of the fate and transport of pollutants
- application of sustainable practices in all areas of urban infrastructure
- construction of hazardous waste containment systems
- design and operation of water and wastewater treatment systems
- remediation of contaminated soils and waters
- surface water quality management
- water conservation and reuse

The curriculum also exposes students to other traditional civil engineering areas.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

Civil, Environmental and Sustainable Engineering, MSE

Civil, Environmental, and Sustainable Engineering, MS

Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <https://admission.asu.edu/international/undergrad-student>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCEEEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

ASU graduates with a bachelor's degree in civil engineering with a concentration in environmental engineering find employment in:

- consulting firms
- industry
- municipalities
- regulatory agencies

The growth of environmental engineering positions has been balanced by the growing number of students entering the field, resulting in a stable job market.

A civil engineering background is an excellent foundation for jobs in management and public service. International opportunities are abundant and are likely to expand. The bachelor's degree program in civil engineering prepares graduates for the fundamentals of engineering examination, the professional engineering examination and graduate degree programs.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)

**Campus:** Tempe

**Program Description:**

Civil engineering majors have two options within the accredited BSE program: civil engineering and civil engineering with sustainable engineering concentration. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by ABET.

The bachelor's degree in civil engineering with a concentration in sustainable engineering incorporates systems modeling and life cycle approaches to assessing the resiliency and material selection across all areas of urban infrastructure or built environment, currently addressed within the civil engineering degree. The program is designed to provide students with exposure to material from several disciplines that comply with the principles of economic, social and ecological sustainability and apply them to traditional civil engineering areas.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Civil, Environmental and Sustainable Engineering, MSE
- Civil, Environmental, and Sustainable Engineering, MS
- Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student>), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCEESUBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Civil engineers with knowledge of sustainable engineering may find employment in many different types of companies: large corporations; small, private consulting firms; and governmental agencies.

Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business.

Graduates of the program are prepared for the fundamentals of engineering examination, the principles and practice of engineering examination

and for graduate degrees.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Civil, Environmental and Sustainable Eng Program  
<https://ssebe.engineering.asu.edu/undergraduate/civil/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Computer Science, BS (ESCSEBS)

**Campus:** Tempe

**Program Description:**

The BS program in computer science focuses on the design of computers, computational processes for problem-solving and information transfer and transformation with an emphasis on improving software and system quality, security, performance and usability. The program supports the evolution of the computing and informatics disciplines: the integration of computer and information sciences with engineering, science and other disciplines.

Computer science professionals design, analyze and improve the quality of computer software and systems for a variety of applications, including:

- artificial intelligence
- computer vision
- cybersecurity
- graphics
- information management
- multimedia
- networking

Examples of projects a computer scientist might work on include:

- computer networking
- database and information systems
- distribution processing systems
- gaming systems
- next-generation computing systems
- search engines
- software engineering
- web services.

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS
- Computer Science (Cybersecurity), MCS
- Computer Science (Cybersecurity), MS
- Computer Science, MCS
- Computer Science, MS
- Robotics and Autonomous Systems (Artificial Intelligence), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.



**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (students should check <https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum ABOR GPA of 3.00 or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Computer science graduates secure employment in a variety of capacities such as computer and software design or development of information technologies. Their jobs are often distinguished by the high level of theoretical expertise applied to solving complex problems and to the creation

and application of new computing technologies. Some computer science-related jobs may include:

- creating computer games and graphics systems
- designing artificial intelligence systems
- developing mobile computing applications
- developing network security applications
- discovering data management and mining solutions for large scale data analytics
- inventing and implementing more efficient computing systems for managing data and information, including information retrieval and search on the Internet

With the theoretical foundation built into the program, computer science graduates can excel in system and software development as well as in designing effective computing solutions for emerging and challenging problems in modern society. Skills in system development and research can lead to entrepreneurial activity that produces innovative computing products and services.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/computer-science-bs/degree-requirements/>  
CTRPT 105  
cidse.undergrad@asu.edu  
480-965-3199

## Computer Science (Cybersecurity), BS (ESCSEIBS)

**Campus:** Tempe

**Program Description:**

The BS program in computer science with a concentration in cybersecurity provides students with the knowledge and skills needed to build dependable and secure information systems and networks and to ensure the integrity and quality of information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on information assurance and cybersecurity courseware at ASU, students should refer to <http://ia.asu.edu/education.php> (<http://ia.asu.edu/education.php>).

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS
- Computer Science (Cybersecurity), MCS
- Computer Science (Cybersecurity), MS
- Computer Science, MCS
- Computer Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (students should check <https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum ABOR GPA of 3.00 or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or minimum ABOR GPA of 3.00, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (students should see major map for critical courses)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEIBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Domestic students enrolled in the cybersecurity concentration are eligible for federal fellowships, such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program. For more information on the scholarship programs, students should see <http://ia.asu.edu/scholarship.php> (<http://ia.asu.edu/scholarship.php>).

Graduates with a degree in computer science with a cybersecurity concentration find employment in a variety of capacities including computer system and software development and research on information assurance technologies. Some related jobs may include:

- analyzing computer forensic data
- designing secure information systems and databases
- developing secure software
- information security consulting
- secure computer and network applications

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/computer-science-bs/degree-requirements/>  
 CTRPT 105  
 cidse.undergrad@asu.edu  
 480-965-3199

**Computer Science (Software Engineering), BS (ESCSESBS)**

**Campus:** Tempe

**Program Description:**

The software engineering concentration of the BS program in computer science is appropriate for computer science students seeking careers as software engineers. Students learn advanced processes, methodologies and tools for developing and testing large and small software applications in emerging areas such as:

- databases
- enterprise systems
- interoperable systems
- mobile computing
- service-orientated computing

They also learn cybersecurity concepts and techniques and principles of human-computer interaction and methods for developing these applications. The curriculum prepares students to assume leadership roles in software development organizations and to practice professional standards and emerging software technology to the software engineering life-cycle activities.

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS
- Computer Science (Cybersecurity), MCS
- Computer Science (Cybersecurity), MS
- Computer Science, MCS
- Computer Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (students should check <https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum ABOR GPA of 3.00 or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or minimum ABOR GPA of 3.00, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSESBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Career opportunities are plentiful for software engineers.

Graduates of the software engineering concentration possess the knowledge and skills to work across the spectrum of software development process activities, including:

- architecture
- coding
- project management
- quality assurance

- requirements engineering
- testing

Careers include:

- software analyst
- software architect
- software engineer
- software task leader
- software tester

Graduates find employment in large and small organizations that develop, deploy and manage software systems. They work on all types of projects that include large, complex engineering systems, distributed banking, financial and government software and gaming.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/computer-science-bs/degree-requirements/>  
 CTRPT 105  
 cidse.undergrad@asu.edu  
 480-965-3199

## Computer Systems Engineering, BSE (ESCSEBSE)

**Campus:** Tempe

**Program Description:**

The BSE program in computer systems engineering focuses on the analysis, design, testing, integration and evaluation of hardware and software systems. The curriculum is grounded in many engineering disciplines, including the applications of science and technology to the design of:

- computer architecture
- cybersecurity
- digital circuits
- distributed and embedded systems
- networking
- operating systems

Students engage in the design of integrated hardware and software solutions for computing, communication and control applications. They practice many aspects of engineering activities, such as the development of:

- computer networks
- embedded and ubiquitous systems
- high-performance computer systems
- individual digital components

Students become skilled at interfacing different pieces of hardware and software components and integrating systems and products with new capabilities and improved quality and performance.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Computer Engineering (Computer Systems), MS  
Computer Science (Art, Media and Engineering), MS  
Computer Science (Big Data Systems), MCS  
Computer Science (Big Data Systems), MS  
Computer Science (Biomedical Informatics), MS  
Computer Science (Cybersecurity), MCS  
Computer Science (Cybersecurity), MS  
Computer Science, MCS  
Computer Science, MS  
Robotics and Autonomous Systems (Artificial Intelligence), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (students should check <https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum ABOR GPA of 3.00 or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or minimum ABOR GPA of 3.00, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### **Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards:

<https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=ESCSEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Computer systems engineers are employed in industry, government, education and consulting firms where they engage in the design, development and operation of hardware and software systems of computer and networking equipment.

Computer systems engineers often find themselves focusing on engineering problems or challenges of emerging computer systems, including chips, device controllers, embedded systems and high-performance computing servers. Their jobs usually involve the research, design and development of computer hardware and software for practical applications. Their work can result in innovative, state-of-the-art products that integrate computing and communication capabilities, such as those in:

- avionics and space vehicles
- digital television and photography
- intelligent highways and control systems for vehicles
- mobile devices and smart applications
- new apparatuses for health care and for the sight-impaired or others with physical disabilities
- security and defense systems

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/computer-systems-engineering/>  
CTRPT 105  
[cidse.undergrad@asu.edu](mailto:cidse.undergrad@asu.edu)  
480-965-3199

## Computer Systems Engineering (Cybersecurity), BSE (ESCSEIBSE)

**Campus:** Tempe

**Program Description:**

The BSE program in computer systems engineering with a concentration in cybersecurity provides students with the knowledge and skills needed to build dependable and secure information systems and networks and to ensure the integrity and quality of the information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on information assurance courseware at ASU, students should refer to <http://ia.asu.edu/education.php> (<http://ia.asu.edu/education.php>).

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS



Computer Science (Cybersecurity), MCS  
Computer Science (Cybersecurity), MS  
Computer Science, MCS  
Computer Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (students should check <https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum ABOR GPA of 3.00 or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or minimum ABOR GPA of 3.00, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### **Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEIBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Domestic students enrolled in the cybersecurity concentration are eligible for federal fellowships such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program. For more information on the scholarship programs, students should visit <http://ia.asu.edu/scholarship.php> (<http://ia.asu.edu/scholarship.php>).

Graduates with a degree in computer systems engineering with a concentration in cybersecurity find employment in a variety of capacities including computer systems and software development and research on information assurance technologies. Some related jobs may include:

- analyzing computer forensic data
- designing secure information systems and networks
- information security consulting
- information systems security engineering
- network security engineering

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/computer-systems-engineering/>  
CTRPT 105  
[cidse.undergrad@asu.edu](mailto:cidse.undergrad@asu.edu)  
480-965-3199

## **Construction Engineering, BSE (ESCONBSE)**

**Campus:** Tempe

#### **Program Description:**

The BSE program in construction engineering is designed for students who wish to gain a professional engineering license while working at the interface of design and construction, and it is attractive for students interested in a career that emphasizes the construction of infrastructure.

The degree program includes engineering design and construction management courses with a focus on sustainability and building information modeling topics. Construction management content includes construction methods, contract management, cost and schedule control, people management and project estimating.

The curriculum's design content includes structures, geotechnical engineering and transportation. Students are further prepared with the computer, management, technical and people skills they need to succeed.

This degree is the third in the southwestern U.S. and one of about 20 worldwide.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student>), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum ABOR GPA of 3.00 or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or minimum ABOR GPA of 3.00, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria, not both:

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies, if Admission Services requires submission of a high school transcript

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.

<https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>)

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCONBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The construction engineering graduate, with this strong background in design and management, is prepared to enter a career in the engineering

and construction industry as a field engineer, project engineer or project designer working for:

- construction companies
- design firms
- facility owners
- material suppliers
- specialty subcontractors

Graduates have the unique skills needed to take on the role of integrator in the delivery of design-build projects or development activities. As the graduate's career progresses, they should be able to take on leadership roles in the delivery of sustainable facilities in the built environment and then progress through successively higher levels of management responsibility. The graduate should be particularly attuned to the design and construction of heavy civil and industrial facilities, meeting the infrastructure needs of society.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Construction Engineering  
<https://ssebe.engineering.asu.edu/undergraduate/construction-eng/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Construction Management and Technology, BS (ESCONMGTB)

**Campus:** Tempe

**Program Description:**

The BS program in construction management and technology allows students to specialize in commercial, heavy, residential and specialty construction and facility management. Students learn to organize, lead and manage the building construction business processes related to real estate, facility and infrastructure projects.

Construction management is the most vital function on a job site. Construction managers represent the interests of the building owner or the contractor and interact with architects, engineers, subcontractors, vendors and suppliers to ensure the success of construction projects in the built environment.

This program focuses on the business of construction and technology, such as building information modeling.

Students learn the basics of design; the construction methods specific to each type of construction (heavy, residential, commercial, specialty); and the process of sustainable or green construction. They learn how to estimate, schedule and control the costs of a project and what it takes to manage the people involved and the various types of contracts. Graduates are prepared with the computer, management, technical and people skills they need to succeed.

This is one of two construction programs in the state of Arizona and one of approximately 80 accredited programs in the nation.

This program is accredited by the American Council for Construction Education: <https://www.acce-hq.org/> (<https://www.acce-hq.org/>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Construction Management and Technology, MS
- Public Administration - Downtown Phoenix, MPA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student>), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum ABOR GPA of 3.00 or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or minimum ABOR GPA of 3.00, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria, not both:

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies, if Admission Services requires submission of a high school transcript

#### Secondary Criteria

- minimum transfer GPA of 2.50 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>)

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCONMGTB~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

The construction management and technology program provides a foundation for students who wish to pursue careers as project managers, project engineers, estimators or schedulers and eventually become principals of firms engaged in the construction of industrial, commercial or residential projects.

The heavy construction emphasis area prepares students for careers related to public works such as highways, airports, bridges, utility systems and water or waste treatment facilities.

The commercial and residential emphasis areas prepare students for careers in real estate development, home production systems, commercial construction, health care and special industrial building projects. Students are also prepared to enter the sustainable or green construction market.

The specialty construction emphasis prepares students to organize, lead and manage the building process at the subcontractor level and prepares students for careers as contractors working with mechanical and electrical systems. It also prepares students for careers in management at specialty contracting firms, such as control systems, electrical distribution or heating, ventilation and air conditioning systems for large and complex facilities such as data centers, health care organizations and semiconductor manufacturing plants as well as commercial facilities.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Del E. Webb Construction  
<https://ssebe.engineering.asu.edu/undergraduate/construction-mgmt/>  
CAVC 437  
sebe.advising@asu.edu  
480-965-0595

## Electrical Engineering, BSE (ESEEEBSE)

**Campus:** Tempe, Online

**Program Description:**

The BSE program in electrical engineering prepares students for positions as electrical engineers.

Following initial coursework in mathematics and sciences, the foundation classes build a solid base of engineering knowledge. The electrical engineering curriculum includes a number of required upper-division electrical engineering and technical elective courses in such areas as circuits; communication, signal processing and control systems; computer engineering; electromagnetics; power; and solid-state devices.

Approved technical elective courses provide students with an opportunity either to broaden their background in electrical engineering or to study in greater depth the technical subjects in which they have special interest.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Computer Engineering (Electrical Engineering), MS
- Electrical Engineering, MS
- Electrical Engineering, MSE
- Robotics and Autonomous Systems (Electrical Engineering), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (<https://admission.asu.edu/international/undergrad-student>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.50 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (MAT 265, MAT 266, PHY 121 and PHY 122)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-engineering-electrical-engineering/>)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEEEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with the bachelor's degree in electrical engineering find many exciting opportunities in industry. These include:

- communication equipment and network providers
- computer and peripheral device manufacturers and defense organizations
- consulting companies
- electric power utilities
- semiconductor chip designers and manufacturers

Graduates are also prepared for continued learning experiences, either in a formal graduate program or in continuing education applications.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Electrical Engineering Program

<https://ecee.engineering.asu.edu/>

GWC 209

[askee@asu.edu](mailto:askee@asu.edu)

480-965-3424

## Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)

**Campus:** Tempe, Online

**Program Description:**

The electric power and energy systems concentration in the BSE program in electrical engineering prepares students for positions after graduation in industries dealing with the generation, transmission and utilization of electric power. Generation includes conventional power generation (fossil fuel and nuclear) and alternative energy systems, including solar, wind and fuel cells.

Students in this program complete the foundation courses in math, science and engineering and then are required to take the pathway course in electric power and complete nine of the 15 technical elective credit hours with power classes. The senior design capstone project focuses on the area of electric power and energy systems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Electrical Engineering, MS

Electrical Engineering, MSE

Robotics and Autonomous Systems (Electrical Engineering), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:



The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student>), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.50 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (MAT 265, MAT 266, PHY 121 and PHY 122)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/electrical-engineering-electric-power-and-energy-systems-bse/>)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>)

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEEEPBASE-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Career opportunities for graduates with a concentration in electric power and energy systems include:

- consulting engineering firms
- employment in utility companies
- entrepreneurial opportunities
- power equipment manufacturers
- research and design organizations
- state, federal and municipal agencies

This concentration also prepares students to pursue graduate degrees in the areas of:

- power generation
- power systems
- power transmission and distribution
- renewable and sustainable energy sources

The program also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
 Electrical Engineering Program  
<https://ecee.engineering.asu.edu/>  
 GWC 209  
 askee@asu.edu  
 480-965-3424

## Engineering, BSE (TSEGRBSE)

**Campus:** Polytechnic

**Program Description:**

The ABET-accredited BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the engineering program, students apply engineering fundamental knowledge and design thinking to real projects every semester.

In the Bachelor of Science in engineering program, students choose a disciplinary concentration to develop in-depth knowledge in a specific area and they choose a secondary focus area. This flexibility allows students to tailor their degree to achieve their individual career and life goals.

Students can choose from the following concentrations: automotive systems, electrical systems, mechanical engineering systems and robotics.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork, collaboration, and the self-motivation and adaptability that many employers seek.

Graduates are prepared to work in large corporations, government agencies and small businesses as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://poly.engineering.asu.edu/engineering/bse-engineering/>

SUTON 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Engineering (Automotive Systems), BSE (TSEGRASBSE)

**Campus:** Polytechnic

**Program Description:**

The ABET-accredited BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the automotive systems concentration of the Bachelor of Science in Engineering program first build a broad engineering foundation to which they add the skills and knowledge necessary for vehicle design and testing. The curriculum focuses on automotive engineering fundamentals, including powertrain engineering and chassis system design as well as hands-on projects that involve designing, analyzing and building actual automotive systems.

Graduates of this concentration are able to provide leadership in automotive engineering settings, especially in automotive testing and hybrid propulsion systems, which are intrinsically transdisciplinary in nature.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering, MS
- Global Management, MGM
- Manufacturing Engineering, MS
- Robotics and Autonomous Systems (Systems Engineering), MS
- Secondary Education (Teacher Certification), MEd
- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRASBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek.

Graduates of the automotive concentration are prepared for employment in automotive-related companies, from large original equipment manufacturing companies and their testing grounds to smaller specialty or aftermarket companies. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Because of the transdisciplinary nature of the Bachelor of Science in Engineering, graduates also have opportunities to perform functions that traditionally have been done by mechanical, manufacturing, automation and development engineers.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Engineering Programs

<https://poly.engineering.asu.edu/engineering/bse-engineering>

SUTON 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Engineering (Electrical Systems), BSE (TSEGRESBSE)

**Campus:** Polytechnic

**Program Description:**

The ABET-accredited BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world

problems. In the Bachelor of Science in engineering program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the electrical systems concentration of the Bachelor of Science in engineering program build a broad engineering foundation to which they add the skills and knowledge necessary to contribute electrical subject matter expertise in transdisciplinary engineering teams. This expertise includes theory and application of sensors, actuators, microcontrollers and microprocessors as well as the integration of these components into electrical and mechatronic systems. The electrical systems curriculum also provides significant hands-on experience designing and implementing electrical and mechatronic systems to meet the needs of users.

Accredited by the Engineering Accreditation Commission of ABET; <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering, MS
- Global Management, MGM
- Manufacturing Engineering, MS
- Robotics and Autonomous Systems (Systems Engineering), MS
- Secondary Education (Teacher Certification), MEd
- Solar Energy Engineering and Commercialization, PSM
- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRESBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services.

The electrical systems program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration and the self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies and small businesses as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Engineers with electrical expertise are in high demand in many industry sectors, especially manufacturing, utilities, and communications and defense systems. Electrical systems also pervade the service sectors in areas such as health care, finance, education and entertainment. Graduates from this program have the broad base of technical knowledge and operational skills that make them invaluable members of multidisciplinary engineering teams, well-suited for employment across a broad spectrum of engineering endeavors.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Engineering Programs  
<https://poly.engineering.asu.edu/engineering/bse-engineering>  
SUTON 240  
polyadvising@asu.edu  
480-727-1874

## Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)

**Campus:** Polytechnic

**Program Description:**

The ABET-accredited BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the mechanical engineering systems concentration of the Bachelor of Science in engineering build a broad engineering foundation to which they add the skills and knowledge necessary to contribute mechanical subject matter expertise in transdisciplinary engineering teams. This expertise includes theory and application of materials, machine design, thermal fluid systems, and energy and power from a systems perspective. The mechanical systems curriculum also provides significant hands-on experience designing and implementing mechanical systems to meet the needs of users.

Accredited by the Engineering Accreditation Commission of ABET; <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering, MS
- Global Management, MGM
- Manufacturing Engineering, MS
- Robotics and Autonomous Systems (Systems Engineering), MS
- Secondary Education (Teacher Certification), MEd
- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRMEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork, and collaboration and the self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies and small businesses as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Engineers with mechanical expertise are in high demand in many different industry sectors, including transportation, agriculture, a wide variety of process industries, product development, manufacturing, and energy and defense systems. Mechanical engineers also work in close collaboration with other engineering disciplines in a wide variety of fields, including biomedical, building and construction, transportation and aerospace. Graduates from this program have a broad base of technical knowledge and operational skills that make them invaluable members of multidisciplinary engineering teams, well-suited for employment across the whole spectrum of applications.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://poly.engineering.asu.edu/engineering/bse-engineering>

SUTON 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Engineering (Robotics), BSE (TSEGRRBSE)

**Campus:** Polytechnic

**Program Description:**

The ABET-accredited BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the robotics concentration of the Bachelor of Science in engineering program build a broad engineering foundation to which they add the skills and knowledge necessary to contribute robotics subject matter expertise in transdisciplinary engineering teams. This expertise includes electromechanical systems, sensor and actuator integration, embedded digital systems application, and design and analysis of dynamic systems. The robotics curriculum also provides significant hands-on experience designing and implementing robotics systems to meet the needs of users.

Accredited by the Engineering Accreditation Commission of ABET; <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs

within the Fulton Schools of Engineering lead to professional licensure.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Engineering, MS
- Global Management, MGM
- Manufacturing Engineering, MS
- Robotics and Autonomous Systems (Systems Engineering), MS
- Secondary Education (Teacher Certification), MEd
- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRRBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration and the self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies and small businesses as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Robotics plays an increasingly important role in many different industries, including manufacturing, automotive, defense systems, biomedical devices and aerospace. Graduates from this program have a broad base of technical knowledge in the design and implementation of robotic electro-mechanical systems. In addition, they have the operational and communication skills that make them invaluable members of multidisciplinary engineering teams, well-suited for employment across the whole spectrum of applications.

**Contact Information:**

Engineering, Ira A. Fulton Schools of



Engineering Programs  
<https://poly.engineering.asu.edu/engineering/bse-engineering/>  
SUTON 240  
polyadvising@asu.edu  
480-727-1874

## Engineering Management, BSE (ESEMGBSE)

**Campus:** Tempe, Online

### Program Description:

The BSE program in engineering management is designed to provide students with skills required for effective management and leadership of engineering-driven enterprises.

The curriculum provides a breadth of engineering science and design with depth in one specific area suitable for practice. This knowledge is augmented with an understanding of business practices and organizational behavior and with the development of management skills, enabling the graduate to succeed in the management of a scientific or engineering enterprise. Topics covered include project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management, in addition to product design and process development.

Graduates have a deep understanding of at least one industry sector based upon the focus area courses.

Accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org> (<https://www.abet.org/>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/>. Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

### Concurrent Degrees:

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Economics, BS

### Accelerated Degree Options:

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Industrial Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Additional Requirements:

The admission requirements for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission requirements. Students should select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student>), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

#### Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- Admission may be granted with one deficiency in no more than two competency areas: <https://admission.asu.edu/first-year/competency-requirements>. Deficiencies in both math and laboratory science are not acceptable.

#### Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for less than 24 transfer hours, and
- satisfy the freshmen admission requirements

Transfer students with more than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- if Admission Services requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency areas: <https://admission.asu.edu/first-year/competency-requirements>. Deficiencies in both math and laboratory science are not acceptable.

Concurrent degree admission: Engineering Management, BSE and Economics, BS:

- minimum 1250 SAT combined evidence-based reading and writing plus math score (650 minimum on SAT math) or minimum 29 ACT combined score (29 minimum on ACT math), and
- 3.00 minimum ABOR GPA

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/engineering-engineering-management-bse/>)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. <https://engineering.asu.edu/admission-requirements/>

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEMGBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

An engineering management graduate is prepared to begin a career as a:

- production supervisor
- project management team member or lead
- supply logistics engineer
- system specification and customer relationship management specialist or similar role

Graduates are ready to progress through successively higher levels of management responsibility.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Industrial, Systems & Operations Engineering Prgm  
<https://cidse.engineering.asu.edu/engineering-management-bse/>  
CTRPT 105  
cidse.undergrad@asu.edu  
480-965-3199

## Environmental Engineering, BSE (ESEVEBSE)

**Campus:** Tempe

**Program Description:**

The BSE program in environmental engineering educates students to become tomorrow's engineers who solve complex environmental problems and design systems at the human, urban and planetary scale.

Environmental engineers are actively involved with the following topics and activities: air quality monitoring and air pollution control technology; analysis of the fate and transport of pollutants; application of sustainable design principles; design and operation of water and wastewater treatment systems; design of hazardous waste containment systems; design of solid waste management systems; remediation of contaminated soil, sediment and water; and water quality, water conservation and water reuse.

In recognition of the interdisciplinary nature of environmental engineering challenges, the degree program incorporates courses from other programs in the Ira A. Fulton Schools of Engineering including civil engineering and environmental resources management. Engineering courses build on strong foundations in chemistry, biology, geology, physics and mathematics. Courses cover fundamental engineering concepts applied to environmental processes and environmental engineering design as well as applied learning experiences including a required internship or research experience and a capstone design course.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Civil, Environmental, and Sustainable Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum ABOR GPA of 3.00 or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and

minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or minimum ABOR GPA of 3.00, or class ranking in top 25% of high school class

Transfer students with more than 24 transferable college credit hours:

#### Primary

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admissions Services requires submission of a high school transcript)

#### Secondary Criteria

minimum transfer GPA of 2.75 for 24 or more transfer hours, and

- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEVEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Graduates from the environmental engineering program have career opportunities in both the private and public sectors.

The private sector consulting industry in environmental engineering is growing as greater environmental awareness and emerging novel pollutants require continual refinement of regulations and environmental system design standards. The private sector manufacturing industry employs environment engineers to aid in environmental compliance and eco-efficiency.

In the public sector, municipalities and regulating agencies require a knowledgeable workforce that understands how public policy can improve human health and ecosystem services through environmental engineering processes.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
School of Sustainable Engineering & Built Environmt  
<https://ssebe.engineering.asu.edu/undergraduate/environmental/>  
CAVC 437  
[sebe.advising@asu.edu](mailto:sebe.advising@asu.edu)  
480-965-0595

## Environmental and Resource Management, BS (TSETMBS)

**Campus:** Polytechnic

#### Program Description:

The BS program in environmental and resource management provides critical scientific, engineering, regulatory and management skills for students who plan to pursue careers in industry, government or nongovernmental organizations, focusing on ensuring the health of engineered and natural ecosystems and mitigating the environmental impact of the industrial world.

The curriculum combines a strong foundation in chemistry, physics, biology and mathematics with a solid grounding in environmental law and policy, engineering and management principles. Students learn to apply environmental technologies to manage engineered environmental

operations such as drinking water and wastewater treatment, management of hazardous and solid wastes, and the control of industrial and mobile sources of air pollution. They study OSHA, EPA and DOT regulations on health and safety, as well as strategies to protect workers in hazardous environments. International environmental issues and legal frameworks are included along with U.S. environmental laws.

An accelerated BS/MS degree option is available in which up to 12 credit hours of the bachelor's degree may be applied toward the 30 credit hours required for the master's degree in environmental and resource management. A special application is required for this option.

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Environmental and Resource Management (Water Management), MS

Environmental and Resource Management, MS

Technology (Environmental Technology Management), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSETMBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with the skills gained in this program are in high demand and can find work in industry, governmental management and regulatory agencies or in policy-making organizations.

Graduates are firmly grounded in the scientific, technical, and legal problems facing environmental managers in today's business climate. They are prepared to be environmental, health and safety professionals in industrial settings such as manufacturing, mining, oil and gas or environmental engineering consulting firms. They also assure compliance with OSHA and EPA requirements in laboratories at pharmaceutical companies, water and wastewater treatment facilities or academic labs. On the regulatory side, graduates work for agencies such as the U.S. Environmental Protection Agency or state and county departments of environmental quality.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Environmental and Resource Management  
<https://poly.engineering.asu.edu/erm>  
SUTON 240  
polyadvising@asu.edu  
480-727-1874

## Graphic Information Technology, BS (TSGITBS)

**Campus:** Polytechnic, Online

**Program Description:**

The cross-media nature of the graphics industry requires tomorrow's graduates to understand the full spectrum of visual design and production as well as current business practices.

The graphic information technology program prepares students to become visual design technologists with skills in front-end web design and development, print and digital publishing, commercial photography and videography, and motion graphics and visual effects.

This is an intensive program of study emphasizing theory and hands-on laboratory practice.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Journalism and Mass Communication, BA

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Graphic Information Technology, MS

Technology (Graphic Information Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Concurrent degree admission:

Freshman applicants must meet all of the following standards:

- minimum ABOR GPA of 3.75
- no English competency deficiencies
- 960 SAT Reasoning or 22 ACT score

Transfer applicants also must meet the following standard:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-graphic-information-technology-concentration/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSGITBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graphic information technology prepares graduates for technical and management positions in visual design in such diverse areas as:

- art direction
- commercial photography and videography
- front-end web design and development
- graphic design
- motion graphics and visual effects
- premedia, digital printing and publishing
- production managers
- quality assurance of graphic and visual design products
- technical and digital media production
- user experience design
- user interface design
- visual design

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Graphic Information Technology  
<https://poly.engineering.asu.edu/git/bs-graphic-information-technology>  
SUTON 240  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

## Graphic Information Technology (Full-Stack Web Development), BS (ESGITFSWBS)

**Campus:** Polytechnic, Online

**Program Description:**

The BS program in graphic information technology with a concentration in full-stack web development focuses on both front-end and back-end website and application development. This cross-disciplinary program has a foundation in user-centered design and client-side scripting (HTML, CSS, JS) and extends to server-side programming (PHP, Python, SQL, etc.).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESGITFSWBS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The future is bright for those with full-stack developer skills. According to the LinkedIn 2020 Emerging Jobs Report, full-stack engineer is number four of the top 15 emerging jobs in 2020: [https://business.linkedin.com/content/dam/me/business/en-us/talent-solutions/emerging-jobs-report/Emerging\\_Jobs\\_Report\\_U.S.\\_FINAL.pdf](https://business.linkedin.com/content/dam/me/business/en-us/talent-solutions/emerging-jobs-report/Emerging_Jobs_Report_U.S._FINAL.pdf) ([https://business.linkedin.com/content/dam/me/business/en-us/talent-solutions/emerging-jobs-report/Emerging\\_Jobs\\_Report\\_U.S.\\_FINAL.pdf](https://business.linkedin.com/content/dam/me/business/en-us/talent-solutions/emerging-jobs-report/Emerging_Jobs_Report_U.S._FINAL.pdf)).

Since 2015, hiring growth for the full-stack engineer profession has been 35% every year. Indeed ranked full-stack developer as the second best job for 2020, with the percentage of growth from 2018-2019 at more than 161%: <https://www.indeed.com/lead/best-jobs-2020> (<https://www.indeed.com/lead/best-jobs-2020>).

Indeed also listed the top 10 skills for a full-stack developer, nine of which are taught within the full-stack web development concentration curriculum. The program goes beyond these as well, giving students opportunities to learn additional technologies, further preparing them for jobs upon graduation.

Top industries where graduates land include computer software, IT, financial services and higher education. Google, eBay, Verizon, IBM and Capital One are among the top companies hiring full-stack developers (according to Glassdoor: [https://www.glassdoor.com/Explore/browse-companies.htm?overall\\_rating\\_low=3.5&page=1&isHiringSurge=0&occ=Full%20Stack%20Developer](https://www.glassdoor.com/Explore/browse-companies.htm?overall_rating_low=3.5&page=1&isHiringSurge=0&occ=Full%20Stack%20Developer) ([https://www.glassdoor.com/Explore/browse-companies.htm?overall\\_rating\\_low=3.5&page=1&isHiringSurge=0&occ=Full%20Stack%20Developer](https://www.glassdoor.com/Explore/browse-companies.htm?overall_rating_low=3.5&page=1&isHiringSurge=0&occ=Full%20Stack%20Developer))).

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Polytechnic School

<https://poly.engineering.asu.edu/degrees/bachelors-degrees>

WANER 101

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Graphic Information Technology (User Experience), BS (ESGITUEBS)

**Campus:** Polytechnic, Online



**Program Description:**

The BS program in graphic information technology with a concentration in user experience is designed to provide students with an interdisciplinary foundation in design, research and communication, to prepare them for the rapidly growing area of user experience.

The concentration provides students with a conceptual understanding and applied skills in methods of gathering user information, analyzing data and communicating through visual design technologies. Although its disciplinary home and primary focus is graphic information technology, the concentration includes courses from the fields of human systems engineering and technical communication in order to provide students with the multiple perspectives and complementary skills needed for user experience work.

**Additional Program Fee:** Y**Second Language Requirement:** N**First Required Math Course:** MAT 170 - Precalculus**Program Math Intensity:** Moderate**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Graphic Information Technology, MS
- Technology (Graphic Information Technology), MSTech
- User Experience, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/graphic-information-technology-user-experience-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESGITUEBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graphic information technology graduates who have some expertise in user experience have numerous career opportunities in areas such as user experience research, user-centered design, information design, interaction design, information architecture, content strategy and usability analysis.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Graphic Information Technology  
<https://poly.engineering.asu.edu/git/>  
SUTON 240  
[polyadvising@asu.edu](mailto:polyadvising@asu.edu)  
480-727-1874

# Human Systems Engineering, BS (ESHSEBS)

**Campus:** Polytechnic, Online

## Program Description:

The BS program in human systems engineering provides students with an understanding of the science of human performance and with experience using methods and tools to apply this understanding to design and problem-solving in a wide variety of domains, such as product usability, learning design, sports performance and workplace and hospital safety.

A wide variety of professions need experts in human factors to work on problems that involve an understanding of human performance. Interest areas include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, health psychology, learning optimization, social cognition, threat detection and sports psychology.

The program is offered by the Ira A. Fulton Schools of Engineering.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

## Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Human Systems Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

## Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/human-systems-engineering/>)

## Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

## Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESHSEBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

## Career Opportunities:

The human systems engineering program prepares students for industry and government careers in positions such as:

- game designer
- human factors engineer
- human systems integrator
- interface designer
- user experience designer
- usability engineer

Graduates may work as a member of a design team for a product or system.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu/hse/>  
SUTON 240  
polyadvising@asu.edu  
480-727-1874

## Human Systems Engineering (User Experience), BS (ESHSEUEBS)

**Campus:** Polytechnic, Online

**Program Description:**

The BS degree program in human systems engineering with a concentration in user experience combines topics in psychology, the web, human factors, visual displays and technical communications to make products and services useful, usable and desirable.

Students learn how to research customer needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered methods.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Human Systems Engineering, MS
- User Experience, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/human-systems-ux-degree/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESHSEUEBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Increasingly, companies are searching for professionals to help make products and services more usable and desirable. In recent years, CNN, U.S. Academic Catalog Archive 2021-2022 1999

News & World Report and other news organizations have rated user experience as one of the top emerging careers, with benefits that include high pay, opportunities to telecommute, low stress and high job growth.

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Human Systems Engineering  
<https://poly.engineering.asu.edu/hse/>  
SUTON 240  
polyadvising@asu.edu  
480-727-1874

## Industrial Engineering, BSE (ESIEEBSE)

**Campus:** Tempe

**Program Description:**

Industrial engineering pertains to the design, improvement, installation and operation of integrated systems of people, materials, information, equipment and energy with the purpose of determining efficient ways to make a product or provide a service. Industrial engineering draws upon specialized knowledge and skill in the mathematical, physical and social sciences and the principles and methods of engineering analysis and design.

The underlying concepts for the BSE program in industrial engineering include certain business principles but emphasize the use of mathematics and information technology to build models to describe, understand and optimize system performance. Depending on the subspecialties involved and the intended application, industrial engineering may also be known as operations management, management science, operations research, systems engineering or manufacturing engineering.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Industrial Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

**Transfer Admission Requirements:**

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

**Primary Criteria**

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

**Secondary Criteria**

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.

<https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>)

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESIEEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates in industrial engineering are prepared to design and manage systems for a wide range of organizations. They find exciting career opportunities in all types of manufacturing and service industries, including:

- banking and finance
- defense and government
- health care
- hospitality, sports and entertainment
- management consulting
- manufacturing (e.g., aerospace, automotive, semiconductor)
- software industry
- telecommunication
- transportation and logistics

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Industrial, Systems & Operations Engineering Prgm

<https://cidse.engineering.asu.edu/industrial-engineering-bse/industrial-engineering-degree-requirements/>

CTRPT 105

## Informatics, BS (ESCPIBS)

**Campus:** Tempe

### Program Description:

Informatics is about discovering, developing and understanding computer applications that improve people's lives. The BS program in informatics prepares students to become skilled professionals who take a transdisciplinary, user-oriented perspective toward information and computing systems, apply current informatics methods to address society's needs and contribute to the next generation of such systems.

The informatics bachelor's degree program provides an option for students interested in a flexible program in applied information and computing technologies. The program provides skills in design and implementation of computer systems while offering opportunities for building applications used by people in many fields. Students learn to develop software for devices of all sizes, from supercomputers to cell phones and even smaller. The challenges of informatics include designing, developing and applying tools that model, aid or automate activities within science, engineering, business, geography, education and entertainment.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus or MAT 265 Calculus for Engineers I

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Robotics and Autonomous Systems (Artificial Intelligence), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission requirements for a Bachelor of Science in informatics are higher than minimum university admission requirements. Students should select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (students should check <https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)), and admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum ABOR GPA of 3.00 or class ranking in top 25% of high school class, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed.

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or minimum ABOR GPA of 3.00, or class ranking in top 25% of high school class.

Transfer students with more than 24 transferable college credit hours:

#### Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed (if Admission Services requires submission of a high school transcript).

#### Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCPIBS-null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Informatics careers center on solving problems through the design and creation of information systems, user interfaces, mobile technologies and social media.

Graduates have the ability to develop future information technology solutions that place a strong emphasis on user needs and provide the ability to adapt and change dynamically with society's needs. This makes the informatician a strong candidate for jobs in:

- management consulting firms
- technology research centers
- technology startups

Additionally, they are prepared for graduate programs that offer an emphasis in emerging technologies.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Computer Science and Engineering Program  
<https://cidse.engineering.asu.edu/informatics/informatics-degree-requirements/>  
CTRPT 105  
[cidse.undergrad@asu.edu](mailto:cidse.undergrad@asu.edu)  
480-965-3199

## Information Technology, BS (TSIFTBS)

**Campus:** Polytechnic, Online

#### Program Description:

Information technology is the business of the movement of data by retrieving, managing, securing and analyzing data sets. It is an embedded system used in our everyday lives that defines how humans interact on a daily basis. The field's fast pace of growth is a worldwide event, and it is in need of self-motivated, problem-solving individuals who are looking toward a career in the exciting world of information technology.

The BS program in information technology starts by introducing basic fundamentals that lay the foundation of the information technology coursework. These fundamentals build toward a focus area that allows students to hone their skill set, preparing them for employment in the fast-paced environment that is information technology. This program has been designed with key-driven threads to incorporate emerging technologies that are utilized in real-world business models.

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Information Technology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-information-technology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSIFTBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The exciting career path of an IT professional can place graduates in positions around the world, in any industry. Such industries include:

- biomedical
- construction
- defense
- educational
- entertainment
- geospatial
- informatics
- sports



- sustainable environments

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Information Technology  
<https://poly.engineering.asu.edu/it/>  
SUTON 240  
polyadvising@asu.edu  
480-727-1874

## Manufacturing Engineering, BS (TSMEGRBS)

**Campus:** Polytechnic

**Program Description:**

Successful manufacturing enterprises balance design, sustainability and quality with production to prosper in the global marketplace. Manufacturing engineering combines manufacturing processes (e.g., how materials are altered in either shape or properties) and the processes of manufacturing (e.g., design and management of manufacturing systems).

The BS program in manufacturing engineering prepares students to analyze, synthesize and control manufacturing operations using statistical methods; collaborate across disciplines to design and build solutions to real-world problems; design innovative products and the equipment, tooling and environments necessary for their manufacture; model, simulate and analyze manufacturing production processes for both small- and large-scale environments; and provide technological leadership.

The curriculum is project-based, hands-on, teamwork-oriented and delivered in outstanding fabrication facilities. Graduates of this program become key team members who create and implement processes for making such varied products as airplanes, surgical instrument, toys and foodstuffs.

Accredited by the Engineering Accreditation Commission of ABET; <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Engineering, MS

Manufacturing Engineering, MS

Robotics and Autonomous Systems (Systems Engineering), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSMEGRBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services.

The Bachelor of Science in engineering program in manufacturing engineering enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration and the self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, and small businesses as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Graduates typically work as manufacturing engineers in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people within and outside of their company. Career employment opportunities include direct manufacturing support, manufacturing management, and quality control and assurance. Due to a strong, broad and practical engineering skill set, graduates are highly valuable in small or new startup companies. Program graduates are well-placed and command top salaries.

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
School of Manufacturing Systems and Networks  
<https://poly.engineering.asu.edu/engineering/manufacturing-engineering/>  
SUTON 240  
polyadvising@asu.edu  
480-727-1874

## **Materials Science and Engineering, BSE (ESMSEBSE)**

**Campus:** Tempe

#### **Program Description:**

Materials science and engineering is concerned with the fundamental relationships between performance of materials and their structure and properties for a wide variety of engineering applications. Courses in the BSE program in materials science and engineering prepare students to design new and better materials to improve people's lives and keep America on the cutting edge of technology.

Accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org>.

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Materials Science and Engineering, MS

Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student>), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMSEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Since materials science and engineering has such wide-scale applications, graduates find jobs in virtually every field such as aerospace, defense, auto industry, telecommunications, microelectronics, computers, bioengineering, sports, renewable energy, academia and national research labs. They are among the highest paid scientists and engineers.

#### Program education objectives

The materials science and engineering program has the following educational objectives:

- Graduates will solve real-world materials engineering challenges within their organizations by applying the required technical knowledge, skills and critical thinking.
- Graduates will have made demonstrable progress toward a graduate degree or be considered for a technical promotion potentially within three to five years of graduation.
- Graduates will demonstrate professionalism, leadership, lifelong learning, professional development and ability to work in teams, and will hold positions of increasing responsibility within their organizations.
- Graduates will demonstrate an ethical approach to their profession including consideration of economic, societal, cultural and environmental impact.

#### Student outcomes

Graduates of materials science and engineering program are expected to attain the following outcomes:

- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

Additional outcome for ASU materials science and engineering: demonstrate integration of relationships of structure, properties, processing and performance related to material systems using experimental, computational and statistical methods.

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Materials Science and Engineering Program  
<https://semte.engineering.asu.edu/materials-science-and-engineering-bse/>  
ECG 202  
semte@asu.edu  
480-965-2335

## Mechanical Engineering, BSE (ESMAEMBSE)

**Campus:** Tempe, Online

#### Program Description:

Mechanical engineering is a creative, diverse discipline. Mechanical engineers design, build and control the devices, machines, processes and systems that are the mainstay of modern industrialized society.

Students are prepared for a career in mechanical engineering through a curriculum that includes the study of the principles governing energy transfer, mechanical design, sensors and control devices, and the application of these principles to the creative solution of practical modern

problems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aerospace Engineering, MS

Materials Science and Engineering, MS

Mechanical Engineering, MS

Modern Energy Production and Sustainable Use, MS

Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

Solar Energy Engineering and Commercialization, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (<https://admission.asu.edu/international/undergrad-student>) (<https://admission.asu.edu/international/undergrad-student>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and

- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 241

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-mechanical-engineering/>)

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMAEMBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

A major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research; generating creative design and development; and the production, control, management and sales of the devices and systems needed by society.

The BSE program in mechanical engineering has the following program educational objectives:

Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the mechanical engineering program demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field.
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

Graduates of the mechanical engineering program are expected to attain the following outcomes:

- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

#### Contact Information:

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program

<https://semte.engineering.asu.edu/mechanical-engineering-bse/>  
ECG 202  
semte@asu.edu  
480-965-2335

## Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)

**Campus:** Tempe

### Program Description:

The concentration in computational mechanics under the BSE program in mechanical engineering teaches students the modern computational tools available for solving large-scale and complex technical problems. The curriculum focuses on high-performance computing and the accurate modeling of large and small scale systems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aerospace Engineering, MS

Materials Science and Engineering, MS

Mechanical Engineering, MS

Solar Energy Engineering and Commercialization, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (<https://admission.asu.edu/international/undergrad-student> (<https://admission.asu.edu/international/undergrad-student>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and

- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

#### Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

#### Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 241.

#### Change of Major Requirements:

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMAECBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

As mathematical and numerical modeling takes on a much larger role in product development, graduates who are highly skilled in computational and mathematical engineering will be in high demand.

Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research; generating creative design and development; and the production, control, management and sales of the devices and systems needed by society. Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates.

The mechanical engineering program has the following program educational objectives:

Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the mechanical engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

Graduates of the mechanical engineering program are expected to attain the following outcomes:

- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment,



establish goals, plan tasks and meet objectives

- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/mechanical-engineering-bse/>  
ECG 202  
semte@asu.edu  
480-965-2335

## Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)

**Campus:** Tempe

**Program Description:**

The concentration in energy and environment within the BSE program in mechanical engineering is designed to prepare students to analyze technical problems in:

- air pollution
- climate change
- energy efficiency
- environmental sustainability
- renewable energy
- timely issues facing the global community

Although the primary focus of this program is technical, the general education courses in the areas of the humanities and social and behavioral sciences introduce students to the global, political and societal issues relating to energy and the environment.

By focusing on issues such as air pollution, water scarcity and the lack of alternative transportation, this program is even more attractive for employers in the greater Phoenix area as well as nationwide.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>). Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Aerospace Engineering, MS
- Materials Science and Engineering, MS
- Mechanical Engineering, MS
- Modern Energy Production and Sustainable Use, MS
- Solar Energy Engineering and Commercialization, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student>), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

**Freshman Admission:**

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

**Transfer Admission Requirements:**

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

**Primary Criteria**

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

**Secondary Criteria**

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 241.

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards: <https://engineering.asu.edu/admission-requirements> (<https://engineering.asu.edu/admission-requirements>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMAEEBSE~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Mechanical engineers are employed in virtually every kind of industry. They are involved in generating creative design and development; seeking new knowledge through research; and the production, control, management and sales of the devices and systems needed by society.

Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Students completing this concentration have opportunities as environmental consultants; heating, ventilation and air-conditioning engineers; and power plant designers.

The mechanical engineering program has the following program educational objectives:

Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the mechanical engineering program demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field.
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

Graduates of the mechanical engineering program are expected to attain the following outcomes:

- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

**Contact Information:**

Engineering, Ira A. Fulton Schools of  
Mechanical and Aerospace Engineering Program  
<https://semte.engineering.asu.edu/mechanical-engineering-bse/>  
ECG 202  
semte@asu.edu  
480-965-2335

## Software Engineering, BS (TSSERBS)

**Campus:** Polytechnic, Online

**Program Description:**

The BS program in software engineering blends engineering, computing, project leadership and software construction.

Students learn how to make creative software solutions to today's problems. Software systems are complex, often including millions of lines of code. Graduates of the bachelor's degree program in software engineering possess the knowledge and skills of a defined engineering approach to complex systems analysis, planning, design and construction.

The program has a unique, project-driven curriculum, establishing a new model for software engineering education. The program is built around the concepts of engaged learning, discovery-based education and learn-by-doing. Students complete projects in every semester of the program that provide emphasis in communication, teamwork, critical thinking and professionalism. Students have flexibility in designing their course of study; they select technical electives from a pool of courses in different software engineering application areas such as web and mobile applications, embedded systems and other interdisciplinary areas.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

The accelerated program is only allowed for the software engineering program on the Polytechnic campus.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Robotics and Autonomous Systems (Artificial Intelligence), MS

Software Engineering, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (<https://admission.asu.edu/international/undergrad-student>), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25% of high school class, and
- Admission may be granted with one deficiency in no more than two competency areas: <https://admission.asu.edu/first-year/competency-requirements> (<https://admission.asu.edu/first-year/competency-requirements>). Deficiencies in both math and laboratory science are not acceptable.

Transfer Admission Requirements:

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for less than 24 transfer hours, and
- satisfy the freshmen admission requirements

Transfer students with more than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- If Admission Services requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency areas: <https://admission.asu.edu/first-year/competency-requirements> (<https://admission.asu.edu/first-year/competency-requirements>). Deficiencies in both math and laboratory science are not acceptable.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-software-engineering/>)

**Change of Major Requirements:**

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards:

<https://engineering.asu.edu/admission-requirements/> (<https://engineering.asu.edu/admission-requirements/>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSSERBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Software engineers solve a broad set of transdisciplinary problems and apply new technologies to improve the quality of life.

The bachelor's degree program in software engineering is a unique program in which students learn by solving engaging projects, commonly as a member of a development team.

Graduates are prepared for advanced study in computing or an allied field or to enter the computing profession (most commonly as an application software engineer). They design and engineer innovative systems that may include mechanical and electrical components that interact with software.

According to the Bureau of Labor Statistics, software engineers are highly paid, and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:

- creating applications for mobile devices
- creating web applications
- designing, creating and validating software for avionics, robotics and similar systems fields

#### **Contact Information:**

Engineering, Ira A. Fulton Schools of  
Software Engineering  
<https://cidse.engineering.asu.edu/software-engineering-bs/>  
PICO 245  
cidse.online@asu.edu  
480-965-3199

## **Technological Entrepreneurship and Management, BS (TSTEMBS)**

**Campus:** Polytechnic, Online

#### **Program Description:**

The BS program in technological entrepreneurship and management brings a STEAM (science, technology, engineering, arts and mathematics) focus to coursework in order to prepare students to address social and corporate issues that can impact and change the world. Students learn to create, launch and improve technology-based products, services and ventures, and identify and solve open-ended problems using engineering and technological approaches.

After completing this program, students should be able to demonstrate the ability to identify, analyze and synthesize information to address and solve use-inspired, open-ended problems, assessing their impact on social, cultural and economic environments; formulate methodologies to advance the knowledge of entrepreneurship and innovation; launch technology-based products and services from idea generation through actualization; use quantitative and qualitative methods to demonstrate continuous improvement of products, services and processes; and utilize a systems approach for the effective design and improvement of entrepreneurial and innovation ventures.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSTEMBS~null + &college=CES>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the technological entrepreneurship and management program possess a range of skills needed to develop and innovate products and services that meet corporate and social demands. Graduates are prepared for a wide variety of career possibilities, including technology-based entrepreneurship, product development, consulting, venture capital analysis, business development, market analysis, technology marketing and many more.

**Contact Information:**

Engineering, Ira A. Fulton Schools of

Tech Entrepreneurship & Mgmt

<https://poly.engineering.asu.edu/tem/bs-in-technological-entrepreneurship-and-management/>

SUTON 240

[polyadvising@asu.edu](mailto:polyadvising@asu.edu)

480-727-1874

## Global Futures, College of

### Innovation in Society, BA (FIFISBA)

**Campus:** Tempe, Online

**Program Description:**

The BA program in innovation in society is designed to help students cultivate the critical thinking skills needed to develop creative strategies that steer innovations toward the needs and values of society. Students are trained to synthesize research and theory from the social sciences, humanities, natural sciences and engineers so they can develop proposals for how to build better futures for people and communities around the globe.

No single discipline is able to solve the complex problems we face today. Science and engineering can help us further values we hold dear, such as health, economic prosperity, security, justice, peace, sustainability, privacy and happiness. But innovations need to be developed and deployed carefully and with an understanding of a global context that includes corporations, governments, infrastructure and people.

Students in this major learn to consider the implications of technology before it is deployed and to understand the big picture so that they can bring together the pieces needed to form a successful strategy. Classes include extensive use of interactive activities and projects.

The program is specifically tailored for students who have a background or interest in the humanities and the artistic side of innovation who want to play a pivotal role in bringing different disciplines together to solve the world's most difficult problems.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Technology and Development, MS  
Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/innovation-in-society-bachelor-of-arts/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FIFISBA~null + &college=CGF>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The rapid advances in science and technology are providing both opportunities and challenges for employers around the world. Corporations, government agencies and nonprofits all need people who are equipped to understand what those changes mean for the organization's goals and operations. There is a need people who can understand how innovation happens, have the analytical skills to deal with complex challenges, and can develop effective strategies and policies to guide change.

Graduates of this program have the skills to work collaboratively with experts from a variety of backgrounds in a variety of sectors providing problem-solving, analysis, quality assurance, future planning, technology assessment, and communication and facilitation on issues related to innovation in science and technology. Graduates are well prepared for careers in the tech sector, nonprofits, government and the arts.

Graduates are also prepared for advanced education (e.g., law, MBA, policy, social work) and graduate research across a variety of disciplines.

**Contact Information:**

Global Futures, College of  
School for the Future of Innovation in Society  
<https://sfis.asu.edu/degree/innovation-society-0>  
WGHL 108  
[cgfadvising@asu.edu](mailto:cgfadvising@asu.edu)  
480-727-6963

## Innovation in Society, BS (FIFISBS)

**Campus:** Tempe, Online

**Program Description:**

The BS program in innovation in society is designed to help students cultivate the critical thinking skills needed to develop creative strategies that steer innovations toward the needs and values of society. Students are trained to synthesize research and theory from the social sciences, humanities, natural sciences and engineers so they can develop proposals for how to build better futures.

No single discipline is able to solve the complex problems we face today. Science and engineering can help us further values we hold dear, such as health, economic prosperity, security, justice, peace, sustainability, privacy and happiness. But innovations need to be developed and deployed carefully and with an understanding of a global context that includes corporations, governments, infrastructure and people.

Students in this major learn to consider the implications of technology before it is deployed and understand the big picture so that they can bring together the pieces needed to form a successful strategy. Classes include extensive use of interactive activities and projects.

The program is specifically tailored for students who have a background or interest in the engineering, science and quantitative social science aspects of innovation who want to play a pivotal role in bringing different disciplines together to solve the world's most difficult problems.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Technology and Development, MS

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/innovation-society-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FIFISBS~null + &college=CGF>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The rapid advances in science and technology are providing both opportunities and challenges for employers around the world. Corporations, government agencies and nonprofits everywhere all need people who are equipped to understand what those changes mean for the organization's goals and operations. They need people who can understand how innovation happens, have the analytical skills to deal with complex challenges, and can develop effective strategies and policies to guide change.

Graduates of this program have the skills to work collaboratively with experts from a variety of backgrounds in a variety of sectors providing problem-solving, analysis, quality assurance, future planning, technology assessment, and communication and facilitation on issues related to innovation in science and technology. Graduates are well prepared for careers in the tech sector, nonprofits and government.

Graduates are also prepared for advanced education (e.g., MBA, policy, social work) and graduate research across a variety of disciplines.

**Contact Information:**

Global Futures, College of

School for the Future of Innovation in Society

<https://sfis.asu.edu/degree/innovation-society>



## Sustainability, BA (SUSUSTBA)

**Campus:** Polytechnic, Tempe, Online

### Program Description:

Students in ASU's College of Global Futures are rethinking and reinventing the future of a world at risk. The school's programs encourage experiential learning, study abroad, research with faculty, community engagement and leadership development. The knowledge and solutions created today will shape the social and environmental quality of life for future generations.

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world challenges and focus on developing practical solutions and interventions to some of the most pressing environmental, economic and social challenges of sustainability. Students learn to approach challenges with consideration of complex adaptive systems and resilience, interconnections and cascading effects across scales, management of trade-offs, ethics and values, stakeholder engagement, future visioning and scenario typologies for transitioning systems, and other cutting-edge frameworks.

The Bachelor of Arts is geared toward students interested in the social and human aspects of sustainability in global, regional, and local contexts such as international development and sustainability, policy and governance in sustainable systems, society and sustainability, and sustainable urban dynamics.

Students may find more information about opportunities within the School of Sustainability at these sites:

Study Abroad: <https://schoolofsustainability.asu.edu/student-life/study-abroad> (<https://schoolofsustainability.asu.edu/student-life/study-abroad>)

Research: <https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/> (<https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/>)

Student Clubs and Organizations: <https://schoolofsustainability.asu.edu/student-life/campus-experience/student-sustainability-clubs-organizations> (<https://schoolofsustainability.asu.edu/student-life/campus-experience/student-sustainability-clubs-organizations>)

Internships:

<https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities> (<https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities>)

Mentorship: <https://schoolofsustainability.asu.edu/student-life/mentorship-opportunities> (<https://schoolofsustainability.asu.edu/student-life/mentorship-opportunities>)

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** SOS 101 - Intro Appl Math Life & Soc Sci

**Program Math Intensity:** Moderate

### Concurrent Degrees:

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Supply Chain Management, BS

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Sustainability Solutions, MSUS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

#### Transfer Admission Requirements:

Transfer students, those with 12 or more transfer credit hours after high school graduation, are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability reviews transfer applications that fall below this GPA level on an individual basis.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-sustainability/>)

#### Change of Major Requirements:

ASU students who would like to change their major to sustainability are required to have a minimum cumulative ASU GPA of 3.00, based on at least 12 credit hours of ASU coursework.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=SUSUSTBA~null + &college=CGF>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Of undergraduate alumni who have shared their experiences with the school (<https://schoolofsustainability.asu.edu/careers/employment-data> (<https://schoolofsustainability.asu.edu/careers/employment-data/>)), 94% are either employed in sectors such as those listed above or have gone on to a graduate program. Of those employed, 70% have jobs directly related to sustainability.

Those with a Bachelor of Arts in sustainability offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of systems, have engaged in a range of knowledge and experience from different disciplinary perspectives, and understand the importance of planning for the future and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

In addition to going on to graduate school, graduates of the program are qualified for well-paying positions in:

- consultancy
- government
- intergovernmental organizations
- international development
- management
- municipalities
- nongovernmental organizations
- nonprofits
- policy-making enterprises
- regulatory agencies
- utilities

#### Contact Information:

Global Futures, College of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/undergraduate-degree-programs/bachelor-arts/WGHL> 108

cgfadvising@asu.edu  
480-727-6963

## Sustainability, BS (SUSUSTBS)

**Campus:** Polytechnic, Tempe, Online

**Program Description:**

Students in ASU's College of Global Futures are rethinking and reinventing the future of a world at risk. The school's programs encourage experiential learning, study abroad, research with faculty, community engagement and leadership development. The knowledge and solutions that are created today will shape the social and environmental quality of life for future generations.

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world challenges and focus on developing practical solutions and interventions to some of the most pressing environmental, economic and social challenges of sustainability. Students learn to approach challenges with consideration of complex adaptive systems and resilience, interconnections and cascading effects across scales, management of trade-offs, ethics and values, stakeholder engagement, future visioning and scenario typologies for transitioning systems, and other cutting-edge frameworks.

The Bachelor of Science is geared toward students interested in the more quantitative aspects of sustainability, such as those related to energy and materials, economics, and ecology and environmental science.

Students may find more information about opportunities within the School of Sustainability at these sites:

Study Abroad: <https://schoolofsustainability.asu.edu/student-life/study-abroad/> (<https://schoolofsustainability.asu.edu/student-life/study-abroad>)

Research: <https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/> (<https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/>)

Student Clubs and Organizations: <https://schoolofsustainability.asu.edu/student-life/campus-experience/student-sustainability-clubs-organizations/> ([https://schoolofsustainability.asu.edu/student-life/campus-experience/student-sustainability-clubs-organizations](https://schoolofsustainability.asu.edu/student-life/campus-experience/student-sustainability-clubs-organizations/))

Internships:

<https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities/> ([https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities](https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities/))

Mentorship: <https://schoolofsustainability.asu.edu/student-life/mentorship-opportunities/> ([https://schoolofsustainability.asu.edu/student-life/mentorship-opportunities](https://schoolofsustainability.asu.edu/student-life/mentorship-opportunities/))

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** SOS 101 - Intro Appl Math Life & Soc Sci

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Sustainability Solutions, MSUS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer Admission Requirements:

Transfer students, those with 12 or more transfer credit hours after high school graduation, are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability reviews transfer applications that fall below this GPA level on an individual basis.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-sustainability/>)

**Change of Major Requirements:**

ASU students who would like to change their major to sustainability are required to have a minimum cumulative ASU GPA of 3.00, based on at least

12 credit hours of ASU coursework.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=SUSUSTBS~null + &college=CGF>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Of undergraduate alumni who have shared their experiences with the school (<https://schoolofsustainability.asu.edu/careers/employment-data> (<https://schoolofsustainability.asu.edu/careers/employment-data/>)), 94% are either employed in sectors such as those listed above or have gone on to a graduate program. Of those employed, 70% have jobs directly related to sustainability.

Those with a Bachelor of Science in sustainability offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of systems, have engaged in a range of knowledge and experience from different disciplinary perspectives, and understand the importance of planning for the future and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

In addition to going on to graduate school, graduates of the program are qualified for well-paying positions in:

- consultancy
- government and intergovernmental organizations
- international development
- management (including energy and natural resource management)
- nongovernmental organizations and nonprofits
- policy-making enterprises
- regulatory agencies and utilities
- waste and water management

#### **Contact Information:**

Global Futures, College of  
School of Sustainability

<https://schoolofsustainability.asu.edu/degrees-and-programs/undergraduate-degree-programs/bachelor-science/WGHL-108>

[cgfadvising@asu.edu](mailto:cgfadvising@asu.edu)

480-727-6963

## **Sustainable Food Systems, BS (SUSFOSYSBS)**

**Campus:** Downtown Phoenix, Polytechnic, Tempe, Online

#### **Program Description:**

The BS program in sustainable food systems trains students to understand food-related challenges using a food systems lens which encompasses the many aspects of food and agriculture within an integrated social and environmental context. This lens empowers students to grapple with real-life complexities and become effective agents of change.

Coursework covers a wide range of topics: nutrition science, agricultural production, economics, social justice, and more. Students are encouraged to select electives that build upon core sustainable food systems coursework.

Students are engaged in an active community collectively working to achieve the 2030 United Nations Sustainable Development Goals. Beyond the core subject matter and skills courses, the degree requirements include an internship, a chosen focus area and a culminating project-based course, all of which provide students in-depth knowledge of a food-related subfield and ample preparation for exciting careers.

**Additional Program Fee:** Y

**Second Language Requirement:** Y

**First Required Math Course:** SOS 101 - Intro Appl Math Life & Soc Sci

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Transfer Admission Requirements:

Transfer students, those with 12 or more transfer credit hours after high school graduation, are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability reviews transfer applications that fall below this GPA level on an individual basis.

Students with more than 45 transfer credit hours who are not admissible to the School of Sustainability or the second major choice will be contacted to select an appropriate major.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/sustainable-food-systems/>)

**Change of Major Requirements:**

ASU students who would like to change their major to sustainable food systems are required to have a minimum cumulative ASU GPA of 3.00, based on at least 12 credit hours of ASU coursework.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=SUSFOSYSBS~null + &college=CGF>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates have a broad understanding of sustainable food systems and are prepared for pursuing career opportunities such as managing natural resources for food production; public policy, governance and grassroots organizing; food literacy; sustainable food procurement; agricultural development, poverty alleviation and emerging markets; improved public health through food; or food entrepreneurship and innovation, marketing and agribusiness.

From the School of Sustainability's 2020 alumni employment survey, 94% of sustainability undergraduates are either employed or have gone on to a graduate program. Of those employed, 70% have jobs directly related to sustainability. Because the sustainable food systems program just launched Fall 2019, the school currently does not have alumni employment data for this specific degree.

**Contact Information:**

Global Futures, College of  
School of Sustainability  
<https://schoolofsustainability.asu.edu/>  
WGHL 108  
[cgfadvicing@asu.edu](mailto:cgfadvicing@asu.edu)  
480-727-6963

## Global Management, Thunderbird School of

### Global Management, BGM (TBTGMBGM)

**Campus:** West, Online

**Program Description:**

The BGM program prepares students to take on leadership roles in multinational corporations, government agencies or nongovernmental organizations. Thunderbird's elite faculty and strong relationships with global enterprises allow students to develop and hone the skills needed to thrive as leaders in today's globally interconnected economy. Students gain experience and develop skills that international companies, governments and nonprofit entities value highly in employees.

The program offers two tracks: the international business, language and culture track in which two years of foreign language is required; and the international business and culture track in which there is no foreign language requirement and more emphasis on management-related courses. Students who select the foreign language track may complete coursework in a variety of languages. The international business, language and culture track is offered to on-campus students only. Online students may pursue only the international business and culture track.

Everyone in the program has the opportunity to explore the politics, cultures and economics of different countries around the world while putting the skills they have learned into practice in real-world settings through a required international internship. Although students are strongly encouraged to pursue internships outside their home country, they may also satisfy this requirement by doing a local internship with an international component.

Bachelor of Global Management students also complete a senior capstone project that draws on the unique skills they have developed throughout the program. In the capstone project, students work together in consulting teams to provide recommendations for a global organization on a challenge it faces internationally. The internship and the capstone project allow students to demonstrate their skills and work experience for potential employers as part of their professional development plan.

This truly global program provides global career opportunities around the world, global courses taught by outstanding Thunderbird graduate school faculty, and preparation for graduates to thrive in today's complex and dynamic global job market. Thunderbird School of Global Management has produced unique leaders for 75 years, agents of change in every sector who are capable of tackling the world's greatest challenges. The network of alumni, known as T-birds, comprises 45,000 graduates and 170 chapters around the globe.

Thunderbird's Bachelor of Global Management is also offered in a flexible online format. Students should visit <https://asuonline.asu.edu/online-degree-programs/undergraduate/global-management-bgm/> (<https://asuonline.asu.edu/online-degree-programs/undergraduate/global-management-bgm/>) for more information.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Leadership and Management, MALM
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/global-management-bgm/>)

**Change of Major Requirements:**

Current ASU students who would like to change their major to global management must have a minimum cumulative GPA of 2.00.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TBTGMBGM-null + &college=CTB>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

As the global economy continues to face volatility and disruption as it expands and interconnects, demand for globally-minded specialists is rapidly increasing. Graduates of the Bachelor of Global Management program have a variety of globally transferable skills that open doors to an abundance of career opportunities around the world in the following fields:

- compliance manager
- foreign service officer
- general manager
- manager of a nonprofit organization
- marketing manager
- regulatory affairs manager

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu/>  
FAB N290  
[ugadvising@thunderbird.asu.edu](mailto:ugadvising@thunderbird.asu.edu)  
602-543-0029

## International Trade, BS (TBINTRABS)

**Campus:** West, Online

**Program Description:**

Thunderbird's STEM-designated BS program in international trade provides rigorous training for a career in global commerce.\*

The Bachelor of Science in international trade provides talented, driven students the exposure to the global business environment that will distinguish them in the workforce. Students learn the functional disciplines of international business while gaining an in-depth understanding of the political, cultural and economic aspects of doing business on a global scale and in international markets in which government regulations vary widely from country to country.

Supported by Thunderbird's training that builds a global mindset, students gain tools for managing supply chains, systematically assessing risk, exporting and importing goods and services, and using economic agreements to develop effective strategies for conducting international trade.

**The Thunderbird Difference**

This program is unique in allowing students to learn new skills needed for a career in international trade through comprehensive, hands-on training and to apply these skills during a local, national or international internship. Along with real-world learning experiences that open up global career opportunities, students attend courses taught by outstanding Thunderbird graduate school faculty and enjoy unique opportunities to learn from fellow students from around the world.

Graduates of this program possess the intercultural skills and global mindset needed to do business or take on a leadership role in any part of the

world. Employers hire Bachelor of Science in international trade graduates for their proven ability to develop effective strategies for international trade and exporting goods and services.

Thunderbird graduates join a renowned global network of Thunderbird alumni working in all parts of the world, in all industries and sectors. T-birds make a difference everywhere they go, and their careers can take them anywhere.

Thunderbird's Bachelor of Science in International Trade is also offered in a flexible online format. See <https://asuonline.asu.edu/online-degree-programs/undergraduate/international-trade-bs/> (<https://asuonline.asu.edu/online-degree-programs/undergraduate/international-trade-bs/>) for more information.

\*As a bonus for international students, this program meets special F-1 international student status requirements. This means that international students who graduate with the Bachelor of Science in international trade degree qualify for a 24-month extension to their Optional Practical Training in the United States beyond the 12 months already provided to international students in non-STEM degrees.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Business (Global Logistics Management), BA

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Applied Leadership and Management, MALM
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Students interested in the international trade and business (global logistics management) program must meet general university admission requirements.



Transfer students wishing to pursue the concurrent degree combination must have a cumulative transfer GPA of 3.00 and a cumulative ASU GPA of 3.00 (if applicable) in addition to meeting the general admission requirements in order to be admitted to this program. If the student does not meet the admission requirements for the concurrent program, they will be placed in the BS in international trade.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/international-trade-bs/>)

**Change of Major Requirements:**

Current ASU students who would like to change their major to international trade must have a minimum cumulative GPA of 2.00.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TBINTRABS~null + &college=CTB>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

In the increasingly globalized economy, the dramatic expansion of international trade has created tremendous opportunities for global business. Thunderbird's Bachelor of Science in international trade prepares students for a career in this growing field in which skilled managers are in demand all over the world. Trained negotiators with a strong grasp of economics and politics on an international level are more valuable than ever to employers operating across borders. Thunderbird's rigorous curriculum and renowned faculty prepare students for a leadership position in a wide range of career fields.

Students in this program master a repertoire of globally transferable skills that open doors to an abundance of opportunities such as:

- commodities broker
- country manager
- import and export agent
- international business development manager
- international market analyst
- international marketing manager
- international product or brand manager
- regional manager

Career examples include but are not limited to those shown. Advanced degrees or certification may be required for academic or clinical positions.

**Contact Information:**

Global Management, Thunderbird School of  
Thunderbird School of Global Management  
<https://thunderbird.asu.edu/>  
FAB N280  
UGAdvising@thunderbird.asu.edu  
602-543-3000

## Health Solutions, College of

### Applied Science (Food and Nutrition Entrepreneurship), BAS (ECNTRBAS)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The BAS degree program with a concentration in food and nutrition entrepreneurship complements and enhances the educational preparation of students holding an AAS degree in culinary or hospitality science, diet technology or sustainable food systems.

**Additional Program Fee:** Y

**Second Language Requirement:** N**First Required Math Course:** MAT 142 - College Mathematics**Program Math Intensity:** General**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)Transfer (<https://admission.asu.edu/transfer/apply>)International (<https://admission.asu.edu/international/undergrad-student>)Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree. This program is not available to freshmen.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/applied-science-nutrition/>)**Change of Major Requirements:**

Only students who have completed an Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.**Transfer Options:**ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRBAS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.**Career Opportunities:**

This degree program prepares students for careers in food production, service, management and marketing. With additional education or professional training, students may also become credentialed as:

- certified dietary managers
- registered sanitarians
- school food service and nutrition specialists

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Applied Science (Health Sciences), BAS (NUHSCBAS)

**Campus:** Downtown Phoenix, Polytechnic, West, ASU@Yavapai, Online**Program Description:**

The BAS degree program allows students who have an applicable AAS degree from an accredited institution to transfer 60 credit hours toward a bachelor's degree at ASU. The Bachelor of Applied Science program with a concentration in health sciences is for students entering the health and health care workforce at a variety of levels.

Students in the program learn about health care systems and how these systems are financed and structured. Leadership and professionalism are highlighted, along with the role of providers in delivering evidence-based care. Students develop ethical and effective communication skills, analyze today's challenges and develop innovative solutions that prepare them for careers in the health care workforce.

**Additional Program Fee:** Y

**Second Language Requirement: N****First Required Math Course:** MAT 142 - College Mathematics**Program Math Intensity:** General**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)Transfer (<https://admission.asu.edu/transfer/apply>)International (<https://admission.asu.edu/international/undergrad-student>)Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students applying to this program must have completed an AAS degree. This program is not available to freshmen.

Transfer Admission Requirements:

The BAS program is specifically for those who have earned an Associate of Applied Science degree from a regionally accredited institution.

Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. In completing the bachelor's degree program, students fulfill all ASU graduation requirements.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-applied-science-health-sciences/>)**Change of Major Requirements:**

Only students who have earned a Associate of Applied Science are eligible to change their majors to this degree program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.**Transfer Options:**ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCBAS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.**Career Opportunities:**

Graduates can return to their original area of expertise in allied health (i.e., radiology, nuclear imaging) and qualify for a managerial position, be an educator or instructor within their field of expertise, or qualify for a higher-grade position within their current place of employment.

Other career options include positions such as:

- elder services program coordinator
- health and patient educator
- health maintenance organization or insurance company client coach
- Healthy Start coordinator
- home health care coordinator
- long-term care health and wellness coordinator
- school health and program specialist
- women, infants, children and community nutrition aide

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/applied-science-health-sciences>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

**Campus:** Downtown Phoenix

**Program Description:**

The BAS program in applied science with a concentration in medical laboratory sciences provides the academic knowledge and professional skills that enable students to advance their employment opportunities within the fields of medical technology, cytology, clinical laboratory science and related areas.

Medical laboratory scientists, also known as clinical laboratory scientists, are highly skilled professionals who perform analytical tests on blood, tissue and body fluids to provide laboratory information for the detection, diagnosis and treatment of human diseases. These professionals work independently using skills and knowledge that are greater in depth and breadth compared to those of medical laboratory technicians, who typically are graduates of a two-year or community college program. In addition, there is a growing trend for medical laboratory scientists to perform wellness laboratory testing aimed at preventing disease.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Science, 5600 N. River Rd, Suite 720, Rosemont, IL, 60018, <https://www.naacls.org/> (<https://www.naacls.org/>).

Additional information including the program handbook and course guide can be found on the program website at <https://chs.asu.edu/programs/applied-science-medical-laboratory-science> (<https://chs.asu.edu/programs/applied-science-medical-laboratory-science>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Only students who have been admitted through Phoenix College and who have completed the prerequisite coursework, verified by the program director or program advisor, are eligible to apply to this program. The following requirements are a part of the application process and are included in the separate program application, released to those who are considered eligible during a specified application cycle:

- Gain admission to Phoenix College.

Complete the program application, which should include:

- student information
- coursework
- immunizations
- proof of basic life support or CPR certification
- fingerprint clearance card
- health declaration
- experience in medical laboratory sciences
- employment observation verification
- references
- Review and sign the checklist.

Submit the materials to:

CHS Student Services

Mail Code 9020 ATTN: MDL Program

Arizona State University

500 N 3rd St

Phoenix AZ 85004

- Apply to Arizona State University.

#### **Change of Major Requirements:**

Only students who have completed an Associate of Applied Science degree are eligible to declare a Bachelor of Applied Science major at ASU.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUMLSBAS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The Bureau of Labor Statistics reports that overall employment of medical laboratory scientists is projected to grow 11% from 2018 to 2028. This is much faster than the average of most occupations. As the overall population ages, there will be more demand for trained laboratory personnel to aid in the diagnosis of disease and to help manage medical conditions. The majority of medical laboratory scientists and technologists work in hospital laboratories and major reference laboratories.

#### **Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/applied-science-medical-laboratory-science>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## **Biomedical Informatics, BS (ESBMIBS)**

**Campus:** Downtown Phoenix, Tempe

#### **Program Description:**

Biomedical informatics is a multidisciplinary field that involves the generation, acquisition, management and analysis of biomedical and health data and its translation into information and knowledge for improving individual and population health.

The BS program in biomedical informatics curriculum includes biomedical informatics, computer science, biology, chemistry, mathematics and statistics. Students learn approaches to acquiring data, data management and knowledge representation, modeling and machine learning and using these capabilities to address problems in the biomedical and health domains. Students have the opportunity to do research alongside faculty who are experts in bioinformatics, imaging informatics, clinical informatics and population health informatics.

Graduates of the program have a broad set of biomedical informatics knowledge and skills enabling them to contribute to many areas of health and biomedicine in their future work.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biomedical Informatics, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMIBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with a degree in the rapidly expanding field of biomedical informatics are prepared for careers in a wide range of settings. They are employed in positions such as data science analysts, bioinformaticians, software engineers, and public health informatics scientists, among others. Those with interests in life sciences and technology may see this program as a unique way to combine the two. Others may find this degree the first step toward medical school or advanced medical research or to continued graduate-level study in biomedical informatics.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/about/academic-program-areas/biomedical-informatics-biomedical-diagnostics>

COOR 2nd floor

[chs@asu.edu](mailto:chs@asu.edu)

480-965-2374

## Dietetics, BS (NHDIETCSBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in dietetics is the required initial step in the education and training of the dietetics professional.

Coursework prepares students to apply for a dietetic internship, which is required to sit for the registration exam to become a registered dietitian. In addition to nutrition courses, students complete a broad range of science, management and communication classes.

Beginning Jan. 1, 2024, prior to sitting for the registration exam, students will be required to have a master's degree in addition to completing a dietetic internship. This is a change implemented by the credentialing body for registered dietitians, the Commission on Dietetic Registration, and will be a nationwide requirement. More information can be found at <https://www.eatrightpro.org/about-us/become-an-rdn-or-dtr/dietetic-careers> (<https://www.eatrightpro.org/about-us/become-an-rdn-or-dtr/dietetic-careers>).

ASU's bachelor's degree program in dietetics is accredited as a Didactic Program in Dietetics by the Accreditation Council for Education in Nutrition and Dietetics, 120 S. Riverside Plz., Ste. 2190, Chicago IL 60606-6995; phone: 800-877-1600, ext. 5400.

**Additional Program Fee:** Y

**Second Language Requirement: N****First Required Math Course:** MAT 117 - College Algebra**Program Math Intensity:** Moderate**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)Transfer (<https://admission.asu.edu/transfer/apply>)International (<https://admission.asu.edu/international/undergrad-student>)Readmission (<https://admission.asu.edu/undergrad/readmission>)**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.**Transfer Options:**ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHDIETCSBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.**Career Opportunities:**

The nutrition and dietetics field provides employment opportunities in a variety of areas:

- client consultation, including for diabetes management or weight loss
- education
- food and nutrition industry
- food and nutrition marketing and sales
- nutrition and health promotion
- school food service

Graduates may find opportunities in environments such as hospitals and other health care facilities or public health agencies.

Most with this degree pursue further education and careers such as:

- dietetic technician, registered
- registered dietitian or nutritionist
- school nutrition specialist

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/dietetics-bs>

HLTHN 4th floor

chs@asu.edu

602-496-3300

## Exercise and Wellness, BS (ECXERBS)

**Campus:** Downtown Phoenix**Program Description:**

Those with a passion for exercise and health can help optimize people's lives with the BS program in exercise and wellness.

In the BS in exercise and wellness degree program, students develop strong foundational knowledge in exercise physiology, functional anatomy, kinesiological principles, the psychological aspects of physical activity, and electrocardiology. They develop expertise in health, exercise and fitness testing through hands-on experience in labs with state-of-the-art exercise, metabolic and cardiopulmonary equipment.

Upper-division and special topics courses dive deeper into the physiology and exercise prescription for those with chronic cardiovascular, metabolic or neuromuscular conditions, preparing students to prevent, treat or reverse many of these conditions.

Students gain the knowledge necessary for passing NCCA-accredited certifications for exercise physiology and for pursuing Level 2 Exercise Is Medicine credentialing by the American College of Sports Medicine.

The Bachelor of Science in exercise and wellness can also be a springboard into medical school or professional graduate programs in fields such as physical therapy and occupational therapy.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Clinical Exercise Physiology, MS

Physical Activity and Health, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECXERBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program prepares students to become exercise physiologists, an occupation with a faster than average growth rate according to the U.S. Bureau of Labor Statistics. Exercise physiologists promote, design and deliver evidence-based exercise programs to improve outcomes for clients with cardiovascular, pulmonary, metabolic or neuromuscular conditions and those with developmental or physical disabilities.

Graduates may work as exercise physiologists in cardiac rehab, clinical exercise specialists, exercise scientists, or weight management consultants; these are just a few options from among many career paths.

Graduates of this program may pursue employment in locations such as:

- cardiac rehabilitation facilities
- corporate wellness firms
- health care agencies and medical centers
- hospitals
- lifestyle and weight management consulting firms
- medical fitness centers
- nonprofit disease prevention agencies (e.g., American Heart Association)
- outpatient fitness centers



- university fitness and wellness centers

Specialty areas may include:

- bariatric weight loss (counseling and pre- or post-surgery fitness training)
- cancer patient exercise specialist
- cardiac rehabilitation
- corporate fitness and worksite wellness
- exercise and weight counseling and management

Possible careers titles may include the following:

- bariatric weight loss counselor
- cardiac rehabilitation specialist\*
- exercise physiologist
- exercise scientist
- exercise specialist
- fitness center director or coordinator
- group exercise specialist
- health fitness specialist
- inclusive fitness trainer
- lifestyle and weight management consultant
- occupational therapist\*
- personal trainer
- recreational therapist\*
- worksite wellness coordinator or counselor

\*Advanced degrees or certifications may be required for academic or clinical positions.

Students are well prepared for admission into graduate programs in clinical exercise physiology, obesity prevention and management, rehabilitative fields (e.g., physical therapy, occupational therapy) and medicine.

**Contact Information:**

Health Solutions, College of  
 College of Health Solutions  
<https://chs.asu.edu/programs/exercise-and-wellness-0>  
 HLTHN 401AA  
 chs@asu.edu  
 602-496-3300

## Exercise and Wellness (Fitness and Wellness Specialist), BS (ECXWBS)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Interested students should apply to the BS program in exercise and wellness.

**Program Description:**

The BS program in exercise and wellness provides students with the knowledge and practical skills necessary for assisting individuals in reaching optimal health.

Students are prepared to pursue nationally recognized and credentialed certifications provided by professional organizations in fields of study related to physical activity, strength and conditioning or exercise physiology. The exercise and wellness student is also well prepared, with the addition of the prerequisite courses, to continue into graduate schools required for careers in physical therapy, occupational therapy, athletic training or other medical fields.

The exercise and wellness program consists of a carefully designed curriculum emphasizing:

- competency in the instruction of basic and advanced techniques related to flexibility, resistance training and cardiovascular exercise
- competencies required to attain advanced level certifications from professional associations in the field
- foundational knowledge of exercise physiology and applied kinesiology
- methods to understand and help improve individuals with regard to their health behavior choices
- skills in assessing and interviewing clients in preparation for fitness and wellness programming
- skills in designing and manipulating program variables to work with apparently healthy or symptomatic individuals

Students in the exercise and wellness degree program also have the ability to enroll in courses that will enhance their abilities to work with high performance athletes, obese individuals or those at risk for suffering from other hypokinetic diseases.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

or MAT 170 Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECXWBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Employment of fitness and wellness professionals is expected to grow by up to 24% through 2020, much faster than other occupations, driven by efforts to reduce health care costs by teaching people about healthy behaviors. The need for exercise and wellness programming and facilities increases the need for workers in these areas.

Students who complete the exercise and wellness degree have enhanced opportunities in fitness and wellness employment settings because clients and employers prefer to work with people who are more highly prepared and qualified.

Undergraduates in this concentration often pursue careers in such fields as:

- clinical exercise
- corporate fitness
- fitness management
- personal training
- sports performance
- wellness center management

Students may also pursue further graduate study in such fields as:

- athletic training\*
- cardiac rehabilitation\*
- occupational therapy\*
- physical therapy\*
- physician assistant\*

\*Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/exercise-and-wellness-0>

HLTHN 401AA

chs@asu.edu

602-496-3300

## Exercise and Wellness (Strength and Conditioning Specialist), BS (NHEXWSCBS)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Interested students should apply to the BS program in exercise and wellness.

### **Program Description:**

The strength and conditioning specialist concentration is designed for students who want to work with active or athletic populations, including sport and tactical occupations. These students may work with high school, college or professional sports organizations in scholastic or private sports performance training facilities, with tactical sports performance clients (e.g., military, police, firefighters, EMT) in municipal or government-run facilities or with individual clients participating in more active, higher intensity-based fitness programs.

Students in this concentration are exposed to applied assessment labs and practical fieldwork to gain the knowledge they will need to be competent coaches in this field.

Graduates are prepared to sit for the Certified Strength and Conditioning Specialist or the Tactical Strength and Conditioning-Facilitator examinations offered by the National Strength and Conditioning Association (<https://www.nscs.com> (<https://www.nscs.com>)) at the completion of their coursework. Students interested in careers in the field of sports medicine (athletic trainers, sports physical therapists, orthopedic surgeons, etc.) may also benefit from the coursework to provide an understanding of the training programs that accompany sports participation.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

or MAT 170 Precalculus

**Program Math Intensity:** Moderate

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHEXWSCBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Many graduates of this program go onto careers which include:

- athletic trainer\*
- fitness center director
- group exercise specialist
- personal trainer
- physical therapist\*
- physical therapy technician
- sports performance coach
- sports performance director
- sports scout
- tactical performance coach

\*Additional prerequisites and post-graduate degrees are required.

### **Contact Information:**

Health Solutions, College of

INACTIVE School of Nutrition and Health Promotion

<https://chs.asu.edu/programs/exercise-and-wellness-0>  
HLTHN 401AA  
chs@asu.edu  
602-496-2644

## Food and Nutrition Entrepreneurship, BS (NHFNUENBS)

**Campus:** Downtown Phoenix, Online

### Program Description:

The BS in food and nutrition entrepreneurship addresses significant and ongoing changes in the food industry by preparing students with sound nutrition principles and business acumen that will enable them to competitively participate in a growing field.

The program encompasses important areas of knowledge and skills for future nutrition entrepreneurs, whether they intend to innovate within an organization or launch a food or nutrition-related business. Key topics include how to develop an online presence, supported by evidence-based principles, thorough social media, blogging, podcasting and video; how to launch nutritionally sound startups and businesses for individual practice and consulting; and how to innovate within the food industry through research and development.

Experiential learning is integrated into the curriculum; students have opportunities to work with specialists in food and nutrition entrepreneurship in order to gain practical experience, build professional relationships and establish a foundation and direction for their careers after graduation.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/food-and-nutrition-bs/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHFNUENBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates are prepared for careers in the delivery of products and services, research and development, management of food service and sustainable food systems, and in nutrition and health communication and promotion. They also have capabilities to launch startups and businesses focused on individual practice, consulting and new product and service development.

### Contact Information:

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/>  
HLTHN 401AA  
CHS@ASU.EDU

## Health Education and Health Promotion, BS (NHHEHPBS)

**Campus:** Downtown Phoenix, ASU@Lake Havasu, Online

### Program Description:

Working alongside clinicians, health agency directors and community leaders, health education specialists are catalysts for improving health for individuals and communities. The BS in health education and health promotion provides students a pathway for becoming a certified health education specialist through the National Commission for Health Education Credentialing (<https://www.nchec.org/> (<https://www.nchec.org/>)).

This program provides professional preparation in population-based approaches to improve health outcomes, including school and community health education. Students pursuing a bachelor's degree in health education and health promotion gain foundational knowledge in health promotion program planning, implementation, evaluation, health education and health advocacy. These skills can be applied to society's most pressing health challenges, including improving the food and built environments to promote health, providing sexual health education, and preventing substance abuse, violence, injuries and infectious diseases.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
or MAT 117 College Algebra

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The Downtown campus is available to all students who meet university admission standards.

The West campus is only available to students who will be first-time freshmen, defined as those who have earned 12 college credit hours or fewer at the time of admission.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-education-and-health-promotion/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHHEHPBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Health education and health promotion professionals fill a critical role as they teach individuals how to stay well by living healthy lifestyles, and they help mobilize communities to create healthy environments through policy, advocacy and environmental change. Based on a random sample of community health job advertisements from 2017, health professionals with the CHES credential earn up to a 47% higher salary than health professionals without it. Health education specialists can also work as clinical educators.

The health education specialist pathway offers growth opportunities, as certified specialists are eligible to become master certified health education

specialists after five years of practice, and MCHES are eligible to become certified diabetes educators.

Graduates of this degree program can also pursue further graduate study in such fields as:

- community health
- health education
- health promotion
- health psychology
- medicine and dentistry (with additional elective sciences)
- occupational therapy
- physical therapy
- physician assistant
- public health
- social work

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/home>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Health Sciences, BS (NHHSCBS)

**Campus:** Downtown Phoenix, Polytechnic, West, Online

**Program Description:**

The BS program in health sciences provides students with the academic knowledge and skills that allow them to move directly into a range of employment opportunities within the health field or to continue their education in discipline-specific programs.

Students choose a track focus in either community-based health outcomes; health legislation and regulation; integrated care; or language, speech and communication.

A limited number of students each year may apply to pursue the echocardiography certificate through Mayo Clinic. Once the certificate is successfully completed, students may transfer the credits to Arizona State University and those credits may be applied toward completion of the Bachelor of Science in health sciences. Students interested in this option should seek advising before starting this track.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra  
or MAT 142 College Mathematics

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the Academic Catalog Archive 2021-2022

program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/health-sciences-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHSCBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to enter the health field or health care workforce, in any of a variety of capacities including indirect and direct patient and community care roles.

Career options include positions such as:

- elder services program coordinator
- health and patient educator
- health maintenance organization or insurance company client coach
- Healthy Start coordinator
- home health care coordinator
- long-term care health and wellness coordinator
- school health and program specialist
- women, infants, children and community nutrition aide

Graduates also may choose to pursue advanced degree programs in various discipline-specific medical fields.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Health Sciences (Health Policy), BS (NUHSCHPBS)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Interested students should apply to the BS in health sciences or the BS in the science of health care delivery.

**Program Description:**

The BS program in health sciences is designed to provide the academic knowledge and skills that allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. Students complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness.

The health policy program is designed for students interested in the community policy aspects of disease prevention and health promotion. The continuum of health care now spans a diverse array of health providers ranging from private practitioner offices and outpatient care centers to residential care facilities and acute care hospitals. Key to the enhancement of health care within the U.S. is the development and implementation of innovative, cost-effective and universally accessible programs.

Students in this concentration are required to complete a supervised practicum, providing hands-on experience within their field of interest. Students may also wish to consider using their electives to complete a minor in nonprofit administration, which requires 15 credit hours.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The Downtown campus is available to all students who meet university admission standards.

The West campus is only available to students who will be first-time freshmen, defined as those who have earned 12 college credit hours or fewer at the time of admission.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCHPBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are available in city, county and state departments of health, with additional employment opportunities in the health insurance industry, nonprofit sector and within various corporate entities providing health care.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Health Sciences (Healthy Lifestyles and Fitness Science), BS (NUHSCHLCBS)

**Campus:** Downtown Phoenix, Polytechnic, West, Online

This program's name has changed effective Fall 2021. The previous name was Health Sciences (Healthy Lifestyles Coaching).

**Program Description:**

The Bachelor of Science in health sciences with a concentration in healthy lifestyles and fitness science provides students the skills they need for employment in health and wellness fields or for continuing their education in graduate and professional school.

Students train for work in preventive health care and learn how to use lifestyle coaching, physical activity and health care education to improve the health of the communities they serve. They learn best practices in health promotion to help people adopt and maintain healthier habits and address the challenges reflected by socio-economic determinants of health. Students study diverse disciplines such as nutrition, fitness, stress management, substance abuse, behavior change and coaching psychology.

Students who complete this degree and one additional course are eligible for national certification for health and wellness coaches offered by National Board for Health and Wellness Coaches: <http://www.nbhwc.org> (<http://www.nbhwc.org>). After successful completion they may sit for nationally accredited certification in health and fitness, such as American College of Sports Medicine's certification for personal trainers: <http://www.acsm.org> (<http://www.acsm.org>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics



## **Program Math Intensity:** General

### **Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-sciences-healthy-lifestyles-coaching/>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCHLCBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

According to the U.S. Bureau of Labor Statistics, employment for health coaches and health educators is projected to grow 21% between 2012 and 2022, faster than the average for all occupations. Growth is driven by efforts to improve health outcomes and reduce health care costs by teaching people about healthy habits and behaviors and utilization of available health care services.

Health, wellness and fitness coaches work in hospitals and health care facilities, schools, public health departments, nonprofit organizations, prevention agencies (e.g., American Heart Association), lifestyle and weight management consulting firms, outpatient fitness centers, university fitness and wellness centers, and private businesses.

Specialty areas may include:

- bariatric weight loss clinic counseling and management
- corporate fitness and worksite wellness

Career options include positions such as:

- elder service or congregate meal program coordinator
- fitness center director
- group exercise specialist
- health and patient educator
- corporate wellness coordinator
- personal training
- physical therapy technician
- school health and nutrition program specialist
- women, infants, children, and community nutrition aide
- worksite wellness coach or coordinator

Graduates are also well prepared for admission into graduate programs in health promotion, population health, lifestyle management, integrative health, health administration, psychology and medicine.

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/health-sciences-healthy-lifestyles-coaching>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## Health Sciences (Pre-professional), BS (NUHSCPREBS)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Interested students should apply to the BS in medical studies or the BS in nutrition with a concentration in human nutrition.

**Program Description:**

The BS program in health sciences is designed to provide students the academic knowledge and skills they need to move directly into a range of employment opportunities within the health field or to continue their education in discipline-specific programs.

The preprofessional program is designed for students planning to enter medical, dental, osteopathic, physical therapy, veterinary, pharmacy and similar professional schools. In addition to a comprehensive core of basic science courses, the concentration is unique in that it provides a solid base in ethics; communication; the evaluation of research (the cornerstone of evidence-based practice); and healthy lifestyles (the foundation of health promotion and chronic disease risk reduction avenues of health care), including the role of complementary and alternative care within the U.S. health care system. Students have the ability to incorporate electives that contribute to their knowledge of and sensitivity to the needs of populations impacted by health disparities.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCPREBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for entrance into an advanced degree program in the medical field. Their immediate employment opportunities include:

- clinical research coordinator
- health officer
- sales and marketing representative (pharmaceutical or medical device companies)

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/home>  
HLTHN 401AA  
chs@asu.edu

## International Public Health, BIPH (NHIPHBIPH)

**Campus:** Online

### Program Description:

The BIPH builds and strengthens the international public health workforce using coursework from two leading universities: ASU and the University of New South Wales in Sydney, Australia.

Aligned with U.S. accreditation standards in public health, the Bachelor of International Public Health program teaches new approaches to public health issues, including health promotion, communicable disease prevention, environmental health, public health surveillance and global health management. Students develop a holistic, equitable, ethical and sustainable approach to public health practice, collaborating with diverse stakeholders to develop and implement strategies to ensure health for all.

Students have the opportunity to study abroad through faculty-led global intensive experiences as well as semester, summer and spring break programs.

In their final year, students complete a capstone experience in their area of interest, which prepares them for their career of choice.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-international-public-health/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHIPHBIPH~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The most recent report of the United Nations High-Level Commission on Health Employment and Economic Growth described the importance of a global workforce that will support the creation of 40 million new jobs by 2030, particularly in low- and middle-income countries. Critical needs include global health policy, data and informatics, quality and process improvement, ethics, economics and community-based care.

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

Specific career titles include:

- education coordinator
- health coach

- program coordinator
- program manager
- program officer
- project analyst
- research associate

Commonly cited hiring organizations include the Peace Corps, the United States Agency for International Development, the Centers for Disease Control and Prevention, the United Nations Children's Fund, other nongovernmental organizations, and state and federal agencies.

**Contact Information:**

Health Solutions, College of  
 College of Health Solutions  
<https://chs.asu.edu/programs/international-public-health>  
 HLTHN 401AA  
 chs@asu.edu  
 602-496-3300

**Kinesiology, BS (NUKINBS)**

**Campus:** Downtown Phoenix, ASU@Lake Havasu

**Program Description:**

A BS in kinesiology provides students with a deep understanding of how the human body works. The program prepares students for graduate study in physical or occupational therapy, physician assistant programs, medicine and other health-related professional programs.

In kinesiology, all aspects of human function are studied from the perspective of human movement. The rigorous curriculum provides a scientifically inclusive approach to human movement, studying mechanical, anatomical, neural, developmental, physiological and psychological mechanisms. This gives students in the program a well-rounded understanding of all aspects of human function as it pertains to movement and exercise.

Students in the program have opportunities to work one-on-one with faculty.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Clinical Exercise Physiology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUKINBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

An undergraduate degree in kinesiology prepares students for graduate study in a variety of clinical and research occupations including:

- athletic trainer
- biomechanist
- chiropractor
- clinical exercise physiologist
- dentist
- occupational therapist
- pharmacist
- physical therapist
- physician
- physician assistant
- prosthetist or orthotist

#### **Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/kinesiology>  
HLTHN 401AA  
CHS@asu.edu  
602-496-3300

## **Medical Studies, BS (NHMEDBS)**

**Campus:** Downtown Phoenix, Polytechnic, West

#### **Program Description:**

The BS in medical studies program provides students with the opportunity to meet the prerequisites for medical and professional school, including medicine (MD, DO and naturopathic), dentistry, physician assistant programs, pharmacy, occupational therapy, optometry and others, and prepares the student for required postgraduate entrance exams, including the revised MCAT.

Students can customize the medical studies degree to meet the prerequisites of the health professions programs for which they intend to apply. Students have the opportunity to learn directly from health care providers who are currently practicing in the field, and they can select clinically related internships or electives during their junior year.

This degree program integrates communication, ethics, critical thinking, teamwork and leadership, all of which are essential competencies for members of today's health care teams.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU

(<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=NHMEDBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates are academically prepared, well-rounded and adept in skills for a number of exciting careers in the allied health fields, dentistry or medicine, education, government, health care industries or nonprofit organizations.

Positions could include:

- community health worker
- project coordinator
- research assistant
- sales or marketing representative (e.g., medical device or pharmaceutical industry)

They also are well prepared to pursue postgraduate health degrees, resulting in a career as a:

- chiropractor
- dentist
- naturopathic physician
- optometrist
- pharmacist
- physician
- physician assistant
- podiatrist
- public health professional

#### **Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/medical-studies>  
HLTHN 401AA  
chs@asu.edu  
602-496-3300

## **Nutrition, BS (NHNTRBS)**

**Campus:** Downtown Phoenix, Online

ASU is no longer accepting new students to this program. Students interested in nutrition should apply to the Food and Nutrition Entrepreneurship BS (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NHFNUENBS/undergrad/false>) program.

#### **Program Description:**

The BS in nutrition program includes exploration of important emerging topics, including developing an evidence-based online presence through social media, blogging and podcasting; creating stand-alone businesses in nutrition, such as individual practices and consulting programs; and entrepreneurship in the food industry through development of new products and services.

Experiential learning is integrated into the program's curriculum; students have opportunities to work with external stakeholders and community partners specializing in food and nutrition entrepreneurship to gain real-world experience, develop professional relationships and establish a foundation and direction for their future careers.

This program prepares students to work in the expanding field of food and nutrition related entrepreneurial ventures and program initiatives. Graduates are poised to meet the demands within food and nutrition industries for the application of valid nutritional concepts.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nutrition/>)

#### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHNTRBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Nutrition graduates are prepared for careers within companies looking to innovate in the delivery of products and services, research and development, management of food service and sustainable food systems, and nutrition and health communication and promotion, as well as have capabilities to launch startups and businesses focused on individual practice, consulting, and new product and service development.

There are a wide array of career opportunities available for graduates of this program. Advanced degrees or certifications may be required for some positions.

#### Contact Information:

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Nutrition (Dietetics), BS (ECNTRDBS)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

#### Program Description:

The BS in nutrition with a concentration in dietetics prepares students with the required coursework and skill set to apply for a dietetic internship required to sit for the registration exam to become a registered dietitian, which is a food and nutrition expert. In addition to a core of professional nutrition courses, students complete a broad range of science, management and communication classes. The program emphasizes the application of nutrition within clinical, community, food production and wellness areas.

More information about this credential and the requirements for this credential can be found at <https://www.eatrightpro.org/about-us/become-an-rdn-or-dtr/dietetic-careers> (<https://www.eatrightpro.org/about-us/become-an-rdn-or-dtr/dietetic-careers>).

ASU's bachelor's degree program in nutrition with a concentration in dietetics is accredited as a Didactic Program in Dietetics by the Accreditation Council for Education in Nutrition and Dietetics, 120 S. Riverside Plz., Ste. 2190, Chicago IL 60606-6995, phone: 800-877-1600, ext. 5400.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

## **Program Math Intensity:** General

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRDBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

The nutrition and dietetics field provides employment opportunities in fields such as:

- consulting
- education
- food and nutrition marketing and sales
- nutrition and health promotion
- school food service

Graduates may find opportunities in environments such as:

- hospitals and other health care facilities
- public health agencies

### **Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## **Nutrition (Food and Nutrition Management), BS (ECNTRMBS)**

**Campus:** Downtown Phoenix, Online

ASU is no longer accepting new students to this program. Students interested in this program should apply to the BS in food and nutrition entrepreneurship (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NHFNUENBS/undergrad/false>).

### **Program Description:**

The BS program in nutrition with a concentration in food and nutrition management provides students with the ability to apply nutrition principles to food production. This concentration is designed to provide students with an understanding of the food industry to manage and market food and develop a food or menu that meets a specific nutritional guideline.

Coursework focuses on a strong foundation in food purchasing, production and planning. Additional coursework in management, marketing and nutrition prepares students for a variety of food service positions. Graduates can also pursue the credentials of certified dietary manager, school nutrition specialist or registered sanitarian.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General



**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRMBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

According to the National Restaurant Association, the number of food service managers is projected to increase by 15% in the next 10 years. This degree prepares students to become food service directors at schools, health care facilities and corporate food service operations. Graduates of the program aspire to own restaurants or nutrition-related businesses, work in supplement or pharmaceutical sales, or work in food marketing and distribution.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Nutrition (Human Nutrition), BS (ECNTRHBS)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The BS program in nutrition with a concentration in human nutrition provides students with a strong foundation in nutrition and science that prepares them for careers in public or community health programs and clinical or graduate research programs.

In addition to providing a strong foundation in medical nutrition therapy, the coursework includes anatomy, physiology, chemistry and microbiology. Students gain knowledge of nutritional concepts that health care professionals sometimes lack.

Students from this program have gone on to study:

- dentistry
- medicine
- naturopathic medicine
- optometry and podiatry
- osteopathic medicine
- pharmacy

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRHBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

The nutrition field provides employment opportunities in:

- education
- food and nutrition marketing and sales
- food service
- health care
- nutrition and health promotion and consulting
- public health

Graduates of the human nutrition program often go on to apply to medical school or another health profession. The area of nutrition research is also a good fit for human nutrition majors.

Advanced degrees or certifications may be required for academic or clinical positions.

#### Contact Information:

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Nutrition (Nutrition Communication), BS (ECNTRCBS)

**Campus:** Downtown Phoenix, Online

ASU is no longer accepting new students to this program. Students interested in this program should apply to the BS in food and nutrition entrepreneurship (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NHFNUENBS/undergrad/false>).

#### Program Description:

The BS in nutrition with a concentration in nutrition communication is designed to help students become experts in communicating health and nutrition content. This concentration was originally developed in collaboration with the Walter Cronkite School of Journalism and Mass Communication.

Nutrition courses provide the content for articles students write in their communication-related classes. This degree program provides students with a strong understanding of the scientific method, statistics, nutrition, health care and wellness that many traditional journalists lack. Faculty members teach students how to avoid sensationalism and how to avoid sacrificing reality to get a better story.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRCBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The nutrition communication field offers employment opportunities with:

- community and health care agencies
- magazines
- newspapers
- private corporations (public relations firms)
- web-based companies

With this degree, graduates can pursue careers as:

- authors
- consultants in program or product development
- freelance writers for newspapers and magazines
- public relations representatives for food and beverage companies

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/home>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Nutritional Science, BS (NHNUSCIBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in nutritional science provides students with a strong foundation in nutrition, biological sciences, research methods, and prevention and treatment of health issues. With two different tracks for nutrition research or integrative nutrition, this program prepares students for careers in a variety of fields.

The integrative nutrition track establishes a strong basis in evidence-based nutrition practices, nutritional interventions across the human lifespan, and both individualized and community approaches to improving human health. The track prepares students for careers in a variety of health care settings including naturopathic medicine.

With the nutrition research track, students can expect to engage in coursework that integrates evidence-based nutrition with anatomy, physiology, chemistry and microbiology to prepare them for clinical or graduate research programs and careers in research. This track allows students to work alongside faculty while gaining hands-on experience in nutrition research.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

or MAT 170 Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHNU SCIBS-null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students from this program can find job opportunities in clinical and life sciences research, medicine, naturopathic medicine, molecular and cellular biology, industry research and development, dentistry and pharmacy.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/by-academic-program-area/nutrition>

HLTHN 401AA

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Population Health, BS (NHPOPHLBS)

**Campus:** Downtown Phoenix, West

**Program Description:**

The BS in population health program integrates the fields of public health and health care delivery to teach students about the factors that impact health.

Students learn how social determinants of health, access to care and infrastructure influence the health of defined groups, as well as the roles of stakeholders and how to work across systems to improve health. Students benefit as the field of population health requires training in disciplines fundamental to the College of Health Solutions, including biomedical informatics, economics, social determinants of health, program and community assessment, program planning, and health care delivery.

The multidisciplinary program features experiential learning, including student engagement as citizen scientists, to better understand population health. Students can customize their learning by focusing on environmental health systems, food systems, mental health systems, compliance in the health care industry, health education programs, the design and improvement of population health systems, or health informatics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHPOPHLBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Multiple career opportunities exist for students majoring in population health, depending on the areas of expertise that students develop via core training in population health and the track that the student pursues. Students who pursue the biomedical information track, for example, will be most qualified for positions that require working with a variety of datasets, while students who choose the health education specialist track will be trained to work at the interface of health care and public health.

Specific job titles that currently exist for those trained in population health include:

- health care data analyst
- population health analyst
- population health community health worker
- population health coordinator
- population health practice liaison for population outreach
- population health specialist
- program coordinator
- population health research assistant

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/>

HLTHN 4th floor

[chs@asu.edu](mailto:chs@asu.edu)

602-496-3300

## Public Health, BS (NHPBHBS)

**Campus:** Downtown Phoenix

**Program Description:**

Public health practitioners reduce the incidence of communicable disease and occupational illness among the public with sanitation, safety and disease mitigation practices. This degree is for students interested in working at state, local and territorial health departments where responsibilities could include injury prevention; communicable disease control; advising the public; planning public programs; regulating health standards in businesses, hospitals and public spaces; and coordinating screening services.

The BS in public health teaches students the scientific foundation of public health by focusing on public health domains, namely:

- environmental health
- ethical and cultural appropriateness in public health practice

- infectious disease control
- national and local sanitation intervention implementation
- occupational health and safety
- urban and rural health procedures, statutes and regulations

An internship gives students practical experience in public health professions. Students are prepared for public health careers and graduate study in areas such as public health, population health and science of health care delivery.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
or MAT 117 College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHPBHBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program qualify for entry-level positions in public health education, sanitation and environmental control, public health administration, health promotion and similar areas. Employment opportunities are available within national, state or local health departments and in community clinics, community or private advocacy groups, health education programs and nonprofit organizations.

Popular positions include:

- community health workers: Liaise with officials to improve the quality and cultural competence of health care service delivery to the community or to vulnerable groups.
- environmental specialists: Investigate environmental health and food risks, advise the community on risk reduction and implement public health projects.
- occupational health and safety specialists: Inspect workplaces for adherence to regulations and design programs for injury and illness prevention.
- public health educators: Develop and implement strategies to improve the health of individuals and communities.
- sanitarians: Observe facilities to ensure minimal disease spread, develop protocols for hygiene and monitor the handling of waste.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/programs/public-health>

HLTHN 401AA

CHS@asu.edu

602-496-3300

**Campus:** Downtown Phoenix

**Program Description:**

The science of health care delivery is the study and design of systems, processes, leadership and management. This knowledge and these practices can be used to optimize health care delivery and health for all.

The BS in science of health care delivery provides undergraduate students foundational knowledge of health care administration and health policy grounded in concepts of leadership, social determinants of health, informatics, systems engineering and economics. Faculty are multidisciplinary tenure-track and clinically trained professionals who work together to create, teach and disseminate knowledge.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHHCDDBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are academically prepared, well-rounded and adept in skills necessary for a number of exciting careers in health care.

Job areas may include entry-level positions in health care administration, hospital administration, program management, policy, advocacy, system design, quality improvement and health services research. Opportunities may include positions in hospital systems, physician practices and clinics, patient navigation, the pharmaceutical industry, insurance companies, government and regulatory agencies, and health research organizations.

Graduates may pursue further education through graduate programs in areas such as health care delivery, administration and management.

**Contact Information:**

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/about/academic-program-areas/health-care-delivery>

HLTHN 401AA

CHS@asu.edu

602-496-3300

## Speech and Hearing Science, BS (LASHSBS)

**Campus:** Tempe, Online

The BS/MS accelerated option for this program is not currently available to ASU Online students.

### **Program Description:**

Students in the BS program in speech and hearing science study the normal aspects of the communication process. Emphasis is placed on the human communication system, including anatomy and physiology of the hearing and speech mechanisms; speech, language and hearing science; and normal development of speech and language production and perception. Upper division coursework introduces disorders of speech, language and hearing.

Students attain broad-based knowledge in the basic aspects of speech, language and hearing sciences, which prepares them for graduate study in audiology or speech-language pathology, or potential employment opportunities in related health and behavioral fields.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Auditory and Language Neuroscience, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/speech-and-hearing-science-bs/>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASHSBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Positions in speech-language pathology and audiology are in high demand, rated as careers with bright outlooks by the U.S. Department of Labor's Occupational Information Network. Employment opportunities for program graduates may include positions as:

- audiology assistants
- hearing aid or cochlear implant company representatives
- research assistants or associates in behavioral disciplines
- speech-language pathology assistants
- support personnel in rehabilitation or health facilities



Many graduates of speech and hearing sciences gain entrance into a graduate-level program in speech-language pathology or audiology. In both fields, a graduate degree is required for employment.

The undergraduate degree in speech and hearing science is also excellent preparation for those who wish to enter professional or graduate programs in fields such as:

- counseling
- education
- medicine
- rehabilitation
- social work
- special education
- teaching for the deaf

Graduates of speech-language pathology and audiology can work with children or adults with communication disorders in a variety of settings, including:

- clinics
- hospitals
- private practice
- schools, all levels of preschool through secondary

**Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/speech-and-hearing-science>  
HLTHN 401AA  
chs@asu.edu  
480-965-2374

## Sports Science and Performance Programming, BS (NHSPTSPPBS)

**Campus:** Downtown Phoenix

**Program Description:**

Supporting individuals at close to maximal effort requires specialized knowledge and skills. The BS program in sports science and performance programming prepares students to work with participants whose objective is maximizing their performance potential in sports, occupational and tactical environments.

The National Strength and Conditioning Association has identified a need for sports performance and tactical performance specialists to be more knowledgeable about human physiology and movement mechanics and the technologies used to provide feedback to coaches and participants. Graduates understand how to push the limits of performance in sports and tactical situations as well as the stress the body undergoes during training for sports, work or recreational activities, enabling them to plan successful exercise and recovery programs.

Graduates are prepared to pursue certification as a strength and conditioning specialist or a tactical strength and conditioning facilitator through NCSA, to work in the sports performance field, or for graduate study in sports science programs.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra OR MAT 170 Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHSPTSPPBS~null + &college=CHL>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Career options for this degree include opportunities in sports performance training in high school, collegiate, professional and private sector markets. In addition, students are prepared for careers in tactical performance training with local, state and national governmental agencies including work with police, firefighters and military personnel.

#### **Contact Information:**

Health Solutions, College of  
College of Health Solutions  
<https://chs.asu.edu/programs/sports-science-and-performance-programming-bs>  
HLTHN 4th floor  
chs@asu.edu  
602-496-3300

## **Honors - Barrett, The Honors College**

### **Honors College, (9HOHONALL)**

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West, Online

#### **Program Description:**

##### ABOUT THE COLLEGE

Barrett, The Honors College at Arizona State University is a highly regarded model for honors education in the U.S. and abroad. Barrett stands alone in dedicated resources, size and complexity with a presence on four ASU campuses; a multimillion dollar endowment used to support honors students and their projects; and dedicated deans, faculty and staff that include administrative leadership across all four campuses, 45 Faculty Fellows and 64 staff within the college on each campus, and more than 1,900 university faculty members who teach and mentor Barrett students from all majors across all four campuses. Barrett students are members of a close-knit community of scholars with a history of securing national and international scholarships and fellowships that fund research, international study, professional development or post-baccalaureate study, placing ASU among the top schools in the United States for success in national scholarship competitions.

With its outstanding programs, dedicated faculty and staff and comprehensive facilities, Barrett is a national model for organizing resources to support the honors experience at all four campuses at ASU. This unique arrangement is a model for higher education and has often been referred to as the best of both worlds by students who thrive in a small college atmosphere but appreciate access to large university programs like Division I athletics and to high profile lecturers.

A four-year residential college experience is the hallmark of the Barrett living and learning experience. The Tempe campus has a nine-acre, first-of-its-kind in the nation honors complex with residence halls for 1,700 students, multiple classrooms, a community center, dining hall and refectory and administrative offices. The honors residential experience continues across the street with upper-division housing for 1,600 students in the 18-acre Vista Del Sol Community.

The Barrett Honors College residential experience also extends to the Downtown, Polytechnic and West campuses. The Barrett Downtown residential community, called B-Town D-Town, is symbolic of the City Honors identity. Located at Taylor Place, this community is nestled at the heart of the campus and offers a rich, compelling and stunning living environment where students have easy access to ASU's downtown colleges and preprofessional programs as well as the unique and buoyant ambiance of the sports, governmental, and commercial lifestyle of Phoenix, the sixth largest growing city in the nation.

Barrett at the Polytechnic campus gives students the feeling of studying at a small private college with the advantages of a large university. Lantana Hall, the brand new residential building for the Polytechnic honors community, offers study and lounge spaces, a courtyard with community grills and an event lawn. Home to the Barrett Suite, Lantana Hall also features classrooms, a computer lab and staff and faculty offices.

Barrett at the West campus provides the entire range of honors activities in a small liberal arts college setting on the beautiful ASU West campus.

Honors students live in both the Casa de Oro and Las Casas residence halls with approximately 500 other residents and take advantage of the new fitness center and dining hall. The space dedicated solely to Honors students includes the 5,000-square-foot Barrett Suite complete with computer lab, study rooms, and meeting areas, as well as the Barrett West dean, faculty, and staff offices. Students benefit greatly by taking all their honors classes in the specially designed Barrett West seminar room.

#### STUDENT OPPORTUNITIES

ASU's size, number of majors, student organizations and student support services is an advantage and provides important opportunities for Barrett students to engage in meaningful ways. With the largest college residential profile across all four campuses, Barrett significantly contributes to the student life of the university. Barrett students demonstrate leadership in the classroom; in research labs; in mentoring and tutoring other students; and in securing leadership roles in student government, Changemaker Central, Greek Life and more than 800 student organizations. Barrett offers a full range of student-driven academic, service, wellness, arts, cultural, social, entrepreneurial and sustainability programming, through both Barrett student organizations and college-specific programming overall. Barrett students also positively impact ASU and local, national and global communities through internships, service, travel and other professional development opportunities within Barrett and across ASU. Barrett students participate in study abroad programs that enable them to travel to foreign countries, immerse themselves in small classes taught by honors faculty and experience different cultures and societies while earning honors credits.

Barrett students engage in cutting-edge research with distinguished ASU faculty or through special partnerships with the Mayo Clinic, the Biodesign Institute and Intel. Students are developing iPhone applications, building robots, designing games or developing tools to improve health care, meet global energy needs and provide clean water or secure data and information privacy. Many students also take advantage of internship opportunities developed exclusively for Barrett students with organizations like Mayo Clinic, Goldman Sachs, Microsoft, Google, and local congressional districts, the governor's office and the United States Senate.

The relatively new T.W. Lewis Center for Personal Development provides innovative courses, workshops and an engaging speaker series designed to help students achieve their personal best both during and after their college experience. The courses offered in the T.W. Lewis Center for Personal Development are HON courses and are open to all Barrett students, regardless of campus, year or major. The interactive workshops are led by industry and academic experts in areas such as: personal development, career success, financial literacy and life skills. The speaker series brings dynamic and inspiring industry and community leaders to give students a chance to hear from them and have community dialogue.

**Additional Program Fee:** Y

**Second Language Requirement:** N

#### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students must complete an application to Arizona State University before submitting a separate application to Barrett, The Honors College. Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records, their ranking within the graduating class, and their performances on the SAT or ACT. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have had unusual life experiences or display significant community involvement.

The Barrett admission application and additional information about the college and its activities are available at <https://barretthonors.asu.edu> (<https://barretthonors.asu.edu>).

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=9HOHONALL~null + &college=CHO>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Contact Information:

Honors - Barrett, The Honors College

Barrett, The Honors College  
<https://barretthonors.asu.edu/>  
SGHAL 101  
BarrettAdvising@asu.edu  
480-965-2354

## Integrative Sciences and Arts, College of

### Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)

**Campus:** Polytechnic

**Program Description:**

The BS program in applied biological sciences offers students solid foundations in biology and related sciences while allowing them to focus on an area of special interest.

Students learn about fundamental principles such as movement of energy and matter, exchange of genetic information, as well as structure and function relationships that govern life processes. Students also learn about ethical and policy challenges that can arise when applying biological principles to social issues. This knowledge is contextualized with case studies in the classroom and laboratory projects.

Students can apply their knowledge further by seeking undergraduate research opportunities with faculty, and internships with outside organizations and businesses.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSABS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates may pursue entry-level careers in wildlife and restoration ecology, urban horticulture and secondary education. The general program in applied biological sciences prepares graduates to succeed in graduate and professional schools in disciplines such as:

- biological research
- dentistry
- environmental biotechnology
- human health
- medicine
- physical therapy
- secondary education

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

CISA@asu.edu

480-727-1526

## Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)

**Campus:** Polytechnic

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

The applied ecology and preveterinary medicine concentration is designed for students who want a strong scientific foundation in animal biology and health.

It is especially appropriate for students who plan to enter graduate or professional programs in veterinary medicine, animal health, wildlife biology and ecology or who plan to start careers related to wildlife biology, ecology, restoration and rangeland management.

Public and private career options are diverse and include small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, animal biology, habitat research and secondary education.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSRBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates can pursue numerous entry-level careers in animal health and nutrition. The program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- animal biology
- animal health
- veterinary medicine

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Applied Biological Sciences (Natural Resource Ecology), BS (LSABSNRBS)

**Campus:** Polytechnic

**Program Description:**

The concentration program in natural resource ecology in the BS in applied biological sciences offers students the broad base of knowledge needed to sustainably manage natural resources in a variety of ecosystems.

Students learn about fundamental components of natural systems such as soils and water and the plant and wildlife communities they support. Students also learn to measure and assess plant and animal populations through a variety of field techniques and computer tools, including Geographic Information Systems and remote sensing. Knowledge and techniques are applied to case studies in the classroom and laboratory projects.

Students can apply their knowledge further by seeking undergraduate research opportunities with faculty, and internships with outside organizations and businesses.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSABSNRBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities include employment in public agencies and private consulting firms and includes possible positions such as:

- environmental consultant
- environmental researcher and educator
- natural resource manager
- park manager
- range manager
- watershed manager
- wildlife biologist or ecologist

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Applied Biological Sciences (Preveterinary Medicine), BS (LSABSPMBS)

**Campus:** Polytechnic, Online

**Program Description:**

The purpose of the concentration in preveterinary medicine in the BS program in applied biological sciences is to prepare undergraduate students to successfully complete the admission requirements for the pursuit of an advanced degree in veterinary medicine.

The concentration curriculum emphasizes a solid foundation in biology, chemistry, physics, animal science and mathematics while offering specialized courses in veterinary medicine and opportunities for placement in internships in the field.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

## Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/pre-veterinary-medicine/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSABSPMBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Career opportunities for graduates of this program may include entry into professional programs in veterinary medicine and animal health, including small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, education and animal biology research.

### Contact Information:

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu/>

SANCA 233

[CISA@asu.edu](mailto:CISA@asu.edu)

480-727-1526

## Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)

**Campus:** Polytechnic

### Program Description:

The secondary education in biology concentration is designed for students who want to teach biology at the high school level.

In addition to the standard curriculum, students receive hands-on experience in laboratory instruction in this BS program in applied biological sciences. The goal of the program is to prepare students to become teachers who excel both in biology and the related sciences.

Students enrolling in this concentration should also contact the Mary Lou Fulton Teachers College.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences



**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this concentration are prepared to teach biology in high schools as well as pursue numerous entry-level careers in biology. Specific career fields include secondary education, wildlife and restoration ecology and urban horticulture. Employment opportunities exist in private and public sectors. Graduates of the general program in applied biological sciences are also prepared to succeed in graduate or professional schools in disciplines such as:

- animal health
- dentistry
- ecology
- environmental biotechnology
- horticulture
- medicine
- physical therapy
- teaching
- wildlife biology

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

[CISA@asu.edu](mailto:CISA@asu.edu)

480-727-1526

## Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)

**Campus:** Polytechnic

**Program Description:**

The sustainable horticulture concentration within the BS program in applied biological sciences is designed for students who want theory and practical experiences in the unique aspects of the culture of plants in an urban desert environment. Students acquire the skills to produce, design and care for ornamental and edible plantscapes using sustainable technologies.

Students are prepared for a range of horticulture careers in the private and public sectors.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSUBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Horticulture is a multibillion dollar national and international enterprise that offers a diverse and exciting choice of professional careers. Graduates can pursue numerous entry-level careers in horticulture. Employment opportunities exist in private and public sectors. The sustainable horticulture concentration prepares graduates to succeed in graduate or professional schools in disciplines such as:

- aftermarket care of plants
- biology of the plants in desert cities
- care and management of trees in cities
- creation of public, community and private gardens in arid climates
- design and installation of outdoor landscapes including landscape irrigation systems
- integrated pest management
- marketing
- nursery production
- organic farming
- plant identification and propagation

The general program in sustainable horticulture also prepares graduates to succeed in roles such as:

- arboretum or botanical garden manager
- city horticulturist

- horticultural consultant, plant researcher or educator
- horticulture supply sales representative
- integrated pest management specialist
- interior plant specialist or plant propagator
- landscape designer or contractor
- nursery plant broker or cultivator and plant salesperson
- organic urban farmer or permaculturist
- urban plant ecologist, forester, tree specialist or arborist

Career opportunities for urban horticulture graduates are not limited to any one geographic location; graduates can embark on careers throughout the United States, Canada, Mexico and overseas.

**Contact Information:**

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## Applied Mathematics, BS (LSMATBS)

**Campus:** Polytechnic

**Program Description:**

The BS in applied mathematics offered by the College of Integrative Sciences and Arts is a transdisciplinary program focused on developing flexible problem-solvers who can apply mathematical techniques and skills to a wide range of problems in the sciences, such as biology, social sciences, chemistry, physics and engineering.

The coursework builds a foundation in mathematical modeling, data analysis and the interpretation of mathematical results in real-world settings. Students choose electives in the sciences, technology, engineering or other areas of interest to complement and provide context for their mathematical training.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I  
 or MAT 265 Calculus for Engineers

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSMATBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to apply their analytic skills and technical knowledge to problems in a range of careers in industry, government, education or nonprofit organizations. They also pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics and applied mathematics such as in mathematical biology).

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## Applied Physics, BS (LSAPHYBS)

**Campus:** Polytechnic

**Program Description:**

The acceleration of advances at the frontier where physics, engineering and technology meet creates a need for interdisciplinary training and research that is not readily accommodated by traditional single-focus programs in physics.

Pairing fundamental physics with immediate applications, the BS program in applied physics is attractive to students whose interests span new physical technologies in industry and engineering. The degree program combines physics, computer science and applied mathematics to tackle complex real-life problems in physics, material sciences, engineering, chemistry and others.

This bachelor's degree program brings together the expertise of physics faculty, particularly in the modeling of physical systems, which relies heavily on both modern numerical techniques and fundamental physics.

The growing presence of Intel and other high-tech companies in the east valley and metropolitan Phoenix presents a unique opportunity to enhance the students' interaction with industry. Given the importance of hands-on experience, the degree program offers a series of unique courses allowing students interactive involvement in a project-based environment.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSAPHYBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates apply their knowledge in high-performance and scientific computing, biophysics, condensed matter physics, chemistry, material science, electrodynamics and radar physics. This knowledge is vital for employment in chemical and pharmaceutical companies, environmental management agencies and firms specializing in scientific software. Graduates are prepared to continue their studies in graduate programs in

physics and chemistry.

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## Applied Quantitative Science, BS (LSAQSBS)

**Campus:** Polytechnic

**Program Description:**

Students learn to integrate and apply STEM-supported skills that are increasingly in demand in the 21st century.

Students of the BS program in applied quantitative science acquire six habits of mind, a mental practice that becomes increasingly automatic with progress through the curriculum and after, extending into career development. Graduates are able to:

- apply and project quantitative reasoning to unfamiliar contexts
- communicate well within and without the expert domain
- critically and adaptably think about complex problems
- effectively search through and evaluate information
- experiment creatively and in an informed manner in search of new insights
- use sophisticated insight involving statistical inference and quantitative reasoning

This program is offered as a stand-alone degree on the Polytechnic campus. Students pursuing degrees on all four metropolitan campuses can add this degree as a concurrent degree.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSAQSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Increasingly, employers are hiring people who know how to use quantitative information. Graduates of this degree program are equipped with the skills and knowledge sought by today's employers. People who work in any business or industry need to use quantitative skills to solve problems.

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**Applied Science (Applied Leadership), BAS (LSALSBAS)**

**Campus:** Polytechnic, ASU@Cochise, ASU@Pima, ASU@Pinal, ASU@The Gila Valley, ASU@Yavapai, Online

**Program Description:**

This BAS program prepares students for leadership positions in a wide variety of organizations and career fields.

The concentration in applied leadership focuses on the practice of innovative and effective leadership and helps students develop the skills and knowledge that leaders need to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources. It provides a valuable degree pathway for students with AAS degrees in fields such as fire science, environmental technology, machine shop technology and welding technology.

Students learn leadership skills that prepare them to become effective leaders in diverse environments --- applying those skills as team leaders, floor managers and shift captains.

**Additional Program Fee:** N**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Students applying to this program must have completed an AAS degree from a regionally accredited institution. For students with an Associate of Applied Science from an Arizona community college, the AGEC is recommended but not required. This program is not available for freshmen.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/applied-leadership-bas/>)

**Change of Major Requirements:**

Only students who have completed a Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSALSBAS-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates possess skills and knowledge needed for leadership positions in a wide range of organizations, including business, government, nonprofit agencies and the service industry.

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## Applied Science (Project Management), BAS (LSAPSPMBAS)

**Campus:** Polytechnic, Tempe, Online

### Program Description:

The BAS program in project management offers a skills-driven curriculum that prepares students to be excellent project managers.

Students acquire the skills they need to ensure the progress and successful completion of complex projects: project leadership, project quality management, project risk management, project schedule management, project cost management and project resource management.

Students also explore the skills and knowledge that leaders employ when they organize diverse teams, evaluate ethical situations, innovate, solve problems, communicate effectively, assess leadership and organizational effectiveness, manage resources and use emerging technologies in organizations.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

This program is not available for freshman.

Transfer Admission Requirements:

Students applying to this program must have completed an AAS degree from a regionally accredited institution. For students with an Associate of Applied Science from an Arizona community college, the AGEC is recommended but not required.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/project-management-transfer-degree/>)

### Change of Major Requirements:

Students changing their major to this program must have completed an AAS degree from a regionally accredited institution.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSAPSPMBAS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates possess the skills and knowledge needed for project management and leadership positions in a wide range of organizations, including business, government, nonprofit agencies and the service industry. Project managers can be housed within specific industries such as health care, information technology, construction management and many more.

**Contact Information:**

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## Applied Science (Technical Communication), BAS (LSTECBAS)

**Campus:** Polytechnic

**Program Description:**

The BAS in applied science with a concentration in technical communication is a flexible degree plan designed specifically for students who have earned an AAS degree from a regionally accredited institution. This major combines the technical experience gained in the student's associate degree program with a broader education of skills in management, leadership, critical thinking and communication.

Technical communication is applied workplace communication that makes technical information understandable and available to many audiences. In the technical communication concentration, students learn how to produce, design and manage information using both traditional and developing technologies.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available to freshmen.

**Change of Major Requirements:**

Only students who have completed a Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECBAS-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bureau of Labor Statistics estimates the need for writers and editors will increase by 25% during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers.



Students in the program prepare for careers as:

- advertising and promotions managers
- communications teachers (postsecondary)
- copy writers
- correspondence clerks
- court clerks
- desktop publishers
- editors
- media and communication workers
- proofreaders and copy markers
- public relations specialists
- technical writers

**Contact Information:**

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## Communication, BA (LSCOMBA)

**Campus:** Downtown Phoenix, Polytechnic

**Program Description:**

The BA program in communication in the College of Integrative Sciences and Arts explores how communication processes create, maintain and transform identities, relationships, workplaces and communities.

Through the study and critique of human communication, students gain the knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities and constructive intercultural interaction. With an emphasis on culture and communication, community advocacy and communication technologies, the degree allows for a concerted focus on the rapidly changing modalities of communication occurring today.

Students must complete a minimum of 12 upper-division credit hours of COM courses offered by the College of Integrative Sciences and Arts.

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSCOMBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about

these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Graduates often attend other top tier graduate schools, law schools and business schools, or find gainful employment as:

- advertising and promotions managers
- human resource specialists
- labor relations specialists
- lawyers
- marketing managers
- media and communication workers, all other
- public relations specialists
- survey researchers
- training and development managers
- training and development specialists

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## **Counseling and Applied Psychological Science, BS (LSCAPSBS)**

**Campus:** Polytechnic, Online

### **Program Description:**

Counseling and applied psychological science is a specialty in promoting psychological well-being. Counselors and applied psychologists provide the tools and resources necessary for individuals, families and organizations to cope with everyday problems.

The BS program in counseling and applied psychological science provides foundational training in counseling theories, addictions, trauma, lifespan development, group counseling and professional ethics. A unique aspect of the program is its attention to cultural diversity, which focuses on age, gender, race, ethnicity, sexual orientation, religion and socioeconomic status.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics

OR MAT 170 Precalculus

**Program Math Intensity:** Moderate

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/counseling-psychological-science/>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSCAPSBS~null + &college=CLS>) to outline a list of recommended courses

to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates with a degree in counseling and applied psychological are prepared for careers in various settings:

- community centers
- government (sales and marketing, human resources management)
- mental health professions (youth counselor, substance abuse counselor, behavioral health technician)
- social services (high school psychology teacher, occupational analyst)
- schools and colleges (school psychologists, educators, professors)
- substance abuse treatment clinics

Graduates may qualify for employment in behavioral health care delivery settings such as community agencies, hospitals and rehabilitation centers to support counselors and other mental health professionals. Graduates are prepared for a variety of careers, such as vocational rehabilitation assistants, human service workers and life-skills instructors. Graduates are not license-eligible as professional counselors but are well prepared for entering graduate degree programs in counseling and related fields.

Advanced degrees or certifications may be required for academic or clinical positions.

The degree also provides an excellent foundation for graduate study in disciplines such as counselor education, counseling psychology, clinical psychology, social work and family studies.

The Bureau of Labor Statistics shows the job outlook (2019 to 2029) for substance abuse, behavioral disorder and mental health counselors is 25%, which is "much faster than average."

#### **Contact Information:**

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## **Counseling and Applied Psychological Science (Substance Abuse and Addictions), BS (LSCAPSAABS)**

**Campus:** Polytechnic

#### **Program Description:**

Counseling and applied psychological science is a specialty in promoting psychological well-being.

The substance abuse and addictions concentration of the BS program in counseling and applied psychological science provides coursework in counseling skills and techniques as they relate to substance abuse and addictions. Students acquire the necessary skills in screening, assessing, diagnosing and planning treatment of patients afflicted with substance abuse, addictions and related disorders.

While this program does not make students license-eligible counselors, the coursework meets the requirements for the Licensed Substance Abuse Technician credential through the Arizona Board of Behavioral Health Examiners (<https://www.azbbhe.us/node/553>) (<https://www.azbbhe.us/node/553>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics

OR MAT 170 Precalculus

**Program Math Intensity:** Moderate

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSCAPSAABS-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The projected job outlook for substance abuse and behavioral disorder counselors is estimated to increase by 25% between 2014 and 2024. A licensed substance abuse technician is at the entry-level of serving clients who struggle with substance use and addictions. The LSAT assists substance abuse counselors in prevention and intervention efforts to individuals, groups and organizations. The LSAT credential prepares students for careers in substance abuse treatment clinics, community centers, social services and education settings, under the supervision of licensed mental health professionals.

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## English, BA (LSENGBA)

**Campus:** Polytechnic

**Program Description:**

The BA program in English is focused on literature, writing, film and culture.

Courses address a wide variety of genres, traditions and time periods. Students engage in close reading and critical thinking as they work with powerful, multilayered texts. They build communication skills as they compose for multiple purposes and audiences. The program ends with a degree capstone that allows students to use their skills and knowledge in a personalized academic or creative project.

Students are encouraged to pursue internship opportunities such as working in online publishing with Superstition Review (<https://superstitionreview.asu.edu/> (<https://superstitionreview.asu.edu/>)) or mentoring youth writers in Young Authors' Studio.

Students must complete a minimum of 12 upper-division credit hours of ENG courses offered by the College of Integrative Sciences and Arts.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

Liberal Studies (Film and Media Studies), MLSt

Liberal Studies, MLSt

Organizational Leadership, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSENGBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The bachelor's degree program in English prepares scholars and teachers for graduate or professional study and for careers in education, writing and other related fields. Career prospects for secondary language-arts teachers in Arizona are particularly strong. More importantly, students in the program develop skills that employers value, such as analyzing ideas and problems, finding and evaluating information, communicating effectively and presenting clear and logical arguments. With these skills, graduates of the program can find jobs such as these:

- advertising and promotions managers
- copy writers
- editors
- lawyers
- media and communication workers
- paralegals and legal assistants
- public relations specialists
- teachers and instructors
- technical writers
- writers and authors

#### **Contact Information:**

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SANCA 233

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480-727-1526

## **General Studies, BA (LSGNSBGS)**

**Campus:** Downtown Phoenix, Polytechnic, ASU@Lake Havasu

#### **Program Description:**

The BA program in general studies offers students a flexible, innovative path to degree completion. Graduates of the program are informed and effective members of society who are well prepared for a changing global marketplace with its diverse cultures.

The theme of this degree is society and the individual. Students explore the tensions between individualism and collectivism, the public and private

selves, domestic and global, and the interplay of culture and identity constructions.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSGNSBGS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Those who have majored in General Studies have the option of working in almost any field that requires effective interaction with others, from sales to social services and organizational management to government administration. Graduates are equipped with transferable skills highly desired by many employers; therefore, a wide array of job choices are available. The bachelor's degree creates great flexibility in career choice because of the versatility within the program.

Graduates may choose occupations for which their cluster prepares them, including:

- administrative services manager
- curator
- medical and health service
- middle school teacher
- military and veteran's services
- postsecondary teacher
- property, real estate and community association managers
- public relations specialist
- purchasing manager
- real estate sales agent
- sales manager
- writer and author

**Contact Information:**

Integrative Sciences and Arts, College of  
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<https://cisa.asu.edu>

## History, BA (LSHISBA)

**Campus:** Polytechnic

### Program Description:

The BA program in history focuses on American history, with coursework in European, Latin American and global historical perspectives. Faculty expertise includes the history of technology and science, biography, war and its effect on society, public history, aviation, environmental history and related fields.

Students are trained in methods of historical research and study the development of human society from social, cultural and political perspectives. The capstone course and other research courses allow students to apply research and writing skills as practitioners of history and creators of analytical narratives.

Students must complete a minimum of 12 upper-division credit hours of HST courses offered by the College of Integrative Sciences and Arts.

Students who would like to combine this degree with teaching certification should contact the Mary Lou Fulton Teachers College.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Liberal Studies (Film and Media Studies), MLSt

Liberal Studies, MLSt

Organizational Leadership, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSHISBA-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates are well prepared for careers in education, writing and other related fields. Career prospects for secondary history and social studies teachers in Arizona are particularly strong. Students in the program develop skills in:

- analyzing and assessing ideas and problems
- communicating effectively orally and in prose
- finding and evaluating information
- presenting clear and logical arguments

With these skills, graduates of this program may find jobs in:

#### Public History

- archivists
- museum curators
- museum technicians and conservators

#### Legal Professions

- court reporters
- law clerks
- lawyer
- paralegal and legal assistants

#### Education

- college and university faculty
- middle school teachers
- secondary school teachers

#### Media and Communication

- broadcast news analysts
- historians
- media and communication workers
- news columnists
- reporters and correspondents
- writers

The bachelor's degree program in history also prepares scholars and teachers for graduate and professional studies.

#### Contact Information:

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## History of Science, Ideas and Innovation, BA (LSHSIIBA)

**Campus:** Polytechnic

#### Program Description:

The BA program in the history of science, ideas and innovation provides students with a grounding in the social and intellectual issues central to understanding the role of science, technology and ideas from past to present.

This transdisciplinary degree program encourages students to combine coursework in the natural and applied sciences with historical and philosophical approaches to social knowledge. Students majoring or minoring in the history of science, ideas and innovation program graduate with a foundation for advanced work either in the humanities, the sciences or in transdisciplinary fields bridging written and technical work.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)



Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSHSIIBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for successful careers in a wide range of fields, including science and technical writing, consulting, museum studies, the digital humanities and other fields that benefit from transdisciplinary exchange. Graduates are also prepared to enter advanced programs in history and science as well as law and medical schools.

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## Integrative Social Science, BS (LSISSBS)

**Campus:** Polytechnic

**Program Description:**

The BS program in integrative social science is designed to cross-educate students in the disciplines of the social sciences to meet the complex issues that confront human society in the 21st century.

The emphasis of the program lies in bridging traditional disciplinary boundaries to immerse students in the myriad theories and skills available across disciplines, allowing for true fusion of ideas and methodologies which otherwise may elude them with traditional, single-discipline social science programs.

Graduates of the program are prepared with theory and research skill sets that allow them to draw from the best of the multiple disciplines of the social sciences as they confront a technically sophisticated world.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Integrative Social Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSISSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Because of their mastery of the multiple methodologies of the social sciences, graduates of the program have many more professional opportunities available to them than their peers with single-discipline training. Graduates pursue a variety of careers, exemplified by this partial list:

- conflict resolution experts
- counselors or case workers
- data analysts
- environmental assessment experts
- facilitators
- organization managers (private, public and nonprofit)
- policy analysts
- program evaluators
- public relations officers
- public safety and criminal justice professionals
- sustainability experts

### **Contact Information:**

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## **Interdisciplinary Studies, BA (LSBISBIS)**

**Campus:** Downtown Phoenix, Polytechnic, Tempe, Online

### **Program Description:**

The Arizona State University BA program in interdisciplinary studies, one of the top five in the country, offers students the freedom to select two areas of study, referred to as concentration areas, from a rich menu of more than 170 possibilities. Concentration checksheets are available at <https://cisa.asu.edu/interdisciplinary-studies-concentrations> (<https://cisa.asu.edu/interdisciplinary-studies-concentrations>).

The core curriculum provides students with the intellectual tools to integrate their concentration areas, engage in transdisciplinary problem-solving and prepare for careers and graduate programs that increasingly cross disciplinary boundaries. An interdisciplinary studies student could choose to integrate concentrations like business and project management, psychology and social welfare, communication and justice studies, public administration and ethics, digital culture and computer gaming or many other unique combinations.

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary studies students take an active role in designing their educational plans and defining their career goals. The degree emphasizes written communication, versatility, self-assessment and critical thinking --- essential skills for today's dynamic world.

Those interested in the online program for interdisciplinary studies may visit the ASU Online website for more information.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all

applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Liberal Studies (Film and Media Studies), MLSt

Liberal Studies, MLSt

Organizational Leadership, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The program is available to all students in good academic standing who have achieved sophomore, junior or senior standing. Students should meet with an advisor to declare their major as interdisciplinary studies.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-interdisciplinary-studies/>)

**Change of Major Requirements:**

There are no additional requirements for current ASU students to change majors into this program; however, students interested in the interdisciplinary studies major are highly encouraged to meet with an advisor.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSBISBIS-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Because of the flexibility of the interdisciplinary studies program, graduates take many exciting career paths after leaving ASU. While some complete graduate or professional degrees, others immediately enter the job market. For example, one graduate combined business and communication and now owns a small business; another integrated sociology and family studies to further a career in law enforcement; another studied philosophy and economics to prepare for law school; another combined biology and chemistry in preparation to pursue a master of pharmacy degree; and yet another studied Spanish and religious studies and now works as an employee trainer for a major company.

Possible career opportunities include:

- archivist
- climate change analyst

- compliance manager
- computer network support specialist
- curator
- editor
- environmental restoration planner
- general and operations manager
- regulatory affairs manager
- reporters and correspondent
- web developer
- wholesale and retail buyer (except farm products)

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## Interdisciplinary Studies (Organizational Studies), BA (LSORGBIS)

**Campus:** Online

**Program Description:**

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary students develop the intellectual tools needed to build bridges between academic disciplines and apply their skills, innovations and knowledge in various academic and practical settings.

The BA degree in organizational studies is intended for students seeking an interdisciplinary degree and who possess a desire to learn about the dynamics of contemporary organizations. Organizational studies students gain valuable knowledge of management styles, communication strategies, technologies, diversity, ethics and politics.

All coursework for organizational studies is offered online, giving students freedom and flexibility in completing their requirements.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Liberal Studies (Film and Media Studies), MLSt

Liberal Studies, MLSt

Organizational Leadership, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-interdisciplinary-studies-organizational-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGBIS-null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

By engaging in a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, students prepare themselves for a range of professions, including:

- human resources specialists
- industrial organizational psychologists
- investment fund managers
- loss prevention managers
- management analysts
- regulatory affairs managers
- supply chain managers
- urban and regional planners

Many students majoring in organizational studies already have a chosen career field yet desire a degree that is versatile, flexible, meaningful and affords the opportunity for continued career development and advancement. Because of the flexibility of the program, graduates take many different career paths after finishing their degree. Recent graduates have found opportunities in many exciting fields, such as:

- business
- education
- health care administration
- nonprofit administration
- tourism

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## **Liberal Studies, BA (LABLSBLS)**

**Campus:** Polytechnic, Online

#### **Program Description:**

The BA program in liberal studies helps address student interests in a broad array of disciplines and subject matters. The liberal studies degree is transdisciplinary, providing students with a thematic approach to education.

The program gives students the grounding they need to use knowledge as more successful thinkers, decision-makers and leaders. The liberal studies core classes are designed to promote critical and creative thinking as students learn how to draw upon diverse disciplinary perspectives and modes of inquiry and develop analytical and communicative abilities. The classes help advance communication skills and support professional career development.

Students majoring in liberal studies have become part of an international movement in higher education. This movement has proven empowering to people who are given the flexibility to explore multiple interests or approach a particular interest from various perspectives. Students are not alone in their chosen path. In fact, this program is just one of hundreds of similar programs offered in colleges and universities across the nation.

The program offers a breadth of learning in an online setting. Those interested in the online program for liberal studies may visit the ASU Online website for more information.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Liberal Studies (Film and Media Studies), MLSt
- Liberal Studies, MLSt
- Organizational Leadership, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Transfer Admission Requirements:

The MyPath2ASU<sup>®</sup> pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students completing their ASU degree at Yuma: Once the MyPath2ASU<sup>®</sup> pathway requirements are complete, students complete the remaining requirements for the ASU bachelor's degree at the community college.

Students should visit <https://admission.asu.edu/transfer> (<https://admission.asu.edu/transfer>) for more information about ASU degrees offered at local community colleges.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-liberal-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABLSBLS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Liberal studies graduates are prepared to enter the workforce or pursue graduate or professional studies.

Liberal studies courses prepare students for the following careers, among others. Some career options may require additional training or schooling:

- creative writer
- customer service representative
- executive assistant
- general and operations managers
- grant writer
- public relations personnel
- research analyst
- training specialist

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480-965-4464

## **Organizational Leadership, BA (LSORGLBA)**

**Campus:** Polytechnic, ASU@Cochise, ASU@Lake Havasu, ASU@Pima, ASU@Pinal, ASU@The Gila Valley, ASU@Yuma, ASU@Yavapai, Online

#### **Program Description:**

The BA program in organizational leadership uses transdisciplinary methods that prepare students to become leaders in organizations. Students develop the skills and knowledge that leaders need to solve problems, communicate effectively, assess programs, manage resources and use emerging technologies in organizations.

Graduates are prepared for a range of positions in the public and private sectors, including in government, health care administration, nonprofit agencies, businesses and the service industry.

Students interested in completing the Bachelor of Arts program in the Gila Valley, Pinal County, Cochise County, Pima County, Yavapai County or Yuma are encouraged to complete a MyPath2ASU program. Students should see admission requirements below.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

Online: MAT 142 College Mathematics or MAT 117 College Algebra or higher.

Lake Havasu: MAT 117 College Algebra or higher. Students simply need to fulfill the General Studies math requirement.

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Liberal Studies (Film and Media Studies), MLSt

Liberal Studies, MLSt

Organizational Leadership, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Transfer Admission Requirements:

The MyPath2ASU™ pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students completing their ASU degree at Yuma: Once the MyPath2ASU™ pathway requirements are complete, students complete the remaining requirements for the ASU bachelor's degree at the community college.

Students should visit <https://admission.asu.edu/transfer> (<https://admission.asu.edu/transfer>) for more information about ASU degrees offered at local community colleges.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-organizational-leadership/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGLBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates possess skills and knowledge needed for leadership positions in a wide range of organizations, such as business, government, health care administration, nonprofit agencies and the service industry. Students who complete the program on the ground in Lake Havasu City choose from three concentrations, with the following job titles based on information from other universities with similar degrees.

Organizational behavior:

- community relations manager
- director of employee services
- diversity specialist
- director of training
- knowledge manager
- performance evaluation specialist

Organizational leadership:

- director of youth development
- deputy sheriff trainee
- executive assistant
- housing assistant
- knowledge manager
- organization development consultant
- sales executive
- sales manager
- service manager
- supervisor



- talent manager

Project management:

- account manager
- facilities manager
- project manager
- senior video producer

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
USE 138  
CISA@asu.edu  
480-965-4464

## Organizational Leadership (Project Management), BA (LSORGLPMBA)

**Campus:** Polytechnic, Tempe, ASU@Cochise, ASU@Pima, ASU@Pinal, ASU@The Gila Valley, ASU@Yavapai, Online

**Program Description:**

The BA program in organizational leadership with a concentration in project management offers theoretically and skills-driven curriculum to prepare students to be excellent project managers and project management leaders.

Students learn to integrate leadership theory and practice in organizational leadership courses. They learn the skills and knowledge that leaders need to lead diverse teams, innovate, solve problems, communicate effectively, assess leadership and organizational effectiveness, manage resources and use emerging technologies in organizations. Students also acquire the skills necessary to manage complex projects: project leadership, project quality management, project risk management, project schedule management, project cost management and project resource management.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Liberal Studies (Film and Media Studies), MLSt
- Liberal Studies, MLSt
- Organizational Leadership, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/organizational-leadership-project-management-ba/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGLPMBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for a range of positions in the public and private sectors, including government, information technology, nonprofit agencies, businesses of many kinds and in the service industry. Graduates are prepared for jobs as technical project managers, project managers versed in the Agile methodology and others, senior project managers, portfolio or project managers or directors of project management. In addition, students may seek advanced study in the form of the Project Management Professional credential, graduate and postbaccalaureate degrees.

According to the U.S. Bureau of Labor Statistics, project manager salaries range anywhere from \$74,000 to \$100,000. The bureau also indicates that the average project manager receives a little more than \$42 per hour in wages.

**Contact Information:**

Integrative Sciences and Arts, College of  
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## Political Science, BS (LSPOLBS)

**Campus:** Polytechnic

**Program Description:**

The BS in political science gives students the background and skills they need to gain employment in a relevant profession, to continue their studies in graduate programs in political science or in the social sciences, or to pursue a particular discipline at a professional school.

The program helps students understand the assumptions underlying political science and develop the research skills to analyze complex socio-political issues. Those objectives are accomplished by offering a flexible program and by providing students with both individual and group experiences, working with faculty on concrete intellectual and policy issues.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Integrative Social Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSPOLBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program serves as good preparation for staff, manager or policy analyst positions in local, state and federal government. This degree is recognized by employers as qualification for many careers in business (for-profit and nonprofit) and industry. Opportunities may include positions that involve binational, crossborder positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border.

Many students use the degree as a gateway to law school or as a basis for further study in such applied fields as:

- community development
- political science
- public administration
- public policy
- social science
- urban affairs
- urban and regional planning

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Psychology, BA (LSPGSBA)

**Campus:** Polytechnic

**Program Description:**

Psychology is the scientific study of mind and behavior.

The BA in psychology program emphasizes critical thinking, empirical research methods and writing and adds practical experience through internships, service-learning and faculty-supervised research. The Bachelor of Arts program provides a broad foundation in psychology and affords students the flexibility to choose from a variety of courses outside the major.

Graduates are prepared for employment or preparation for graduate study in applied psychology and related fields (e.g., social work, counseling and management).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics

OR MAT 170 Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSPGSBA~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bureau of Labor Statistics shows that the job outlook (2016-2026) for psychologists is 14% (which is "faster than average").

A degree in psychology prepares students for a career in various settings:

- consulting firms
- government (sales and marketing, human resources, research, administration, management)
- hospitals
- industries and organizations
- mental health agencies
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- health
- physiological
- social

**Contact Information:**

Integrative Sciences and Arts, College of  
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<https://cisa.asu.edu>  
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480-727-1526

## Psychology, BS (LSPGSBS)

**Campus:** Polytechnic

**Program Description:**

Psychology is the scientific study of mind and behavior.

The BS program in psychology emphasizes critical thinking, reasoning, quantitative research and scientific writing.

The Bachelor of Science prepares students for graduate study in quantitative, experimental, environmental, biological and clinical psychology as well as related fields (e.g., medicine and behavioral neuroscience). The bachelor's degree program also prepares students for employment in social services, industry and government organizations.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics

OR MAT 170 Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSPGSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bureau of Labor Statistics shows that the job outlook (2016-2026) for psychologists is 14%, which is much faster than average.

A degree in psychology prepares students for a career in various settings:

- consulting firms
- government (sales and marketing, human resources, research, administration, management)
- hospitals
- industries and organizations
- mental health agencies
- social services (high school psychology teacher, occupational analyst)

The degree program also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

SANCA 233

[CISA@asu.edu](mailto:CISA@asu.edu)

480-727-1526

## Science, Technology and Society, BS (ECSTSBS)

**Campus:** Polytechnic

**Program Description:**

Questions surrounding the interaction of science, technology and human systems are highly transdisciplinary and cultural, requiring analytical techniques that transcend space and time. Thus, the BS program in science, technology and society stresses the need to step outside both disciplinary and cultural boxes in pursuit of knowledge.

Accordingly, the program is heavy on cultural and information literacy and critical thinking. The primary goal is to produce generalists who understand the intricate interrelationship of science, technology and society and who are armed with the technical skills to change their environment.

The bachelor's degree program in science, technology and society prepares professionals and scholars for careers in the 21st century world focusing primarily, but not exclusively, on the interaction of science and technology with human systems. The program focuses on the development of the technical skills required to audit social, political and policy impacts of technological advancement and the competence required to navigate questions surrounding the future trajectory of science and technology.

The following three tracks are available: general science, technology and society; global technology and development; and science, technology and governance. Students may use the general science, technology and society track to design targeted programs of their choosing, including premedical and prelaw.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Integrative Social Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECSTSBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for graduate or professional study or professional careers as:

- commercial and industrial designers
- compliance managers
- environmental restoration planners
- public relations specialists
- recycling coordinators
- regulatory affairs specialists
- sales representatives (wholesale, manufacturing, technical, scientific products)

- sustainability specialists
- training and development specialists
- transportation planners
- urban and regional planners

**Contact Information:**

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 College of Integrative Sciences and Arts  
<https://cisa.asu.edu/program-contacts>  
 SANCA 233  
 CISA@asu.edu  
 480-727-1526

## Technical Communication, BS (LSTECBS)

**Campus:** Polytechnic, Online

**Program Description:**

Technical communication is applied workplace communication that makes technical or specialized information understandable and available to many different users. It involves using a range of technologies to craft an ever-expanding array of print and digital information products: websites, social media sites, help files, training materials, grants and proposals, and data visualizations, to name just a few.

Technical communicators work in many professional roles, such as information developers, grant writers, web interface designers or user experience specialists. What all of these roles have in common is the focus on creating accessible and appealing communication that has a practical purpose and is intended for a particular audience.

In the technical communication program, students learn how to analyze, write, design, produce and manage print and digital information using traditional and developing technologies.

The BS degree program in technical communication in the College of Integrative Sciences and Arts is the only undergraduate technical communication degree program available in the state of Arizona.

Those interested in the technical communication online program may visit the ASU Online website for more information.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-technical-communication/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bureau of Labor Statistics estimates that job growth in technical writing and related areas will continue to be significantly higher than average during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers.

Students in the program prepare for careers as:

- communication manager
- communications instructor or professor
- computer user support specialist
- content strategist
- data visualization specialist
- editor
- engineering support specialist
- health communicator
- information architect
- new media or social media specialist
- public relations specialist
- technical writer
- user experience specialist
- web content creator

**Contact Information:**

Integrative Sciences and Arts, College of  
College of Integrative Sciences and Arts  
<https://cisa.asu.edu/program-contacts>  
SANCA 233  
CISA@asu.edu  
480-727-1526

## Technical Communication (User Experience), BS (LSTECUBS)

**Campus:** Polytechnic, Online

**Program Description:**

The user experience concentration of the BS degree in technical communication provides technical communication majors with an interdisciplinary foundation in communication, research and design that is central to the rapidly growing area of user experience.

The program provides students with a conceptual understanding and applied skills in methods of gathering user information, analyzing data and communicating research findings to stakeholders. Although its disciplinary home and primary focus is technical communication, the concentration includes courses from human systems engineering and graphic information technology in order to provide students with the multiple perspectives and complementary skills needed for user experience work.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

User Experience, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.



**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/technical-communication-user-experience-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECUBS~null + &college=CLS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Technical communicators with expertise in user experience have numerous career opportunities in growth areas such as user experience research, user-centered design, information design, interaction design, information architecture, content strategy and usability analysis.

**Contact Information:**

Integrative Sciences and Arts, College of

College of Integrative Sciences and Arts

<https://cisa.asu.edu>

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480-727-1526

## Interdisciplinary Arts and Sciences, New College of

### Applied Computing, BS (ASACOBS)

**Campus:** West

**Program Description:**

Students in the BS program in applied computing learn a computer science foundation and then explore the established knowledge and emerging developments in the high-demand areas of database systems, computer networks and cybersecurity. The program also provides the opportunity to investigate interdisciplinary connections, including the combination of computing with its real-world application in other disciplines through concurrent degrees and minors.

Hands-on class projects, internships, industry partnerships and authentic and impactful research conducted with faculty provide numerous opportunities for students to apply their knowledge before they graduate. Students use their programming expertise, systems knowledge and critical thinking skills to effectively problem-solve and articulate their experience through presentations, scientific posters and professional papers.

With a depth of knowledge and experience in databases, networks and cybersecurity, graduates have a strong foundation in systems with established interconnections among these fields that prepares them for graduate study and for careers that include cybersecurity analysts, database architects and network engineers.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees.

Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 251 Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biological Data Science, MS

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASACOBBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared to integrate technology with human activities, respond to global changes, solve problems and create and manage the technological production of information and creative products. Core information technology industries are among the fastest growing sectors in the U.S. economy. Graduates find employment opportunities with corporations and businesses, nonprofit and government agencies, digital arts media industries and in the academic world.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/applied-computing-degree>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Applied Computing (Cybersecurity), BS (ASACOCBS)

**Campus:** West

**Program Description:**

The cybersecurity concentration prepares students for a continuing and progressive career in cybersecurity.

The innovative cybersecurity concentration builds upon the BS program in applied computing. Students acquire the technical knowledge to secure networks and applications, an understanding of cybersecurity governance models and risk management fundamentals, methods of communicating complex risk issues, and solutions for the challenges of implementing cybersecurity controls within various organizational models. Leadership, critical thinking and effective communication also are emphasized. Students gain experience with real-world cybersecurity organizations, protecting

digital assets against compromise or theft.

Graduates of the applied computing program with a concentration in cybersecurity are well prepared for graduate study as well as entry-level employment with businesses, nonprofits, government agencies and academic institutions.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 251 Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASACOCBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This is an ideal degree for students interested in careers in cybersecurity. Opportunities are available both in the private sector and within governmental agencies (e.g., the FBI, Homeland Security, the National Security Agency and the Department of Defense). Cybersecurity-focused positions include:

- chief information security officer
- cyber risk analyst
- information security engineer
- network security engineer
- security operations center analyst

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/applied-computing-cybersecurity>

FAB N100

MNSadvising@asu.edu

602-543-3000

## Applied Mathematics, BS (ASMATBS)

**Campus:** West

**Program Description:**

The BS in applied mathematics is an interdisciplinary program that provides a broad and rigorous foundation in applied mathematics. It includes a

foundation in computing and statistics as well as both theoretical and applied mathematics.

The program emphasizes quantitative problem-solving and critical thinking through courses that expose students to a variety of mathematical theories, techniques and applications currently used by analysts and researchers in government, industry and nonprofit organizations.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biological Data Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASMATBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for entry-level positions in industry, finance, government, nonprofit organizations and education. They also may pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics and computer science), and their career opportunities include:

- applied mathematical networks
- financial mathematics
- general applied mathematics
- mathematical biology
- operations research

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/applied-mathematics-degree>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Applied Science, BAS (ASBASBAS)

**Campus:** West

### **Program Description:**

The BAS program is for students who have already earned a community college AAS degree. The program allows students to apply the technical knowledge gained from their associate degree and significantly broaden their education through completion of a concentration of their design that expands on the coursework completed in their AAS or by creating a new concentration in a different area of study.

The program includes a unique, personalized area of concentration tailored to the student's individual interests and career goals. The possibilities include applied computing, applied ethics, biology, biomedical research, business, conflict resolution, communication, creative writing, cybersecurity, English, environmental science, film and video studies, forensic psychology, forensic science, interdisciplinary arts and performance, risk communication, peace studies, political science, psychology, Spanish and statistics.

The program also includes an internship experience.

Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students who have earned an Associate of Applied Science from an accredited institution may transfer 60 credit hours toward the Bachelor of Applied Science degree.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

### **Change of Major Requirements:**

A current ASU student must hold an Associate of Applied Science degree in order to change the major to this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASBASBAS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Because the program allows students to tailor their concentration, graduates are prepared for a wide range of career opportunities as well as graduate programs such as law, business, social sciences and education.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/applied-science-degree>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Biology, BA (ASLSCBA)

**Campus:** West

**Program Description:**

The BA program in biology with an emphasis in the natural sciences examines the interdisciplinary nature of the life and physical sciences, focusing on the ways in which these disciplines intersect. The program's organization and flexibility allows students to simultaneously study another subject outside their major. Students are encouraged to add a minor or concurrent degree in another subject area.

Students gain hands-on experience as they work both in small groups and one-on-one with individual faculty members. Students may participate in cutting-edge scientific research by assisting in faculty research laboratories, or even publish in top journals and present their results at regional and national scientific meetings.

Graduates are prepared for entry-level jobs in research, nonprofit, education and outreach organizations and for other roles in the life sciences. Graduates are also prepared for related graduate programs.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biological Data Science, MS
- Communication Studies, MA
- Social Justice and Human Rights, MA
- Social Technologies, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU

(<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Students have a wide variety of options, including pursuing graduate studies or seeking careers in areas that include:

- environmental management and conservation
- health professions
- laboratory research
- primary and secondary school teaching
- science advisement to businesses and government
- science writing

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/biology-degree-ba>  
FAB N100  
MNSadvising@asu.edu  
602-543-3000

## **Biology, BS (ASLSCBS)**

**Campus:** West, ASU@Lake Havasu

#### **Program Description:**

The BS program in biology with an emphasis in the natural sciences examines these disciplines through experiential learning. By learning in an integrative environment that emphasizes the connectedness of the life sciences, students gain a better understanding of larger scientific concepts and can view these concepts from multiple perspectives.

All of the program's core courses include laboratories.

Students are encouraged to conduct independent research under the mentorship of faculty members or during internships. Some even publish in top journals and present their results at scientific meetings.

Graduates are prepared for employment with state and federal agencies or private organizations, such as biomedical laboratories and environmental consultancies. They are also prepared for graduate or doctoral programs in human or veterinary medicine, pharmacy, dentistry or scientific research.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus OR MAT 251 Calculus for Life Sciences OR STP 226 Elements of Statistics

**Program Math Intensity:** Moderate

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biological Data Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

This program prepares graduates for a wide range of careers by offering course and laboratory work and quantitative research opportunities that develop fundamental problem-solving, critical thinking, writing and communication skills. Graduates may enter careers in:

- business
- laboratory or field research
- medicine
- publishing
- scientific journalism
- teaching

Undergraduate laboratory experience, both on and off campus, enhances employability as a laboratory technician or research associate in university and government research laboratories; in hospital and diagnostic laboratories; and in pharmaceutical, biotechnology, agricultural and food processing companies.

Students engaged in field studies are prepared for entry-level positions in private companies and state and federal agencies, such as wildlife biologist, environmental consultant or conservation officer.

### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/biology-degree-science>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## **Biology (Environmental Science), BS (ASLSCSBS)**

**Campus:** West, ASU@Lake Havasu

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

### **Program Description:**

The BS program in biology with a concentration in environmental science emphasizes experiential learning with courses that include required laboratories. By learning in an integrative environment that underscores the connectedness of these disciplines, students gain a better understanding of larger scientific concepts and they view these concepts from multiple perspectives. Students pursuing this concentration take a set of courses that focus more on environmental science than those pursuing a Bachelor of Science in biology.

While the emphasis is on science, students learn to approach environmental science from an interdisciplinary perspective, in part by studying environmental ethics and policy.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).



**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCEBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

According to the 2010-2011 Occupational Outlook Handbook (U.S. Bureau of Labor Statistics, 2010), employment of environmental scientists is expected to grow by 28% between 2008 and 2018. This is far more rapid growth than the average rate of growth for all occupations. The handbook indicates most rapid growth will occur in the private sector, primarily in private environmental consulting firms.

This concentration allows students to tailor their courses of study to their interests in the science of the environment to help prepare them for careers in the public and private sectors (e.g., environmental consulting, environmental remediation, natural resource management) and entry into graduate programs in environmental science and related disciplines.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/environmental-science-degree>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Biology (Pharmacology/Toxicology), BS (ASLSCPBS)

**Campus:** West

**Program Description:**

The pharmacology and toxicology concentration of the BS program in biology provides an emphasis in the biochemical, molecular and physiological components of drug and body interactions.

The degree program emphasizes experiential learning, and all required core courses have laboratories. By learning in an integrative environment that emphasizes the connectedness of the disciplines, students gain a better understanding of larger scientific concepts and they can view these concepts from multiple perspectives. To have a thorough understanding of the interactions of chemicals in the biological system, students study both biology and chemistry and become familiar with chemical interactions at physiological, molecular and cellular levels.

Undergraduates have the opportunity to conduct independent research under the mentorship of faculty members or in internships outside the school.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 251 Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCPBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for occupations such as:

- risk assessor
- laboratory researcher
- pharmacist
- physician
- physician's assistant
- veterinarian

Graduates may work in governmental agencies or private companies in areas such as:

- clinical trials
- product safety evaluation
- regulatory affairs
- teaching

Graduates are also prepared for entry-level employment in the growing field of environmental toxicology as well as for graduate or professional programs in pharmacology and toxicology.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biology-pharmacologytoxicology>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Biotechnology and Bioenterprise, BS (ASBITEBS)

**Campus:** West

**Program Description:**

The BS program in biotechnology and bioenterprise provides students with essential transdisciplinary and practical experience in biotechnology research. Students acquire the associated business and entrepreneurship skills needed to develop and market biotechnological innovations and solutions to problems facing the biotechnology and health sciences communities in Arizona, the nation and beyond.

The program emphasizes coursework in the biological, biomolecular and biotechnological sciences, which are key components that underpin biotechnology. Students may tailor the degree to their specific interests and aspirations through focus areas in biotechnology, bioentrepreneurship and biostatistics. The program is unique due to its focus on blending biotechnology and entrepreneurship.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** First math varies depending on the focus area chosen.

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASBITEBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared for such careers as:

- bioentrepreneur
- cell biologist
- clinical trials manager
- educator
- laboratory researcher
- microbiologist
- patent agent
- portfolio manager
- project manager
- regulatory affairs manager

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/biotechnology-and-bioenterprise>

FAB N100

## Communication, BA (ASCOMMBA)

**Campus:** West, ASU@Lake Havasu

### Program Description:

The BA program in communication is a broad-based program that trains individuals to speak and write competently, manage relationships well, problem-solve effectively and understand the role and function of communication in public forums, organizational settings, relational exchanges and intercultural situations.

The curriculum provides an extensive understanding of the practical, theoretical and professional distinctions of today's field of communication. Utilizing the nationally recognized CommLabASU, students perform in-depth study of what contributes to and detracts from effective human communication, recognizing that the art of communication is far more nuanced than simple speaking and writing prowess.

Students may pursue one or more focus areas that are designed to amplify their academic and professional preparation in specific contexts.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Global Management, MGM

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCOMMBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The Bachelor of Arts in communication prepares students for careers in social media and technology, global communication, public relations and strategic communications, risk and crisis communication, communication training and mentoring, sport communication and communication philosophy. Because communication skills are crucial to many professions, graduates work in a variety of fields, including:

- advertising
- customer service and customer relations
- education
- fundraising
- health and human services
- human resources
- international service
- legal professions
- lobbying
- management
- marketing
- media and public relations
- mediation
- ministry
- public administration
- public advocacy
- public office
- research
- sales
- social media design and implementation
- speech writing
- training and development

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
 School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/communication-degree-ba>  
 FAB N100  
 sbsadvising@asu.edu  
 602-543-3000

## Communication, BS (ASCOMMBS)

**Campus:** West, ASU@Lake Havasu

**Program Description:**

The communication program prepares students to do far more than give a speech or two in front of their peers. It provides an extensive understanding of the practical, theoretical and professional distinctions of today's field of communication and equips students with the skills needed to convey complex ideas clearly and effectively through both the spoken and written word.

In the nationally recognized CommLabASU, this program trains and prepares students for in-depth study into what contributes to and detracts from effective human communication, recognizing that the art of communication is far more nuanced than simple speaking and writing prowess.

Students may pursue one or more focus areas that are designed to amplify their academic and professional preparation in specific contexts, including: public relations, risk and strategic communication; media, culture and social technology; communication training and mentoring; dialogue, relationships and communities; and sport communication.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Interdisciplinary Studies, MA
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCOMMBS-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are trained in effective communication skills, are able to speak and write well, and can convey complex ideas effectively. They are prepared for employment in communication-intensive fields and for further graduate study. Graduates are prepared to perform various forms of data analysis, communication assessment and technical reporting, and they are prepared for graduate study in the social sciences, law, humanities and management. Graduates work in communications-intensive fields such as:

- advertising
- community education
- corporate communications
- crisis management
- customer service and customer relations
- health communication
- human resources management
- media and public relations
- new media
- social media
- training and development

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences

<https://newcollege.asu.edu/communication-degree>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## Computational Forensics, BS (ASCPFBS)

**Campus:** West

**Program Description:**

The BS program in computational forensics is a multidisciplinary degree program that encompasses areas of physical, biological and social sciences with an additional focus on statistics and computation.

Students investigate specific forensic problems using statistics, computing and mathematics with the main goal of advancing their forensic science knowledge and capabilities. Students study and develop the quantitative and computational methods that assist basic and applied research efforts in forensic science, establish or prove scientific basis in investigative procedures and support forensic examiner casework. Through modeling, computer simulations and computer-based analysis and recognition, students gain an in-depth understanding of the forensic science discipline, the

scientific method and the systematic approach to forensic science.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCPFBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The demand for forensic scientists is increasing according to the U.S. Bureau of Labor Statistics. With computation and statistics driving many technological advances, this interdisciplinary degree program prepares students for employment in a range of jobs or to continue on to advanced study of quantitative programs in graduate school.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/computational-forensics>

FAB N100

MNSadvising@asu.edu

602-543-3000

## Conflict Resolution, BA (ASCNRBA)

**Campus:** West

**Program Description:**

The BA program in conflict resolution introduces students to theories and practices that enable them to understand, address and transform conflict while dealing with challenges both at the micro and macro levels in professional and cross-cultural contexts and in individual and collective interactions.

Taking an interdisciplinary approach, while being grounded in communication, graduates of the program are ready to pursue further education or careers in several diverse areas.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N  
**Second Language Requirement:** N  
**First Required Math Course:** MAT 142 - College Mathematics  
**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCNRBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates have great career prospects in business, education, government, nongovernmental agencies, law, health care advocacy, public and government administration, mediation and advocacy.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/conflict-resolution-degree>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Disability Studies, BA (ASDISASBA)

**Campus:** West

**Program Description:**

The BA program in disability studies explores historical, linguistic, social, artistic and legal dimensions of disability with the goal of improving the conditions of people whose lives are touched by disabilities.

With larger numbers of disabled people and disciplines focused on social justice, the new model for disability studies is that of empowerment rather than fixing a deficit. The curriculum combines theory and practice that prepare students to address injustices, exclusions and misapprehensions regarding disabilities through advocacy and self-advocacy, education, knowledge of the law and historical awareness.

Students in this major develop a professional-level digital portfolio of research in preparation for the job market.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N  
**Second Language Requirement:** N  
**First Required Math Course:** MAT 142 - College Mathematics  
**Program Math Intensity:** General



**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASDISASBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from this program find career opportunities in many fields, such as social justice, civil service, law, health care advocacy, social work, education, rehabilitative health care, counseling, business, policy and advocacy, government and with community and nongovernmental organizations.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/disability-studies>

FAB N100

HArCSadvising@asu.edu

602-543-3000

## English, BA (ASENGBA)

**Campus:** West

**Program Description:**

The BA in English degree program at the New College engages the social, environmental and political challenges of the day and helps students prepare for 21st century jobs. Courses in writing, literature, rhetoric, film and culture recreate traditional approaches to the study of English by engaging today's central issues and questions.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENGBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for graduate study programs including education, creative writing, literary history and rhetoric and composition public policy; for professional training in law, business, teaching and public policy; and for careers in marketing, public relations, government, diplomacy and community work, among others. Majors, minors and those enrolled in the writing certificate program prepare for the many professions in which problem-solving, creativity, research strengths, writing, interpersonal and digital skills are necessary and valued.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/english-degree>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

## English (Secondary Education), BA (ASENGSEBA)

**Campus:** West

**Program Description:**

The BA program in English with a concentration in secondary education provides rigorous content in literature, composition, linguistics and secondary teaching, extensively preparing students to meet the needs of all student populations, including attention to levels of student academic performance and cultural and linguistic diversity.

The demand for teachers in Arizona is high. Students complete their teaching internship in school districts in the greater Phoenix area or for one of the 22 Native American nations in Arizona.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENGSEBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the program earn Arizona Department of Education certification for middle and high school English language arts and are prepared for careers as secondary school teachers.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/english-secondary-education-degree>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Environmental Science, BA (ASENVBA)

**Campus:** West, ASU@Lake Havasu

**Program Description:**

The study of human impact on the earth's ecosystems and resources has become increasingly important over the past 20 years. The BA program in environmental science is dedicated to finding solutions to the challenges posed by climate change.

This degree program is founded on established environmental basics, ensuring that students are well-versed in biological study including molecular, organismal and ecosystem biology. Students gain competency in chemistry, statistics and geographic information systems. Rounding out student preparation, the program includes a focus on the management and communication skills necessary in various environmentally-specific careers.

The Bachelor of Arts in environmental science prepares graduates to find innovative and sustainable solutions to today's critical environmental challenges, including pollution and climate change. The world-renowned faculty conduct research across the globe and engage students in the process of creating new scientific knowledge that, in turn, impacts a rapidly changing world.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Environmental and Resource Management (Water Management), MS
- Environmental and Resource Management, MS
- Social Justice and Human Rights, MA

Social Technologies, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENVBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities for graduates of this program include employment in environmental policy, management or leadership positions in federal and state agencies, local municipality planning offices, private consulting firms, and nongovernmental and nonprofit organizations. Graduates of the program are also well qualified to pursue graduate studies in relevant areas of the natural sciences.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/environmental-science>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Environmental Science, BS (ASENVBS)

**Campus:** West, ASU@Lake Havasu

**Program Description:**

The study of human impact on the earth's ecosystems and resources has become increasingly important over the past 20 years. The BS program in environmental science is dedicated to finding solutions to the challenges posed by climate change.

This degree program is founded on established environmental basics, ensuring that students are well-versed in biological study including molecular, organismal and ecosystem biology. Students gain competency in chemistry, statistics and geographic information systems. Rounding out student preparation, the degree includes a focus on the management and communication skills necessary in various environmentally-specific careers.

The Bachelor of Science in environmental science prepares students to become graduates who will find innovative and sustainable solutions to today's critical environmental challenges, including pollution and climate change. The world-renown faculty conduct research across the globe and engage students in the process of creating new scientific knowledge that, in turn, will impact a rapidly changing world.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

OR MAT 210 Brief Calculus OR MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Environmental and Resource Management (Water Management), MS

Environmental and Resource Management, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENVBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities for graduates of this program include employment in federal and state agencies (such as the U.S. Bureau of Land Management, U.S. Environmental Protection Agency, U.S. Forest Service, etc.), private consulting firms and nongovernmental and nonprofit organizations. Graduates of the program are also well-qualified to pursue graduate studies in relevant areas of the natural sciences.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/environmental-science>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Exploratory Applied Computing, Mathematics and Technology, (ASACMTEXPL)

**Campus:** West

**Program Description:**

The exploratory applied computing, mathematics and technology track provides students with the opportunity to explore a variety of majors related to applied computing, mathematics and technology professions.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide students the opportunity to discover the options available at ASU, and they are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASACMTEXPL-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/programs/exploratory-applied-computing-mathematics-and-technology>

FAB N100

[mnsadvising@asu.edu](mailto:mnsadvising@asu.edu)

602-543-3000

## Exploratory Health and Life Sciences, (ASHSCIEXPL)

**Campus:** West

**Program Description:**

The exploratory health and life sciences track provides students with the academic opportunities and resources needed to explore a variety of majors related to health and life science professions.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide students an opportunity to discover the options available at ASU, and they are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra OR MAT 170 Precalculus OR MAT 210 Brief Calculus OR MAT 270 Calculus w/Analytic Geometry I

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHSCIEXPL~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/programs/exploratory-health-and-life-sciences>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Exploratory Humanities, Fine Arts and Design, (ASHUFAEXPL)

**Campus:** West

**Program Description:**

The exploratory humanities, fine arts and design track provides students with the academic opportunities to explore a variety of majors related to humanities, fine arts and design professions.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide students an opportunity to discover the options available at ASU, and they are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** N

**Second Language Requirement:** N

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 credit hours while they are an exploratory student.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHUFAEXPL~null + &college=CAS>) to outline a list of recommended

courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/programs/exploratory-humanities-fine-arts-and-design>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Exploratory Social and Behavioral Sciences, (ASSBSEXPL)

**Campus:** West

**Program Description:**

The exploratory social and behavioral sciences program provides students with the academic opportunities and resources needed for exploring a variety of majors related to careers in the social sciences.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide an opportunity to discover the options available at ASU and students are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** N

**Second Language Requirement:** N

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSBSEXPL-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**



Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/programs/exploratory-social-and-behavioral-sciences>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Forensic Science, BS (ASFOREBS)

**Campus:** West, Online

### Program Description:

Forensic science is the study and application of scientific methods to matters of law. The BS program in forensic science emphasizes laboratory coursework in chemistry and biology as both areas provide essential experience with techniques commonly used in crime labs.

Rigorous coursework in the natural and mathematical sciences is required to ensure graduates are competitive in the workforce. The program is enhanced by a focus on oral communication skills that help prepare graduates for the multifaceted, transdisciplinary aspects of careers in forensic science, such as providing articulate expert witness testimony.

If a student is interested in pursuing a career as a forensic DNA analyst, nine cumulative hours of coursework in biochemistry, molecular biology and genetics are required, and coursework in population genetics is desirable. Students should note that the addition of these courses to the academic program may mean the student would have more than 120 credit hours. Employers may require documentation for completed coursework, such as an official course syllabus.

Forensic science students may apply for and participate in internships sponsored by metropolitan Phoenix area crime labs or other crime labs around the country. Internships are competitive, and the application process takes time. Generally, fall semester internships require application in the spring semester prior, and spring or summer semester internships require application by the start of the preceding fall semester. Internship positions are unpaid and require concurrent enrollment in FOR 484 Internship. Also, students must have a faculty mentor and abide by all internship standards of the school and those of the organization providing the internship. Students may also participate in cutting-edge research with a faculty mentor either as a volunteer in the faculty member's lab or by registering for FOR 499 Individualized Instruction. For more information, students should see an academic advisor.

Job applicants and students seeking a volunteer or internship position within a crime lab are required to undergo an extensive background check that includes a polygraph exam, fingerprinting and drug testing. Actions that can disqualify an applicant include recent or past illicit drug use (this includes marijuana), felony convictions and drunk driving convictions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 251 Calculus for Life Sciences

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASFOREBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Scientific and technological advances in the field of forensic science as well as continually increasing caseloads in law enforcement are projected to increase the number of forensic science technicians needed over the next decade. The U.S. Bureau of Labor Statistics estimates that between 2016 and 2026, employment of forensic science technicians will increase 17%, an average increase much greater than most occupations.

Forensic science program graduates are prepared to enter the workforce with crime labs and private forensic science labs at the local, state and federal levels. Graduates also are prepared for graduate programs in forensic science, law school, medical school and related fields.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/forensics-science-degree>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## History, BA (ASHISBA)

**Campus:** West

**Program Description:**

The BA program in history introduces students to a broad span of history that covers the ancient world through the modern period and extends from Europe to Latin America and the United States. In addition to learning about the origins and development of various peoples, ideas and institutions of the past, students engage in the practice of history by learning to conduct research, analyze historical evidence and formulate arguments using historiographical perspectives and methodological approaches.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHISBA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared for graduate study, for professional degree programs and for careers in which critical thinking, research and writing skills are highly valued, such as journalism, editing, law and civil service.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/history-studies-degree>  
FAB N100  
harcсадvising@asu.edu  
602-543-3000

## History (Secondary Education), BA (ASHISSEBA)

**Campus:** West

**Program Description:**

The flexible BA program in history with a concentration in secondary education fully prepares students considering a career in education for teaching and certification and provides all the disciplinary knowledge of a traditional history degree. Students understand history in all its breadth and depth while developing strong critical reading, writing and research skills as well as skills in oral presentation.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHISSEBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates possess the strong, practical teaching tools necessary to successfully teach middle or high school students. With the ability to find and evaluate evidence, form arguments and present analysis, graduates are well suited for careers in a wide range of industries and fields of work, and they have a solid foundation for graduate work in teaching, law, business and many other fields.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/history-secondary-education-degree>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Interdisciplinary Arts and Performance, BA (ASIAPBA)

**Campus:** West, Online

**Program Description:**

Students in the BA program in interdisciplinary arts and performance engage with faculty in collaborative investigation of many disciplines, preparing for the complex and changing world through current approaches to artistic and aesthetic research.

Students in this major engage in practical and theoretical studies of visual, sonic, performance, game and interactive arts to become versatile artists. With skill sets preparing them for professional and entrepreneurial opportunities, they can tap into evolving marketplaces and expanding fields of arts research and practice.

Students who major in interdisciplinary arts and performance receive extensive preparation for careers as artists, performers and creative professionals, and they develop solid foundations useful for teaching and scholarship.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASIAPBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Since 1992, graduates of this nationally recognized program have been prepared for advanced study in the performing arts, visual arts, interactive arts or arts-related professions in digital design, film editing, set and lighting design, theatre, sound arts, toy development, board game development and video game development.

Interdisciplinary arts and performance graduates have gone on to occupations as varied as:

- art administrator
- art therapist
- arts writer and critic
- board game developer
- composer
- digital designer
- film and video editor
- game tester
- illustrator
- performing artist
- recording artist and studio professional
- set and lighting designer
- sound artist
- theatre artist
- video game designer
- videographer
- visual artist

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/interdisciplinary-arts-and-performance>  
FAB N100  
harcсадvising@asu.edu  
602-543-3000

## **Interdisciplinary Arts and Sciences, BA (ASIASBA)**

**Campus:** West

#### **Program Description:**

Today's employment landscape is evolving into one that prizes expertise in an increasing number of specialized fields. The BA program in interdisciplinary arts and sciences allows students to build a flexible, customized degree that is unique to their specific career goals. For example, a business degree with an emphasis in communications can lead to employment opportunities that aren't as easily accessed by a traditional business degree alone.

By providing the opportunity to combine disciplines, the college equips students with the specialized education they need to reach their individual career goals.

This degree program culminates in a capstone internship experience that provides real-world perspective, skills and connections, creating versatile graduates and attractive job applicants for the corporate world.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Global Management, MGM
- Interdisciplinary Studies, MA
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASIASBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Students tailor their programs to meet individualized career goals by emphasizing interdisciplinary study combined with a specific area of concentration (e.g., business, communication studies, English, gerontology, history, psychology or preprofessional studies). The capstone internship prepares students to make the transition smoothly to graduate school or postbaccalaureate employment in:

- business settings
- community settings
- cultural settings
- educational settings
- social sciences and human service settings

Students planning to pursue graduate or professional degrees in law, business, helping professions or in traditional disciplines benefit from the flexibility of this program that prepares them for a broad range of future academic and career pursuits.

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/interdisciplinary-arts-and-sciences-degree>  
FAB N100  
harcadvising@asu.edu  
602-543-3000

## **Latin American Studies, BA (ASLASBA)**

**Campus:** West

#### **Program Description:**

The BA program in Latin American studies offers a learner-driven model in which the student's specific interests are deepened through the study of Latin America cultures, histories, politics and linguistic expressions. It is interdisciplinary and allows for flexibility in course selection while also instilling a breadth and depth of knowledge about issues surrounding Latin America. This degree program encourages cross-cultural exploration, preparing students for a global-minded career path.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Global Management, MGM

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLASBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for further study in graduate or professional schools and in dual-language environments, including:

- arts and arts administration
- business and finance
- counseling
- diplomacy
- education
- health care
- journalism
- law enforcement
- library science
- ministry
- nonprofit organizations and advocacy
- science
- social sciences
- sports
- technology

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/latin-american-studies-degree>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Pharmacology and Toxicology, BS (ASPTXBS)

**Campus:** West

### Program Description:

Students in the BS program in pharmacology and toxicology study how foreign materials react with human bodies. To have a thorough understanding of the interactions of chemicals in the biological system, students in the program study both biology and chemistry, and they become familiar with chemical interactions at physiological, molecular and cellular levels.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus OR MAT 251 Calculus for Life Sciences

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biological Data Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPTXBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

With a heavy focus on experiential learning within the laboratory, graduates of the pharmacology and toxicology degree program are better prepared to obtain careers in diverse areas such as government, industry, health care and business. The pharmacology and toxicology degree program prepares students for a number of career paths including:

- environmental risk assessor or consultant
- laboratory researcher
- pharmacist
- physician
- physician's assistant



- toxicologist
- veterinarian

Graduates also may work at governmental agencies or at private companies in areas such as:

- Arizona Department of Environmental Quality
- city government
- clinical trials
- Environmental Protection Agency
- product safety evaluation
- regulatory affairs
- teaching

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
 School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/pharmacology-and-toxicology>  
 FAB N100  
 mnsadvising@asu.edu  
 602-543-3000

## Philosophy, Religion and Society, BA (ASRELBA)

**Campus:** West

**Program Description:**

The BA program in philosophy, religion and society comprises historical, theoretical and practical perspectives on philosophy, religion and social ethics, and it emphasizes social and political concerns by putting the studies of philosophy and religion into action.

This interdisciplinary degree program offers three areas of concentration: applied ethics, continental philosophy and religious studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Global Management, MGM
- Interdisciplinary Studies, MA
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASRELBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for graduate study or employment in the fields explored through their required internships, including business, criminal justice, education, government, human resources, law enforcement, law, media, medicine, religious organizations and social services.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/philosophy-religion-and-society-degree>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Political Science, BA (ASPOLBA)

**Campus:** West, ASU@Lake Havasu

**Program Description:**

Political science is the study of governmental practices, politics and theories. Coursework in the BA program in political science covers American institutions, international relations, political theory and world affairs.

The program helps students gain a basic understanding of the assumptions underlying political science and helps them develop the necessary research skills for analyzing complex sociopolitical issues. In addition to coursework, students learn through internships, service-learning and research opportunities.

Graduates of this program are prepared for work as analysts or aides in local, state or national legislative offices, among other roles. Many graduates go on to law school or graduate programs in political science, social science, urban planning or public administration.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Global Management, MGM

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPOLBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in:

- political science
- professional schools
- social science disciplines
- urban planning

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry.

Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border. Many use the degree as a gateway to law school or as basis for further study in such applied fields as:

- community development
- public administration
- public policy
- urban affairs and urban and regional planning

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/political-science-degree-ba>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Political Science, BS (ASPOLBS)

**Campus:** West

**Program Description:**

The School of Social and Behavioral Sciences offers a BS in political science in the New College of Interdisciplinary Arts and Sciences.

Political science is the study of governmental practices, politics and theories. Coursework in the political science program covers American institutions, international relations, political theory and world affairs. This program helps students gain a basic understanding of the assumptions underlying political science and to develop the necessary research skills for analyzing complex sociopolitical issues. In addition to coursework, students learn through internships, service-learning and research opportunities. The Bachelor of Science degree differs from the BA degree in that it requires an additional statistics course and a methods course.

Graduates of this program are prepared for work as analysts or aides in local, state or national legislative offices, among other roles. Many graduates go on to law school or graduate programs in political science, social science, urban planning or public administration.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Global Management, MGM

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPOLBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in:

- political science
- professional schools
- social science disciplines
- urban planning

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal governments. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local governments or local community groups on both sides of the border. Many students use the degree as a gateway to law school or basis for further study in such applied fields as:

- community development
- public administration
- public policy
- urban affairs
- urban and regional planning

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences

<https://newcollege.asu.edu/political-science-degree-bs>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

## Psychology, BA (ASPGSBA)

**Campus:** West, ASU@Lake Havasu, Online

### Program Description:

Psychology is the scientific study of human behavior. This diverse field includes mental health and counseling as well as child development, neuroscience and brain function, memory and decision-making, behavior analysis, statistics and more. It also crosses over into other disciplines such as medicine, law, business and economics.

This BA program in psychology --- emphasizing critical thinking and reasoning, quantitative research methods and writing --- goes beyond the classroom, adding practical experiences through internships, service-learning and faculty-supervised research. (Some opportunities are not available to students enrolled in the degree offered through ASU Online.)

Graduates are prepared for graduate programs in psychology or other areas as well as for professional employment.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics

OR MAT 170 Precalculus

**Program Math Intensity:** Moderate

### Accelerated Degree Options:

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Global Management, MGM

Interdisciplinary Studies, MA

Psychology, MS

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-psychology/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

A degree in psychology prepares students for a career in:

- government (sales and marketing, human resources management)
- industry
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- health
- legal
- physiological
- social

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences

<https://newcollege.asu.edu/psychology-degree-ba>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## **Psychology, BS (ASPGSBS)**

**Campus:** West, ASU@Lake Havasu, Online

#### **Program Description:**

Psychology is the scientific study of human behavior. This diverse field includes mental health and counseling as well as child development, neuroscience and brain function, memory and decision-making, behavior analysis, statistics and crosses into other disciplines such as medicine, law, business and economics.

Emphasizing critical thinking and reasoning, and quantitative research methods and writing, this BS program in psychology goes beyond the classroom with practical experiences through internships, service-learning and faculty-supervised research. (Some opportunities are not available to students enrolled in the degree offered through ASU Online.)

The Bachelor of Science degree differs from the Bachelor of Arts degree in that it requires two additional lab courses and advanced statistical training, providing a greater depth of knowledge in the biological and neuroscientific aspects of psychology that are increasingly important both for research and for clinical practice. The advanced statistical training further prepares students for careers and graduate training involving psychological research, clinical research and legal policy research.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and

master's degree with:

- Communication Studies, MA
- Global Management, MGM
- Interdisciplinary Studies, MA
- Psychology, MS
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-psychology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students are prepared for careers in:

- government (sales and marketing, human resources management)
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/psychology-degree>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

**Campus:** West, Online

**Program Description:**

Forensic psychology is the application of psychology to the law. The concentration in forensic psychology within the BA program in psychology combines general training in psychology with specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders and legal decision-making.

When courts are faced with cases in which a psychology-related question arises, they may turn to psychologists for help with the case. For example, psychologists might assist the court in understanding a criminal's mental state at the time of a crime or in determining whether a particular jury might have been biased against a defendant based on his or her race. This is the realm of forensic psychology.

This program teaches students about the various roles for psychologists in the legal system and helps them discover which roles they might like to pursue through careers in mental health, criminal justice or through graduate training.

The Bachelor of Arts degree differs from the BS degree in that it does not require two additional lab science courses.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics OR MAT 170 Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-psychology-forensic-psychology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSFPBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Arts program in psychology with a concentration in forensic psychology prepares students for careers in the criminal justice and mental health fields. Many careers in psychology require graduate training, and this program is also designed to prepare students for master's degree and doctoral programs in legal, clinical and forensic psychology.



**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/forensic-psychology-ba>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Psychology (Forensic Psychology), BS (ASPGSFPBS)

**Campus:** West, Online

**Program Description:**

Forensic psychology is the application of psychology to the law. The concentration in forensic psychology within the BS program in psychology combines general training in psychology with specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders and legal decision-making.

When courts are faced with cases in which a psychology-related question arises, they may turn to psychologists and ask for help with the case. For example, psychologists might assist the court in understanding a criminal's mental state at the time of a crime or whether a particular jury might have been biased against a defendant based on his or her race. This is the realm of forensic psychology.

This program teaches students about the various roles of psychologists in the legal system and helps them discover which roles they might like to pursue through careers in mental health, criminal justice or through graduate training.

The Bachelor of Science degree differs from the BA degree in that it requires two additional lab courses and advanced statistical training. The Bachelor of Science program provides a greater depth of knowledge in the biological and neuroscientific aspects of psychology that are becoming increasingly important both for research and clinical forensic practice. In addition, the advanced statistical training further prepares students for careers and graduate training involving psychological research, clinical research and legal policy research.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-psychology-forensic-psychology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSFPBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Science degree program in psychology with a concentration in forensic psychology prepares students for careers in the criminal justice and mental health fields. Many careers in psychology require graduate training, and this program also is designed to prepare students for master's degree and doctoral programs in legal, clinical and forensic psychology.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/forensic-psychology-bs>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Social Justice and Human Rights, BA (ASJHRBA)

**Campus:** West

**Program Description:**

The BA program in social justice and human rights spans the social sciences and the humanities to prepare students to meet the challenges of 21st century issues of social justice and protection of human rights in local, national, international and global contexts. The degree program introduces students to principles and practices of everyday humanitarianism, multimedia advocacy and theories and practices of social justice and human rights.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASJHRBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students with this degree are employable in a variety of settings, including refugee resettlement agencies; agencies and shelters supporting survivors of domestic abuse; shelters for migrants, especially for unaccompanied minors; disaster relief agencies; organizations assisting survivors of sex trafficking and human labor trafficking; and agencies assisting veterans and others suffering from post-traumatic stress. Career opportunities include:

- charitable fundraiser (e.g., Nina M. Pulliam Charitable Trust staff)
- ethnic studies professor
- grant writer
- humanitarian aid worker (e.g., UNHCR aid worker, Oxfam aid worker)
- international governmental organization professional (e.g., United Nations staff)
- justice studies professor
- nongovernmental organization professional (e.g., International Rescue Committee professional)
- nonprofit agency manager (e.g., Special Olympics Arizona, international manager)
- women and gender studies professor

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-justice-and-human-rights>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Social and Behavioral Sciences, BA (ASSBSBA)

**Campus:** West

**Program Description:**

The curriculum of the BA program in social and behavioral sciences provides an understanding of assumptions underlying the social and behavioral sciences, develops students' research skills for analysis of complex social issues, offers a flexible program tailored to the career goals of the individual student and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students with a background suitable to helping them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., family, community, society and culture).

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics Students who select the individual and behavior theme area need to have completed MAT 170 Precalculus in order to meet the prerequisite requirements of courses in that area.

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Global Management, MGM
- Interdisciplinary Studies, MA
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSBSBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The interdisciplinary degree is an excellent option that matches the individual's interests and fulfills many employers' expectations of a bachelor's degree, namely that it should expose the student to a variety of outlooks and challenges.

Such a degree is competitive in most situations in which the disciplinary social and behavioral degrees are accepted, and it is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

This degree program provides a solid background in social sciences and methodologies that prepares students for graduate work in community development, counseling, criminal justice, professional schools (e.g., law, public administration, social work), public policy, social science disciplines and urban studies or planning.

Other careers include:

- border patrol officer
- community developer
- customer services manager
- housing specialist
- human relations officer
- immigration advocate
- lawyer
- lobbyist
- mediator
- nonprofit manager
- social sciences professor
- social services case worker
- statistical analyst
- urban planner
- victim's advocate

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences

<https://newcollege.asu.edu/social-and-behavioral-sciences-degree-ba>

FAB N100

[sbsadvising@asu.edu](mailto:sbsadvising@asu.edu)

602-543-3000

## Social and Behavioral Sciences, BS (ASSBSBS)

**Campus:** West

### Program Description:

The curriculum of the BS program in social and behavioral sciences provides an understanding of assumptions underlying the social and behavioral sciences, enables students to develop research skills necessary for analysis of complex social issues, offers a flexible program tailored to the career goals of the individual student and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students a background suitable to help them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., community, culture, family and society). The Bachelor of Science degree differs from the BA degree in that it has a stronger focus on the use of statistics.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics OR MAT 117 College Algebra

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Global Management, MGM

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSBSBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The interdisciplinary degree is an excellent option that matches the individual's interests and fulfills many employers' expectations of a bachelor's degree, namely that it should expose the student to a variety of outlooks and challenges.

Such a degree is competitive in most situations in which the disciplinary social and behavioral degrees are accepted, and it is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

The degree program also provides a solid background in social sciences and methodologies that prepares students for graduate work in community development, counseling, criminal justice, professional schools (e.g., law, public administration, social work), public policy, social science

disciplines, and urban studies or planning.

Possible careers include:

- border patrol officer
- community developer
- customer services manager
- housing specialist
- human relations officer
- immigration advocate
- lawyer
- lobbyist
- mediator
- nonprofit manager
- social sciences professor
- social services case worker
- statistical analyst
- urban planner
- victim's advocate

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/social-and-behavioral-sciences-degree>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## Social and Cultural Analysis (American Studies), BA (ASSCAASBA)

**Campus:** West

**Program Description:**

The BA program in social and cultural analysis with a concentration in American studies engages in the transdisciplinary and comparative study of the United States as a cultural and political site of ongoing change and conflict.

Students learn diverse methods of analyzing nationalist politics, public and private cultural practices, transnationalism and the nation-making processes of migration, in keeping with the creative and critical scholarship of the discipline. The curriculum also brings attention to identity formations around gender, sexuality, race and ethnicity.

As a transdisciplinary field, American studies unites the social sciences, the humanities and the arts to stimulate students into engaging in rigorous and adventurous conversations about American culture, politics and history. Students explore knowledge beyond disciplinary boundaries by bringing differing perspectives and understandings into dialogue with one another and generating a unique level of intellectual rigor and excitement.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAASBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations.

Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/social-and-cultural-analysis-american-studies>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## **Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA (ASSCAERBA)**

**Campus:** West

#### **Program Description:**

The BA program in social and cultural analysis with a concentration in ethnicity, race and indigenous studies combines transdisciplinary topics and methods to critically analyze relationships among individuals, groups, institutions, governments, economies and environments.

The program enriches the study of individual racialized and indigenous groups by drawing upon theories, methods and pedagogies in ethnicity, race and indigenous studies while engaging complementary fields of literature, history, sociology, oral history, sexuality, queer studies, social justice and transnational and cultural studies. Coursework grounds the students in a deep understanding of the particular historical, social, economic, cultural and political experiences of individual racialized groups as well as in an analysis of the relationships among them.

select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAERBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations.

Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/social-and-cultural-analysis-ethnicity-race-and-indigenous-studies>



FAB N100  
harcadvising@asu.edu  
602-543-3000

## Social and Cultural Analysis (Latin American Studies), BA (ASSCALABA)

**Campus:** West

### Program Description:

The BA in social and cultural analysis with a concentration in Latin American studies provides a broad and vibrant framework for studying the diverse societies of Latin America, including diasporic communities, and it presents rich opportunities for cross-cultural study. The program is designed to provide a transdisciplinary approach to the literature, film, history, politics and culture of both Latin America and Latinas and Latinos living in the United States.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCALABA-null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in public service, education, business, humanitarian work, law or health care.

Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies

- law firms
- libraries
- museums
- nongovernmental organizations
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
 School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/social-and-cultural-analysis-latin-american-studies>  
 FAB N100  
[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)  
 602-543-3000

## Social and Cultural Analysis (Peace Studies), BA (ASSCAPSBA)

**Campus:** West

**Program Description:**

The BA program in social and cultural analysis with a concentration in peace studies is a unique, transdisciplinary offering that fosters a critical investigation of peace. It does so primarily through a humanities lens, but not exclusively, and it provides an analysis of peace in connection with issues such as gender, ethnicity, race and religion.

Students learn many perspectives on peace and approaches to it, including theories and practices of peace building, nonviolence, and conflict avoidance and resolution. The program builds on the expertise of faculty in the humanities and social sciences in fields such as history, linguistics, literature, ethics, philosophy, sociology, ethnic studies, and women and gender studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU

(<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAPSBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

There is a growing concern for peace building within social and political institutions. As a consequence, numerous jobs now exist in peace-related sectors.

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations. Knowledge gained can be applied toward professional and personal advancement in education, writing, policy, law, cross-cultural communication, ethics and work with nongovernmental organizations.

Due to the emphasis on the social aspects of peace, diversity and identity, students develop an awareness of the needs of diverse populations and the discourses that help create a culture of peace, enabling them as graduates to apply their knowledge to areas as diverse as the following:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/social-and-cultural-analysis-peace-studies>  
FAB N100  
harcadvising@asu.edu  
602-543-3000

## **Social and Cultural Analysis (Queer and Sexuality Studies), BA (ASSCAQSBA)**

**Campus:** West

#### **Program Description:**

The BA program in social and cultural analysis with a concentration in queer and sexuality studies combines transdisciplinary topics and methods to critically analyze the function of ideologies of sexuality, the history and present conditions of sexual identity formation, structural inequalities and queer resistance to those same inequalities and the diversity of LGBTQ communities.

Drawing from the premise that sex, gender and sexual orientation are both private experiences as well as profoundly political and public issues with important legal, social and cultural implications, the intellectual core of this program draws from theories, methods and pedagogies in queer theory and sexuality studies while engaging complementary fields of social justice, cultural studies, women's studies, gender studies, literature, history, sociology, psychology and transnational studies. Areas of emphasis include sexuality in culture, transnational queer studies, queer social movements and resistance, sexual fluidity, trans studies and critical heterosexualities.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAQSBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Due to the emphasis on culture and identity, the program cultivates respect for and sensitivity to diverse populations; graduates of the program are prepared with the skills and knowledge necessary for graduate work as well as for careers in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations
- the Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<https://newcollege.asu.edu/social-and-cultural-analysis-queer-and-sexuality-studies>

FAB N100

[harcsadvising@asu.edu](mailto:harcsadvising@asu.edu)

602-543-3000

**Social and Cultural Analysis (Women and Gender Studies), BA (ASSCAWSBA)**

**Campus:** West

**Program Description:**

The BA program in social and cultural analysis with a concentration in women and gender studies offers students a transdisciplinary curriculum that focuses on the diverse experiences of women in both national and international contexts. The program also examines the meaning of gender as a

socially constructed category that shapes personal identities, beliefs, opportunities and behaviors.

The wide range of classes explores the intersections of gender, race, class and sexuality; the institutional structures that have an impact on women's and men's lives; and the broad range of feminist theories that seek to explain and influence women's status in society. Areas of emphasis include gender and sexuality, critical race feminisms, gender and the borderlands, transnational feminisms, social activism and social movements, histories of feminism and critical embodiment studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAWSBA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for careers in advocacy, politics and community-facing corporate roles or to continue to graduate studies programs.

Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations
- the Peace Corps
- political action groups
- public relation firms

- research organizations
- social service agencies

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/social-and-cultural-analysis-women-and-gender-studies>  
FAB N100  
harc sadvising@asu.edu  
602-543-3000

## Sociology, BA (ASSOCBA)

**Campus:** West, ASU@Lake Havasu

**Program Description:**

Sociology is the study of the organization and development of societies and the institutions within them. The sociology program helps students better understand the development, structure, interaction and collective behavior of organized groups.

The program explores the theories, practices and policies underlying the issues of social change, inequality and diversity. This BA program in sociology provides training in important research skills used to describe, interpret and evaluate evidence across diverse settings important in the economy.

This is a flexible program that provides opportunities for students to work collaboratively with faculty on intellectual and policy issues and helps them develop the research skills necessary for the analysis of complex social issues. The Bachelor of Arts differs from the BS in that it does not require an additional methods course.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Communication Studies, MA
- Global Management, MGM
- Interdisciplinary Studies, MA
- Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSOCBA~null + &college=CAS>) to outline a list of recommended courses to

take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates are prepared for employment in corporate or governmental organizations or to continue their studies in graduate programs in sociology, social science or professional schools.

Graduates apply the sociological perspective to a wide variety of jobs in:

- business and management
- government
- social services
- the criminal justice system
- the health professions

Coursework in sociology provides a valuable preparation for careers in:

- journalism
- law
- nonprofit sector
- politics
- public administration
- public relations

These are all fields that involve investigative skills and an ability to work with diverse groups. Graduates with an advanced degree in sociology may become:

- community activists
- community developers
- criminologists
- demographers
- gerontologists
- organizational advocate
- research analysts
- statisticians
- survey researchers
- urban planners

#### **Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/sociology-degree-ba>  
FAB N100  
sbsadvising@asu.edu  
602-543-3000

## **Sociology, BS (ASSOCBS)**

**Campus:** West

#### **Program Description:**

Sociology is the study of the organization and development of societies and the institutions within them.

The BS in sociology program helps students better understand the development, structure, interaction and collective behavior of organized groups. They explore the theories, practices and policies underlying the issues of social change, inequality and diversity. This sociology program provides training in the important research skills used to describe, interpret and evaluate evidence across diverse settings important in the economy.

This is a flexible program that provides opportunities for students to work collaboratively with faculty on intellectual and policy issues and helps them develop the research skills necessary for the analysis of complex social issues. The Bachelor of Science differs from the Bachelor of Arts degree in that it requires an additional methods course.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Global Management, MGM

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSOCBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for employment in corporate or governmental organizations or to continue their studies in graduate programs in sociology, social science or professional schools.

Graduates apply the sociological perspective to a wide variety of jobs in:

- business and management
- government
- social services
- the criminal justice system
- the health professions
- the nonprofit sector

Graduates receive valuable preparation for careers in:

- journalism
- politics
- public administration
- public relations

Graduates with an advanced degree in sociology and who have the investigative skills and ability to work with diverse groups may become:



- community activists
- community developers
- criminologists
- demographers
- gerontologists
- organizational advocates
- research analysts
- statisticians
- survey researchers
- urban planners

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
 School of Social and Behavioral Sciences  
<https://newcollege.asu.edu/sociology-degree>  
 FAB N100  
 sbsadvising@asu.edu  
 602-543-3000

**Spanish, BA (ASSPABA)**

**Campus:** West

**Program Description:**

The BA program in Spanish emphasizes language studies and examines the cultural production of Spanish-speaking communities, in Spanish.

This program provides students with the skills to communicate confidently in both a written and oral form. Students learn the history, arts, literature and cultures of Spanish-speaking countries. Graduates are prepared for graduate study, specialized professional training, government careers and commercial and international careers.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSPABA~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Spanish program offers excellent preparation for graduate school or for employment as a teacher in the elementary or secondary school system, especially in those districts where bilingual programs are integral to the curricula. Outside the education system, students majoring in Spanish find employment as translators and interpreters in:

- diplomatic corps
- federal and state courts
- law enforcement agencies
- law firms
- social agencies

The business world also provides employment for those fluent in Spanish. This is especially true in the American Southwest, with its proximity to Mexico and through outlets opened by multinational trade agreements.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/spanish-degree>  
FAB N100  
harcadvising@asu.edu  
602-543-3000

## Statistics, BS (ASSTABS)

**Campus:** West

**Program Description:**

Almost every industry in the modern economy relies on the collection and analysis of data. The BS program in statistics prepares students to meet the demands of the ever-growing data analysis field and is a launching pad for a statistics-driven career.

Through innovative research opportunities and internships with Phoenix-area corporations, including PING, students build a solid foundation of mathematics and computing, helping them grasp a thorough understanding of both theoretical and practical statistics. This background prepares students for careers in many fields.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biological Data Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSTABS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

In the era of big data, there is great demand for individuals with all levels of statistical training. Graduates of this program have an understanding of the transdisciplinary nature of statistics and are prepared for graduate study in statistics and related areas or for entry-level positions in a variety of fields, including business, government, the natural and social sciences, engineering, health care and more.

Statisticians are in high demand in many areas of industry, government and academia. Some areas with particularly high demand include:

- finance
- manufacturing
- medical
- pharmaceutical

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Mathematical and Natural Sciences  
<https://newcollege.asu.edu/statistics-degree>  
FAB N100  
mnsadvising@asu.edu  
602-543-3000

## Women and Gender Studies, BS (ASWSTBS)

**Campus:** West

**Program Description:**

This interdisciplinary BS program in women and gender studies has a qualitative emphasis and explores intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

Consistent with the university's design imperatives of social embeddedness and use-inspired research, the program's course offerings, research initiatives and cocurricular programs further the understanding of women and gender and promote social justice. Students gain a solid knowledge base and educational foundation as well as the critical thinking skills necessary for dealing with changing gender roles in society.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Communication Studies, MA

Interdisciplinary Studies, MA

Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASWSTBS~null + &college=CAS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for further study in graduate or professional programs as well as for careers in a variety of settings, including health care services, human resources development, public and business administration and social services.

**Contact Information:**

Interdisciplinary Arts and Sciences, New College of  
School of Humanities, Arts, and Cultural Studies  
<https://newcollege.asu.edu/women-and-gender-studies>  
FAB N100  
[harc sadvising@asu.edu](mailto:harc sadvising@asu.edu)  
602-543-3000

## Journalism and Mass Communication, Walter Cronkite School of

### Digital Audiences, BS (CSDIGABS)

**Campus:** Online

**Program Description:**

In an increasingly digital world, virtually all companies and organizations are looking for professionals who know how to grow and engage audiences online. The BS program in digital audiences prepares students to reach audiences strategically with digital content and to demonstrate measurable growth. The program features unique, high-value courses covering audience research and behavior, audience engagement and digital audience growth.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/digital-audiences-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSDIGABS-null + &college=CCS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Professionals with expertise in digital content strategy are in high demand across sectors and industries. Among the many career opportunities available are positions such as digital strategists, social media managers, public relations specialists, engagement managers, digital news editors, political campaign strategists, digital marketers, community organizers and corporate branding specialists.

**Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/>  
CRONK 222  
cronkiteadvising@asu.edu  
602-496-5055

## Digital Media Literacy, BA (CSDMLBA)

**Campus:** Online

**Program Description:**

Organizations of all sizes, public and private, are learning to cope with unprecedented change in how people interact with and use information. The BA program in digital media literacy prepares students to be at the forefront of the important strategic and ethical issues related to digital media, including automation, verification, security and privacy.

Graduates of the program are able to use cutting-edge tools and tactics to analyze the context of the media people consume. They are able to verify and interpret information to make decisions that improve their own lives and that benefit the larger society.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/digital-media-literacy/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU

(<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSDMLBA~null + &college=CCS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of this program pursue a variety of professional and educational opportunities. The program's liberal arts foundation --- including critical thinking, communication, research and problem solving --- gives students the intellectual agility to thrive in many fields. Specialization in the technical, ethical, legal, social and economic aspects of digital media are especially valuable, as employers of all sizes try to leverage digital media in serving consumers.

"Everyone's job is changing," Brookings Institution senior fellow Mark Muro told Education Week (2018) after publication of Digitalization and the American Workforce: "The ability to read and then conduct first-order analysis of digital information is highly valued in almost all work environments."

As organizations try to keep up with digital transformation and plan for the future, having a deep understanding of how digital ecosystems work will be critical. Demand for graduates of digital media literacy in fields such as health care communication, public service and sustainability is anticipated to rise, and the U.S. Department of Labor categorizes many jobs in these areas as having a "bright outlook" in the job market.

Given increasing emphasis on teaching media literacy at every age level, graduates can expect to find employment opportunities in a variety of educational settings, and some students may pursue graduate school in disciplines such as education, library science, law, public policy, business, public relations, digital strategy and journalism.

#### **Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/>  
CRONK 302  
cronkiteadvising@asu.edu  
602-496-5055

## **Journalism and Mass Communication, BA (CSJMCBA)**

**Campus:** Downtown Phoenix

#### **Program Description:**

The BA program in journalism and mass communication at ASU's Walter Cronkite School of Journalism and Mass Communication, widely regarded as one of the nation's premier journalism schools, is a highly professional, hands-on degree program that prepares students for careers in media and communications.

Through access to a world-class faculty of veteran and current journalists, and with prestigious internships and hands-on learning opportunities, undergraduate students learn the values and principles that have long formed the core of the journalism profession, and they master the highly specialized, practical skills needed to succeed in today's digital world.

Topics of study can include unique courses in digital media, broadcast news, innovation and entrepreneurship, audience engagement, public relations and Spanish-language news. The Cronkite School's full-immersion professional programs afford students the opportunity to gain experience in activities like hosting the evening news on AZ PBS and creating digital advertising campaigns.

High-performing students can apply to the school's accelerated bachelor's degree and master's degree program, which allows for the completion of both degrees in five years. They also can become part of ASU's Barrett, The Honors College.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics  
or any MAT course that satisfies the math requirement

**Program Math Intensity:** General

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

- Geography (Meteorology-Climatology), BS
- Graphic Information Technology, BS
- Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA
- Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA
- Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Master of Mass Communication, MMC
- Sports Journalism, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The Bachelor of Arts in journalism and mass communication degree program has higher admission requirements. Students should select a second choice major on the application. All applications are reviewed by the school. Those who are not admitted to the Cronkite School are, if eligible, admitted to their second choice of major.

Freshman applicants must meet all of the following standards:

- a cumulative ABOR GPA of 3.00 (4.00 = "A") or a score of 22 on the ACT (24 for nonresidents) or a score of 1120 on the SAT (1180 for nonresidents), and
- no high school English competency deficiencies

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- minimum ABOR GPA of 3.75
- no English competency deficiencies
- 1040 SAT Reasoning if taken before March 2016 or 1120 SAT Reasoning if taken after March 2016 or 22 ACT score

Transfer Admission Requirements:

Transfer students (classified as those with 12 or more transfer credit hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies.

Transfer students with 24 or more transferable credit hours after high school graduation are required to have a cumulative transfer GPA of 3.00 or higher.

Transfer students should contact the school for additional steps after admission to ASU.

For more information regarding transfer admission, students should visit <https://cronkite.asu.edu/degree-programs/admissions/transfer-students> (<https://cronkite.asu.edu/degree-programs/admissions/transfer-students>).

Concurrent degree admission requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:**

ASU students who would like to change their major to journalism and mass communication must have a minimum cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements. The course MCO 120 Media and Society, SB, an introductory course for nonmajors, can count in place of JMC 110 Principles and History of Journalism, SB.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSJMCBA~null + &college=CCS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for a wide assortment of careers with the hands-on training they received in the program as well as in real, professional newsroom experiences.

Popular industries include:

- corporate and business communication
- digital media
- international news
- radio
- social media
- technology

Graduates are competitive candidates for many roles including these:

- audience engagement specialist
- copy editor
- director
- magazine writer
- news anchor
- news reporter
- producer
- radio host
- videographer

**Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm

<https://cronkite.asu.edu/node/5542>

CRONK 302

[attendcronkite@asu.edu](mailto:attendcronkite@asu.edu)

602-496-5555

## Mass Communication and Media Studies, BA (CSMCMSTBA)

**Campus:** Online

**Program Description:**

The online degree program for the BA in mass communication and media studies gives students a deep and nuanced understanding of the growing importance, power and influence of media around the world. The program explores global mass communication issues from all dimensions: societal, cultural, historical, political, economic, technological and legal.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

or any MAT course that satisfies the math requirement

**Program Math Intensity:** General



**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-mass-communication-and-media-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSMCMSTBA~null + &college=CCS>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A sophisticated understanding of mass communication is a critical asset for careers in business, government, community and the nonprofit sectors. Graduates have varied career opportunities, such as with:

- education institutions
- government entities
- political parties
- professional organizations
- publishing companies
- writing firms

Graduates also are prepared to pursue graduate studies in fields such as law, medicine, the arts, education and journalism.

**Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of

Walter Cronkite School of Journalism and Mass Comm

<https://cronkite.asu.edu/>

CRONK 222

[cronkiteadvising@asu.edu](mailto:cronkiteadvising@asu.edu)

602-496-5055

## Sports Journalism, BA (CSSPJBA)

**Campus:** Downtown Phoenix

**Program Description:**

Sports journalism is one of the fastest-growing sectors of the news media industry, with continued growth on all platforms: multimedia outlets, broadcast channels and networks, radio and podcasting and team, league and conferences websites and social media accounts.

The Walter Cronkite School of Journalism and Mass Communication's bachelor's degree program in sports journalism gives students unparalleled preparation for careers in sports media and communications through courses such as the following: sports writing, sports photography, sports strategic communications, broadcast sports reporting, and ethics and diversity in sports.

During the degree program, students complete a variety of professional experiences. Internship partners include professional sports teams, Arizona State University athletics, local, regional and national sports media outlets like ESPN, Fox Sports, the Pac-12 networks and more. Sports journalism students also participate in the school's sports bureaus in Phoenix or Los Angeles for a semester. Students cover NBA, NHL, MLB, NFL, WNBA, and NCAA teams out of these fully operational digital sports newsrooms in Phoenix and Los Angeles, producing content for local and national media outlets.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

or any MAT course that satisfies the math requirement

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Master of Mass Communication, MMC

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The Bachelor of Arts in sports journalism degree program has higher admission requirements. Students should select a second choice of major on the application. All applicants are reviewed by the school. Those who are not admitted to the Cronkite School are admitted, if eligible, to their second choice of major.

Freshman applicants must meet all of the following standards:

- a cumulative ABOR GPA of 3.00 (4.00 = "A") or a score of 22 on the ACT (24 nonresident) or a score of 1120 on the SAT (1180 nonresident)
- no high school English competency deficiencies

Transfer Admission Requirements:

Transfer students with 12 or more transfer credit hours after high school graduation are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies. Transfer students should contact the school for additional steps after admission to ASU.

Transfer students with 24 or more transferable credit hours after high school graduation are required to have a cumulative transfer GPA of 3.00 or higher. Transfer students should contact the school for additional steps after admission to ASU.

More information regarding transfer admission is available at <https://cronkite.asu.edu/degree-programs/admissions/transfer-students> (<https://cronkite.asu.edu/degree-programs/admissions/transfer-students>).

#### **Change of Major Requirements:**

ASU students who would like to change their majors to sports journalism must have at least a cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements. MCO 120, an introductory course for nonmajors, can count in place of JMC 110.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSSPJBA~null + &college=CCS>) to outline a list of recommended courses to

take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the sports journalism degree program are prepared for careers in all aspects of the media including print, broadcast, radio, online and mobile. Positions include sports writers, reporters, producers, television anchors, multimedia associates, social media specialists, and strategic communications and public relations project coordinators.

**Contact Information:**

Journalism and Mass Communication, Walter Cronkite School of  
Walter Cronkite School of Journalism and Mass Comm  
<https://cronkite.asu.edu/node/5539>  
CRONK 302  
[attendcronkite@asu.edu](mailto:attendcronkite@asu.edu)  
602-496-5555

## Liberal Arts and Sciences, The College of

### Actuarial Science, BS (LAACTBS)

**Campus:** Tempe

**Program Description:**

Actuarial science students learn to use tools from mathematics, statistics and finance to measure the impact of risk in order to improve forecasting and decision-making in business, insurance and government sectors.

The BS degree program in actuarial science provides students with the preparation necessary for the required professional actuarial credentialing exams offered by the Society of Actuaries and the Casualty Actuarial Society.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Actuarial Science, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

Current ASU students wishing to change their major to actuarial science should have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A"), have completed at least MAT 265 or MAT 270 and CIS 105 (or CSE 100 or CSE 110), and have earned a "B" grade or better in all critical classes they have already completed.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAACTBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Risk is a part of daily life and wherever there is risk, there are opportunities for actuarial intervention. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health and to ensure organizations conform to stringent, complex legal mandates. Others help companies to establish retirement plans or are employed as consultants. Graduates with a BS in actuarial science possess skills that are transferable to any industry and any organization that requires risk modeling and management, including:

- colleges and universities
- consulting firms
- energy, such as utilities, oil and gas
- environment (on issues such as climate change and the financial impact or risk of extreme events)
- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor and Medicare (to manage social programs and to develop regulations and legislation)
- insurance companies
- retirement and pensions
- transportation, such as shipping and air travel

Students can also apply the advanced problem-solving skills learned in the actuarial science undergraduate program to a variety of other professional careers, including:

- analysts
- business operations specialists
- consultants
- teachers

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## **African and African American Studies, BA (LAAFRBA)**

**Campus:** Tempe, Online

#### **Program Description:**

The African and African American studies program at ASU has assembled a dynamic faculty engaged in investigating the riveting complexities of Africa.

Trained in a variety of disciplines that include anthropology, health, history, journalism, literature, sociology, political science and women's studies, the faculty guide students as they examine a wide array of critical issues facing African-descended peoples across the stages of life at various times and places in history.

Many people who earn degrees in this area go on to study law, business or medicine.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

## Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/african-studies/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAFRBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Because of its emphasis on various social aspects and groups, the African and African American studies program provides students with practical applications useful for various workplaces. This program helps students develop cultural sensitivity and prepares them for careers in:

- administration
- advertising
- business
- counseling
- education
- human resources
- international relations
- journalism
- justice
- law

Graduates are prepared for work in many arenas; some examples:

- business --- corporations, hotel chains, public relations firms, sales departments, the insurance industry, travel agencies
- education --- colleges and universities, museums, research organizations
- government --- law firms, political action groups
- civic --- civil rights organizations, nonprofit organizations, social service agencies, the Peace Corps

### Contact Information:

Liberal Arts and Sciences, The College of  
School of Social Transformation

<https://dev-sst20.ws.asu.edu/degree/undergrad/ba-african--african-amercn-stds>

NVS1 310AA

SSTadvising@asu.edu

480-965-7682

## American Indian Studies, BS (LAAISBS)

**Campus:** Tempe

**Program Description:**

The BS program in American Indian studies provides students with unique opportunities to evaluate issues of American Indian nations within domestic and international contexts.

The American Indian studies program is committed to broadening the knowledge of students interested in the histories, languages, cultures, arts and contemporary situations of American Indian nations and peoples, and it encompasses legal, policy, community and economic development as well as arts, languages and culture.

The program is designed to protect the integrity and identity of the Indigenous populations of North America and to create a learning environment conducive to critical and creative thought.

**Additional Program Fee:** Y**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

American Indian Studies (Indigenous Rights and Social Justice), MS

American Indian Studies (Tribal Leadership and Governance), MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAISBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the American Indian studies program are qualified to fill positions at the tribal, state and federal government levels and in the private sector. They can pursue professional careers in fields such as government service or public service. For example, federally and tribally operated schools located in remote areas within Indian Country have high turnover rates for both teachers and staff. American Indian studies graduates should be available to help fill these positions. Furthermore, the federal government, a major employer on many reservations across the country, is in need of qualified people who are knowledgeable in Indian cultures, laws and policies. Additionally, many American Indian nations' economies and infrastructures are developing at a rapid pace, and they are in continuous need to fill mid-management and management-level positions.

Graduates find positions in many areas, such as:

- community action work
- public administration (tribal or state relations, nonprofit management, education administration, planner)
- public health
- the arts
- tribal employment (political office, tribal management, cultural resource programming, grant writer, cultural specialist, youth services)

This program also provides suitable preparation for the advancement to graduate study or law school.

**Contact Information:**

Liberal Arts and Sciences, The College of  
American Indian Studies Program  
<https://americanindian.asu.edu/>  
DISCOVERY 356  
AIS@asu.edu  
480-965-3634

## American Studies, BA (LAAMRSTBA)

**Campus:** Tempe

**Program Description:**

The BA program in American studies consists of interdisciplinary inquiries into the diverse cultures, global impact, social systems, gendered experiences, socioeconomic realities and political thought of the United States. The field of American studies has evolved to include an understanding of diversity in U.S. society, how the U.S. national community represents and imagines itself, how this resonates globally and the role of social movements seeking to achieve political, legal and economic change.

The program trains students in: the history and trajectory of the field of American studies; explorations of racial literacy, gender, sexuality and socioeconomic experiences grounded in historical contexts that help to understand contemporary U.S. populations; critical methodologies, including how alternative voices are key in research, politics and policy, and social justice work; applied research methods, particularly those that involve community involvement and engagement; and the use of storytelling and narratives to represent diverse communities and facilitate broader understanding across groups.

**Additional Program Fee:** Y

**Second Language Requirement:** Y

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAMRSTBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program prepares students for careers in policy, education and teaching, urban planning, sustainability, socio-political movements, environmental impacts, advocacy, nonprofit organizations, government, journalism, law and justice, public safety and health. This degree program is also well-suited to be paired with other professional degrees that prepare students for these careers.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation

<https://sst.asu.edu>  
WILSN 125  
SSTadvising@asu.edu  
480-965-7682

## Anthropology, BA (LAASBBA)

**Campus:** Tempe, Online

### Program Description:

Anthropology is the study of human cultural and biological diversity.

This degree is for doers --- those willing to get involved and help make the world a better place. In core and elective courses, the BA program in anthropology allows students to explore problems facing the contemporary world and to suggest solutions to those problems based on a broad understanding of what it means to be human. Working alongside top faculty in ASU research labs, students gain first-hand experience with research design through the apprenticeship program. Students also are offered ample opportunities for international experiences through study abroad programs and field schools. Students learn to think like an anthropologist, to bring a cautious and nuanced view of human interaction that employers value greatly.

The School of Human Evolution and Social Change values interdisciplinarity and also offers a traditional, four-field training with faculty specialties in archaeology, sociocultural anthropology, evolutionary anthropology and linguistics.

Students enrolled in this program may not pursue a concurrent degree with the BS in anthropology or the Bachelor of Arts in global health, but they may add a minor in global health to complement the core curriculum.

### Additional Program Fee: Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-anthropology/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAASBBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates have the knowledge and skills they need to find jobs in fields where understanding complex human behavior is important.

Anthropologists work in public, nonprofit and consulting roles and in private business where their knowledge of human interactions is critical for success.

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people



trained in anthropology are increasingly sought for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- providing health care as nurses, doctors or public or global health professionals
- teaching

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change

<https://shesc.asu.edu>

SHESC 233

[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)

480-965-6215

## Anthropology, BS (LAASBBS)

**Campus:** Tempe, Online

**Program Description:**

A BS program in anthropology provides training in data analysis and research design within the context of human evolution, archaeology and the wider field of anthropology.

In this degree program, students learn how to use the scientific method to formulate and test hypotheses and how to gather qualitative and quantitative data through participant observation, interviewing, careful excavation and measurement. They also learn how to employ statistics to analyze and extract meaning from data. But this is not just a technical degree. Rather, through broad anthropological coursework the student learns how to ask important questions about the human species.

A special feature of the ASU anthropology program is its relevance to other disciplines and many exciting hands-on learning opportunities in laboratories, study abroad experiences and field-based courses. The student learns to think like an anthropologist, to appreciate humanity's place in nature and the long history of human societal change that brought us to where we are today.

The School of Human Evolution and Social Change values interdisciplinarity and also offers a traditional, four-field training, with faculty specialties in archaeology, sociocultural anthropology, evolutionary anthropology and linguistics.

Students enrolled in this program may not pursue a concurrent degree with the BA in anthropology or the Bachelor of Arts in global health but may add a minor in global health to complement the core curriculum.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the Academic Catalog Archive 2021-2022

program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bs-anthropology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAASBBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology increasingly are sought for their broad, holistic knowledge and perspective, which are the hallmarks of anthropology.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for large and small private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing cultural resources in public and private sectors
- modeling infectious diseases
- planning communities
- providing health care as nurses, doctors, or public or global health professionals
- teaching

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
480-965-6215

## Applied Mathematics for Life and Social Sciences, BS (LAAMLBS)

**Campus:** Tempe

**Program Description:**

The BS in applied mathematics for the life and social sciences is unlike any other math program. It offers a novel approach to investigating, integrating and solving problems in the physical, life and social sciences in such topics as mass violence, contagion, wildlife-human interactions and the transmission of behaviors through influence.

Degree seekers in this program are immersed in the use of mathematical theory, modeling and computational methods, while collaborating with and contributing to diverse fields such as anthropology, global health and environmental social science.

The insights and skills gained allow graduates to confidently create accurate, versatile and practical answers desperately needed to improve or remedy real-life issues.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAMLBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the program possess the quantitative, scientific and analytical skills that are critical for professionals working in the environmental, life, health, mathematical and social science fields. Nationally recognized experts ensure program graduates are well equipped for prestigious career paths in government, medicine, technology, security or other fields requiring rigorous data analysis, with an insight into human behavior.

The need for scientists and professionals quantitatively trained in the life and social sciences is strong in Arizona and the nation. This degree's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals in industries including:

- bioinformatics
- computational sciences
- ecology
- genomics
- data mining
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change

<https://shesc.asu.edu>

SHESC 233

[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)

480-965-6215

## Asia Studies (East Asia), BA (LAHSTEABA)

**Campus:** Tempe

**Program Description:**

The BA program in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent concentration of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools that enable them to address contemporary political, social and cultural issues in Asia and apply their knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on East Asia includes coursework on China, Japan, Korea and Taiwan.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHSTEABA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication and journalism
- diplomacy, trade and international organizations
- food security
- higher education
- humanitarian service and philanthropy
- intelligence
- law and law enforcement
- military studies
- technology transfer
- transportation and tourism

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/undergrad/ba-asia-studieseast--asia>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

**Asia Studies (South Asia), BA (LAHSTSABA)**

**Campus:** Tempe

**Program Description:**

The BA program in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent curriculum of academic study across a number of disciplines.

The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and enables them to apply valuable knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on South Asia includes coursework covering Bangladesh, India, Pakistan and other South Asian states and societies.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHSTSABA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication and journalism
- diplomacy, trade, and international organizations
- food security
- higher education
- humanitarian service and philanthropy
- intelligence
- law and law enforcement
- military
- technology transfer
- transportation and tourism

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/undergrad/ba-asia-studies-south-asia>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Asia Studies (Southeast Asia), BA (LAHSTSEABA)

**Campus:** Tempe

**Program Description:**

The BA program in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent curriculum of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on Southeast Asia includes coursework covering:

- Brunei
- Burma/Myanmar
- Cambodia
- East Timor
- Indonesia
- Laos
- Malaysia
- Singapore
- Thailand
- the Philippines
- Vietnam

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management (Creative Industries and Design Thinking), MGM  
Global Management (Digital Audience Strategy), MGM  
Global Management (Global Affairs), MGM  
Global Management (Global Business), MGM  
Global Management (Global Development and Innovation), MGM  
Global Management (Global Digital Transformation), MGM  
Global Management (Global Entrepreneurship), MGM  
Global Management (Global Health Care Delivery), MGM  
Global Management (Global Legal Studies), MGM  
Global Management (Integrated Health Care), MGM  
Global Management (Nonprofit Leadership and Management), MGM  
Global Management (Public Administration), MGM  
Global Management (Public Policy), MGM  
Global Management (Sustainability Solutions), MGM  
Global Management (Sustainable Tourism), MGM  
Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHSTSEABA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication and journalism
- diplomacy, trade, and international organizations
- food security
- higher education
- humanitarian service and philanthropy
- intelligence
- law and law enforcement
- military studies
- technology transfer
- transportation and tourism

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/undergrad/ba-asia-studies-southeast-asia>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## Asian Languages (Chinese), BA (LACHIBA)

**Campus:** Tempe

### Program Description:

The BA program in Asian languages with a concentration in Chinese emphasizes proficiency in reading, writing and speaking Mandarin and in reading classical Chinese. Students gain an in-depth understanding of the fundamentals of the rich Chinese cultural tradition, centered on primary Chinese texts (these are in Chinese and in English translation) from the literary, intellectual and religious cultures of Chinese-speaking societies. These texts include visual and written materials on a variety of topics, including:

- history
- linguistics
- literary theory
- media
- philosophy
- religion
- urban culture

Highly-motivated students interested in learning Chinese to professional-level proficiency are encouraged to inquire about the Chinese Language Flagship Program: <https://silc.asu.edu/chineseflagship> (<https://silc.asu.edu/chineseflagship>). All students with higher levels of linguistic competency may enroll in targeted courses (they are conducted in Chinese) offered as part of the Chinese flagship track.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHIBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive professions include:

- foreign correspondent or media professional
- foreign service officer



- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- nongovernmental organization professional
- professor of language, literature and culture
- translator or interpreter
- travel professional

Career fields in which speaking multiple languages is a benefit include:

- advertising, marketing and communications
- airline industry
- film, television or multimedia
- foreign correspondence and journalism
- hospitality industry
- intelligence
- international education and study abroad administration
- international law
- public relations
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures

<https://silc.asu.edu/degrees/undergrad>

LL 440

[silcadvising@asu.edu](mailto:silcadvising@asu.edu)

480-965-6281

## Asian Languages (Japanese), BA (LAJPNBA)

**Campus:** Tempe

**Program Description:**

Students in the BA program in Asian languages with a concentration in Japanese study the language, literature and culture of Japan and gain a respectable measure of competence in reading, writing, and oral and aural skills in the Japanese language. Students also gain linguistic and cultural competence through the required study of classical Japanese.

Throughout the program, students may take language courses in Chinese or Korean, or they may take courses about Chinese or Korean culture. Students also take related courses in Japanese and East Asian culture on topics such as art, government, Japanese history, linguistics, literary and cultural theory, and religion.

In addition, ASU offers summer or yearlong programs to study abroad in Japan. More information on study abroad opportunities is available at <https://mystudyabroad.asu.edu> (<https://mystudyabroad.asu.edu/>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJPNBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- intelligence officer
- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- professor of language, literature and culture
- translator or interpreter
- travel professional

Career fields and occupations using languages include:

- advertising, marketing or communications
- airline industry
- film, television or multimedia
- hospitality industry
- intelligence
- international education and study abroad administration
- international law
- lifestyle management
- public relations
- technology industries

Additional education and certification may be required for some career paths.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
480-965-6281

## **Asian Pacific American Studies, BA (LAAPABA)**

**Campus:** Tempe

#### **Program Description:**

The BA program in Asian Pacific American studies prepares students to address issues of justice, equity, and access at the intersections of

citizenship, race and ethnicity, gender and sexuality and class and culture, and to identify actions and solutions based in community experiences and community-based research across multiple disciplines. Students have the opportunity to work with a dedicated faculty committed to community-engaged research and student-centered learning.

The program educates students in social justice, the global causes and impacts of Asian and Pacific Islander migration, relational and comparative racial formations and ethnic studies movements that have made and continue to make a difference in society for all people. Interdisciplinary faculty members have expertise in critical ethnic studies, diaspora and globalization, U.S imperialism and settler colonialism, social networks, immigration, interracial and interethnic relations, and the health and well-being of Asian Pacific American families and communities.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAPABA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students who complete the bachelor's degree program in Asian Pacific American studies may pursue a graduate degree in law, humanities or social sciences. Graduates also are prepared to work in positions involving:

- business
- community organizations
- creative arts
- education
- health
- immigration
- journalism
- law
- social work

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation

<https://dev-sst20.ws.asu.edu/degree/undergrad/ba-asian-pacific-american-studies>

NVS1 310AA

SSTadvising@asu.edu

480-965-7682

## **Astronomical and Planetary Sciences, BS (LAAPTPLSBS)**

**Campus:** Online

**Program Description:**

The online BS program in astronomical and planetary sciences provides broad training in the scientific foundations required to understand and communicate the fundamentals of space exploration and ongoing advances in the field.

The degree program includes groundwork in mathematics and physical sciences, topical courses focused on diverse fields within astronomy and planetary science, and exposure to the engineering and computational tools and techniques used to carry out research.

**Additional Program Fee:** Y**Second Language Requirement:** N**First Required Math Course:** MAT 210 - Brief Calculus**Program Math Intensity:** Moderate**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)Transfer (<https://admission.asu.edu/transfer/apply>)International (<https://admission.asu.edu/international/undergrad-student>)Readmission (<https://admission.asu.edu/undergrad/readmission>)**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/astronomy-bachelors/>)**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.**Transfer Options:**ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAASSTPLSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.**Career Opportunities:**

Graduates pursue careers in fields that value the quantitative, technical skills taught as part of an astronomy education. These include K-12 STEM teaching positions, science and technology journalism and writing careers, and technical careers involving statistical data analysis or computer programming or technical positions supporting space and research industry and policy.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Earth and Space Exploration

<https://sese.asu.edu>

ISTB4 795

SESE-online@asu.edu

480-965-5081

## Biochemistry, BA (LABCHBA)

**Campus:** Tempe, Online**Program Description:**

The BA program in biochemistry provides students with a wide array of courses such as basic chemistry, the chemistry of biomolecules, cellular function and liberal arts and languages.

This program is a flexible option for students interested in a liberal arts degree with a strong grounding in physical science. It is ideal for students seeking to complete two degrees. Students wishing to pursue a scientific graduate degree should consider the BS in biochemistry.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

Students may complete MAT 270 Calculus with Analytic Geometry I in lieu of MAT 251 Calculus for Life Sciences.

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/biochemistry-ba/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABCHBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program are prepared for careers in a variety of fields, such as medicine and health, chemical and biotechnology industry, pharmaceuticals, environmental and food science, food production, environmental protection, scientific sales and marketing and other forms of public service such as policymaking and teaching, patent law and many other technical areas.

Those with a Bachelor of Arts in biochemistry also are well prepared for application to graduate schools, such as medical, dental and pharmacy.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Molecular Sciences

<https://sms.asu.edu>

PSD 104

SMSadvising@asu.edu

480-965-7667

## Biochemistry, BS (LABCHBS)

**Campus:** Tempe, Online

**Program Description:**

Students in the BS program in biochemistry take courses in a wide array of subjects, such as basic chemistry, the properties and function of biomolecules and the mechanisms of cellular function and living organisms.

Due to the high volume of overlap in curriculum, students are not permitted to declare a concurrent degree combination with either the genetics, cell and developmental biology or the neurobiology, physiology and behavior concentration of the Bachelor of Science in biological sciences. Students

should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I  
or MAT 265 Calculus for Engineers I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biochemistry (Medicinal Chemistry), MS
- Global Management, MGM
- Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-biochemistry/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABCHBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A BS degree in biochemistry is an excellent choice for careers in medicine and health, chemical and biotechnology industries, drug design and pharmaceuticals, new sources of energy and materials, research, government laboratories, environmental and food science, teaching and many other technical areas.

The Bachelor of Science program in biochemistry provides the necessary training for competitive applications to medical, dental, pharmacy and other health-related graduate schools, and to advanced graduate research degree programs in biochemistry.

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu>  
PSD 104  
SMSadvising@asu.edu  
480-965-7667

## Biochemistry (Medicinal Chemistry), BS (LABCHMBS)

**Campus:** Tempe, Online

### Program Description:

Students in the BS program in biochemistry take courses in areas ranging from basic chemistry, through the properties and function of biomolecules and the mechanisms of cellular function, to living organisms.

With a concentration in medicinal chemistry, students learn how to apply chemical and biochemical thinking to the design and function of medicines. Students take classes in advanced organic chemistry and medicinal chemistry and learn the fundamental chemical basics of drug design, synthesis and mechanism of action.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I  
or MAT 265 Calculus for Engineers I

**Program Math Intensity:** Substantial

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biochemistry (Medicinal Chemistry), MS

Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/medicinal-chemistry/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABCHMBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

A solid undergraduate education in biochemistry provides the necessary background for career paths in chemical, medical, pharmaceutical and biotechnology industries and also for careers in governmental regulation, health care, research and other areas, as well as confer critical skills for pharmacy and medical school.

Students planning careers in medicine, dentistry, pharmacy or veterinary medicine often pursue the medicinal chemistry concentration, with supporting work in biology and chemistry as the route for preprofessional training.

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu>  
PSD 104  
SMSadvising@asu.edu  
480-965-7667

**Biological Sciences, BS (LABSCBS)**

**Campus:** Tempe, Online

**Program Description:**

The life sciences involve the study of the basic organization and processes of life (microbes, plants and animals) at scales ranging from molecules to ecosystems and in time from picoseconds to millennia. This includes investigations into how hereditary information is transferred and organisms evolve, the interplay of organisms and their environments, and how these factors interact in health and disease.

Students interested in a degree in life sciences can opt for a BS in biological sciences or choose one of five concentrations:

- biology and society
- biomedical sciences
- conservation biology and ecology
- genetics, cell and developmental biology
- neurobiology, physiology and behavior

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with any other program within the School of Life Sciences. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Secondary Education, BAE

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biology (Biology and Society), MS
- Biology, MS
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM



Global Management, MGM  
Microbiology, MS  
Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/biological-sciences-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The biological sciences major with no concentration is designed for students who are committed to studying and training in multiple disciplines in biology and for students who want to get more exposure to the life sciences before deciding whether they want to declare a concentration as an undergraduate. Therefore, students in this major take core courses from several concentrations. Students in this major have more flexibility to customize their program of study so they can focus on their own area of interest that may not have a concentration, such as plant biology or genomics.

The biological science major provides an excellent foundation for graduate study as well as preparation for professional schooling in:

- dentistry
- medicine
- pharmacy
- veterinary medicine

Graduates may enter positions in:

- biotechnology
- education
- government
- industry

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/>  
LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
480-727-6277

## Biological Sciences (Biology and Society), BS (LABSCSBS)

**Campus:** Tempe, Online

**Program Description:**

The BS program in biological sciences with a concentration in biology and society focuses on training biology students to understand the social context of their science and to ask how and why a biological problem has been and should be studied. Students explore the ways in which policy decisions shape and are shaped by biological research and they investigate the meaning and significance of the life sciences in understanding our complex world.

The biology and society curriculum is highly individualized. This unique degree is home to world-class researchers and teachers in diverse fields, including bioscience ethics, history and philosophy of science, science communication, science education and science policy, all brought together under one program. Students have the opportunity to work with many renowned scholars in independent study and research projects.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with any other program within the School of Life Sciences. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y**Second Language Requirement:** N**First Required Math Course:** MAT 251 - Calculus for Life Sciences**Program Math Intensity:** Moderate**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biology (Biology and Society), MS
- Biology, MS
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Microbiology, MS
- Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/biology-and-society/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Biology and society students gain the historical, philosophical, political and ethical perspectives needed to explore interactions between the life sciences and related, complex human issues. As a result, the program contributes to better informed and more effective teachers, writers, policymakers, clinicians and researchers in areas related to biology, medicine and society.

As a result of the individualized, skill-based curriculum, biology and society graduates are eligible for a broad range of career options. Most have chosen to pursue professional degrees in medicine, law, public health or public policy, or to pursue graduate study in biology, ethics, education or history and philosophy of science. Graduates enter the workforce, whether in academia, industry, government or clinical practice, with a deep sensitivity to the complexity of biology in society and the skill to navigate that complexity throughout their careers.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/>  
LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
480-727-6277

## **Biological Sciences (Biomedical Sciences), BS (LABSCMBS)**

**Campus:** Tempe, Online

#### **Program Description:**

The biomedical sciences concentration serves students in the BS program in biological sciences who wish to pursue careers in medicine, other health professions or biomedical research in academic, clinical or industry settings.

The curriculum aligns with the broad scientific competencies recommended for premedical students in a report of the American Medical Colleges and the Howard Hughes Medical Committee and reflected in the 2015 changes to the Medical College Admission Test. Coursework draws from the school's concentration in genetics, cell and developmental biology and the concentration in neurobiology, physiology and behavior, with the addition of courses in biology and in medicine and society. The concentration focuses on chemistry, biochemistry, math and physics coursework that is necessary to prepare students for the MCAT and for medical school admissions. The concentration emphasizes core concepts, competencies and critical intellectual skills necessary to succeed in medical school or biomedical research.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with any other program within the School of Life Sciences. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biology, MS

Global Management, MGM

Microbiology, MS

Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic advisor.

departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/biological-sciences-biomedical-sciences-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCMBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are well equipped to enter careers as research scientists or as scientists in the health professions, having met the majority of prerequisite requirements and mastered many of the competencies valued by graduate programs in medical, dental and optometry fields or programs which prepare students to be physician assistants or physical therapists.

Additionally, graduates have an understanding of the process of science, preparing them for a career in research. They have knowledge of foundational concepts in biological sciences, chemistry, physics and statistics and the ability to understand and apply core biomedical concepts. This prepares them for entry into biology research in a vast number of areas, some of which include genetics, genomics, evolution, physiology and immunology.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

## Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)

**Campus:** Tempe, Online

**Program Description:**

Ecology is the study of the distribution and abundance of organisms, the interactions among organisms, and the interactions between organisms and the physical environment. Conservation biology is an applied science based on ecological principles that focuses on conserving biological diversity and on restoring degraded ecosystems.

Arizona State University is committed to a more sustainable world and sharing knowledge of conservation biology and ecology through the BS program in biological sciences with a concentration in conservation biology and ecology is one critical component to help meet this global challenge.

Conservation biologists at ASU investigate the impact of humans on Earth's biodiversity and develop practical approaches to prevent the extinction of species and promote the sustainable use of biological resources. Some investigate the causes of ecosystem degradation and use ecological principles to reestablish desired conditions in a variety of ecosystems, including rivers, wetlands, grasslands, urban landscapes and forests.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>

(<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with any other program within the School of Life Sciences. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biology (Biology and Society), MS
- Biology, MS
- Global Management, MGM
- Microbiology, MS
- Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/conservation-biology-degree/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCCBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The curriculum prepares students with skills and concepts for employment and provides a solid platform for students who wish to attend graduate school. Graduates are prepared for careers with:

- governmental agencies such as the Environmental Protection Agency and state game and fish departments
- K-12 education, colleges and universities
- nongovernmental organizations such as The Nature Conservancy and Conservation International
- private companies focused on environmental resources, environmental law or environmental economics

The concentration can provide training in specific skills that might be needed in these areas:

- animal and plant physiology, identification and ecology
- behavioral ecology and population biology
- community, ecosystem and landscape ecology
- conservation of endangered species

- ecology of different habitats, including cities, lakes, rivers and grasslands
- restoration of degraded ecosystems

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Life Sciences  
<https://sols.asu.edu/>  
 LSA 189  
 sols.advising@asu.edu  
 480-727-6277

## Biological Sciences (Genetics, Cell and Developmental Biology), BS (LABSCGBS)

**Campus:** Tempe, Online

**Program Description:**

The BS program in biological sciences with a concentration in genetics, cell and developmental biology integrates the study of three exciting, closely related areas of life science research.

Genetics examines the blueprints of life, such as DNA sequence and gene expression, while cell biology studies the machinery of life enclosed within the boundaries of cells. Developmental biology uses both genetics and cell biology to understand how genes and the environment interact to produce a whole new individual from a single cell as well as understand the various developmental changes that organisms undergo throughout life.

The combined study of genetics, cell biology and development has resulted in a better understanding of many diseases and promises to prove even more important in the future.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with any other School of Life Sciences program or with the Bachelor of Science degree in biochemistry from the School of Molecular Sciences. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biology (Biology and Society), MS
- Biology, MS
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Microbiology, MS
- Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/BS-genetics-cell-and-developmental-biology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCGBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this concentration have a variety of career options. This degree provides the fundamental coursework necessary for admission into medical, dental, veterinarian, pharmacy or graduate schools or any of the health professions. There also are many employment opportunities that can be pursued upon receipt of the Bachelor of Science with this concentration:

- animal breeder technician
- bioinformaticist
- biotechnologist
- cell culture specialist
- cloning technician
- crime lab technician
- cytotechnologist
- drug design technician
- food and drug inspector
- genetic counselor
- histologist
- in-vitro fertilization technician
- plant improvement specialist
- teacher
- technical writer
- vaccine development technician

Students in this concentration program learn critical thinking skills that can be applied to many scientific problems and professions as well as to the challenges of daily life. Students are encouraged to engage in independent research projects or internship opportunities to develop a better sense of how science is done.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

**Campus:** Tempe

**Program Description:**

The neurobiology, physiology and behavior concentration serves students in the BS program in biological sciences with a broad yet rigorous education.

While it might seem that neurobiology, physiology and behavior are quite separate fields, the three interact extensively in living organisms to achieve common goals. By studying neurobiology, behavior and physiology from the perspectives of molecular and cellular biology, evolution, organ systems (neural, endocrine, cardiovascular, respiratory, immune, etc.) and the environment, students gain insight into how these aspects work together in a variety of ways. Students in this concentration also learn to apply principles from mathematics, chemistry and physics. Discoveries are made at the laboratory bench and in the field, and students in the concentration are encouraged to participate in research projects in the labs of our faculty members.

This program is available as an accelerated degree program: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with any other School of Life Sciences program or with the Bachelor of Science degree in biochemistry from the School of Molecular Sciences. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biology (Biology and Society), MS
- Biology, MS
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Microbiology, MS
- Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.



Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCABS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The broad education and critical-thinking skills students receive in this concentration are applicable to a variety of rewarding careers. Premedical, preveterinary and pre dental students get the background and courses needed for professional school application and beyond. Many students go on to graduate school for academic, teaching or research careers in areas such as:

- endocrinology
- environmental or behavioral physiology
- human physiology
- metabolism
- neurobiology
- social behavior

With a Bachelor of Science degree in this concentration, graduates have opportunities for technical positions in hospitals, research institutes and industry (food, dairy, chemical, pharmaceutical and biotechnology) as well as in government laboratories and agencies. The most important skills students learn in the concentration are critical thinking and problem-solving skills that can be applied to many scientific problems and professions as well as to the challenges of daily life.

#### **Contact Information:**

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<https://sols.asu.edu/>  
LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
480-727-6277

## **Biophysics, BS (LABIPHBS)**

**Campus:** Tempe

#### **Program Description:**

Biophysics uses the methods and theories of physics to study biological systems.

The BS in biophysics is a transdisciplinary program providing students with a working understanding of the important principles of physics, chemistry and biology that govern all scales of biological organization from the molecular processes of life to organisms and ecosystems.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### **Change of Major Requirements:**

Current ASU students wishing to change their major to physics should have a minimum cumulative GPA of 2.50 (scale is 4.00= "A") for all critical classes they have completed.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABIPHBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The broad range of applicability of the principles of biophysics gives great flexibility in a choice of career or further education including:

- chemical industries
- engineering
- government
- medicine
- physics research
- teaching

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Physics  
<https://physics.asu.edu/degree/biophysics>  
PSF 470  
[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)  
480-965-3561

## Chemistry, BA (LACHMBA)

**Campus:** Tempe, Online

**Program Description:**

Students in the BA program in chemistry take a wide range of courses that prepare them to understand and take on important problems using atomic and molecular scale approaches in areas as diverse as climate change, sustainability, public health, nanoscience, forensics, cosmetics and food chemistry, patent law, sales and marketing.

The Bachelor of Arts program in chemistry is a flexible option for students interested in a liberal arts degree with a strong grounding in physical science. It is ideal for students seeking to complete two degrees. Students pursuing a bachelor's degree in chemistry have opportunities to explore a wide range of interests from laboratory science to working in the public sector in regulation or law.

Students wishing to pursue a scientific graduate degree should consider the BS in chemistry.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I  
or MAT 265 Calculus for Engineers

**Program Math Intensity:** Substantial

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Secondary Education, BAE

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHMBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A degree in chemistry provides the background for careers in chemical and electronics industries, in national research labs and forensic labs. Chemistry can be combined with law for patent work, with economics for sales and marketing careers, and with computer science for careers in information technology. Students with a strong liberal arts background are also prepared for careers in scientific sales, marketing, human development and training. Students often take chemistry degree programs to be competitive applicants for admission to medical, dental or pharmacy schools.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu>  
PSD 104  
SMSadvising@asu.edu  
480-965-7667

## Chemistry, BS (LACHMBS)

**Campus:** Tempe

**Program Description:**

In the BS program in chemistry, students take courses that give them the knowledge and skills to solve problems at the molecular level in areas as diverse as energy and sustainability, new materials for technology, medicine and health, nanoscience, environmental science, forensics, cosmetics and food chemistry.

The Bachelor of Science degree in chemistry prepares students for advanced study of chemistry and material science in competitive graduate degree programs.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

or MAT 265 Calculus for Engineers

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biochemistry (Medicinal Chemistry), MS

Materials Science and Engineering, MS

Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHMBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A degree in chemistry provides the background for careers in chemical and electronics industries, in national research labs and forensic labs. Chemistry can be combined with law for patent work, with economics for sales and marketing careers, and with computer science for careers in information technology. Students often take BS chemistry degree programs to be competitive applicants for admission to medical, dental or pharmacy schools.

Chemists do research in laboratories; they study the environment; they work in manufacturing, sales and marketing; they work in the public sector deciding policy and regulation; and they teach.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Molecular Sciences

<https://sms.asu.edu>

PSD 104

[SMSadvising@asu.edu](mailto:SMSadvising@asu.edu)

480-965-7667

## Chemistry (Environmental Chemistry), BS (LACHMEBS)

**Campus:** Tempe

**Program Description:**

The BS in chemistry with an environmental chemistry concentration is an interdisciplinary degree program that combines chemistry with environmental sciences courses in geology, mathematics and physics. Students learn to understand the world around them from a molecular perspective and to tackle problems in pollution control and climate change. Students are also prepared for careers in environmental science, control, policy and regulation.

This program prepares students to become scientists and leaders in solving environmental problems and serves as excellent preparation for advanced level study of chemical and environmental sciences in graduate school.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

or MAT 265 Calculus for Engineers

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHMEBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training. Students planning to work in areas related to the environment will find the environmental chemistry concentration especially appropriate.

Career examples include those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Molecular Sciences  
<https://sms.asu.edu>  
PSD 104  
SMSadvising@asu.edu  
480-965-7667

## Civic and Economic Thought and Leadership, BA (LACELBA)

**Campus:** Tempe

**Program Description:**

The BA program in civic and economic thought and leadership incorporates the study of political philosophy, economic thought, history and American politics. Faculty engage students through the Socratic method, which challenges students to analyze the complex topics impacting lives today. Students refine their ability to read closely, think analytically, write carefully and speak effectively.

The curriculum, combined with outside-the-classroom leadership experiences, provides students with the broad, academic foundation they will use throughout their careers. Students have the opportunity to intern on Capitol Hill, in congressional offices in their district, with nonprofits around the country or in an opportunity of their academic interest. They engage with world-renowned scholars and experts who visit ASU for large lectures and small seminars through the school's public programs and civic outreach initiatives, and they are able to apply for one of the school's Global Intensive Experiences, which study service and leadership in places such as Israel and the West Bank, India and South Africa.

**Additional Program Fee:** Y

**Second Language Requirement:** Y

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercrreditguide/app/transfermap?major=LACELBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are inspired and prepared to lead and serve in civil society, public affairs or government, and the internship provides the professional experience that employers look for on a resume.

Some career paths graduates might pursue include business, education, foreign service, government, law, politics, national security affairs and public office.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Civic & Economic Thought and Leadership  
<https://scetl.asu.edu>  
COOR 6611  
[scetadvising@asu.edu](mailto:scetadvising@asu.edu)  
480-965-0155

## Civic and Economic Thought and Leadership, BS (LACETLBS)

**Campus:** Tempe

**Program Description:**

The BS program in civic and economic thought and leadership incorporates the study of political philosophy, economic thought, history and American politics. Faculty engage students through the Socratic method, which challenges students to analyze the complex topics impacting our lives today. Students refine their ability to read closely, think analytically, write carefully and speak effectively.

The curriculum, combined with outside-the-classroom leadership experiences, prepares students with the broad, academic foundation they will use throughout their careers. Students have the opportunity to intern on Capitol Hill, in congressional offices in their district, with nonprofits around the country or in an opportunity of their academic interest. They engage with world-renowned scholars and experts who visit ASU for large lectures and intimate seminars through the school's public programs and civic outreach initiatives, and they are able to apply for one of the school's Global Intensive Experiences, which study service and leadership in places such as Israel and the West Bank, India, and South Africa.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACETLBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are inspired and prepared to lead and serve in civil society, public affairs or government, and the internships provide the practical professional experience that employers desire.

Some career paths graduates might pursue include business, education, government, law, politics, national security affairs and public office.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Civic & Economic Thought and Leadership  
<https://scetl.asu.edu/>  
COOR 6611  
[scetladvising@asu.edu](mailto:scetladvising@asu.edu)  
480-965-0155

## Communication, BA (LACOMBA)

**Campus:** Tempe, Online

**Program Description:**

The BA program in communication at ASU's Tempe campus focuses on how message processes create, maintain and transform identities, relationships, workplaces and communities. This program provides a culturally based liberal arts focus with a second language requirement. Such courses and activities allow students to explore many fascinating questions, such as how messages can optimally advocate for a cause, sports team or organization; how people can communicate creatively in a variety of settings and styles; how valid messages differ from invalid messages; how and why cultural differences make communication difficult; and why some topics are difficult to discuss and consistently lead to conflict.

Through rigorous coursework and rewarding applied experiences, students gain effective communication skills that are highly sought by employers. Students learn to write and speak effectively and are able to convey complex ideas simply. They are prepared for employment in communication-intensive fields or for graduate study.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students who have attended previously ASU and are returning to the university with transfer credit must have a minimum ASU cumulative GPA of 2.00 in order to be admitted into the Hugh Downs School of Human Communication.

Transfer Admission Requirements:

Students who are transferring into ASU must meet current university admission requirements.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/communication-degree-2203>)

ba/)

#### **Change of Major Requirements:**

Current ASU students who would like to change their major to the BA in communication must have a minimum cumulative GPA of 2.00 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACOMBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates often attend leading graduate schools in communication, law or business or find gainful employment in careers in the areas of:

- campaign management
- counseling
- entrepreneurship
- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
- public relations
- sales

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Hugh Downs School of Human Communication  
<https://humancommunication.asu.edu/>  
STAUF 412  
communication@asu.edu  
480-965-5095

## **Communication, BS (LACOMBS)**

**Campus:** Tempe, Online

#### **Program Description:**

The BS program in communication at ASU's Tempe campus focuses on how message processes create, maintain and transform identities, relationships, workplaces and communities. This degree program provides a liberal arts grounding and a social science focus. Such courses and activities allow students to explore many fascinating questions, such as:

- In what ways can messages convince people to eliminate negative health behaviors?
- When, how and why do cultural differences make it difficult to communicate?
- Why are some topics difficult to discuss and consistently lead to conflict?
- Why do people differ in how committed they are to their work?
- Why do some relationships flourish while others fade away?

Through rigorous coursework and rewarding applied experiences, students gain effective communication skills that are highly sought by employers. Students learn to write and speak effectively and to convey complex ideas simply, preparing them for employment in a variety of career fields or for graduate study.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General



**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students who have previously attended ASU and are returning to the university with transfer credit must have a minimum ASU cumulative GPA of 2.00 in order to be admitted into the Hugh Downs School of Human Communication.

Transfer Admission Requirements:

Students who are transferring into ASU must meet current university admission requirements.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-communication/>)

**Change of Major Requirements:**

Current ASU students who would like to change their major to communication must have a minimum cumulative GPA of 2.00 (scale is 4.00 = "A").

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACOMBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates often attend leading graduate schools in communication, law or business schools, or find gainful employment in careers in the areas of:

- campaign management
- counseling
- entrepreneurship
- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
- public relations
- sales

**Contact Information:**

Liberal Arts and Sciences, The College of

Hugh Downs School of Human Communication  
<https://humancommunication.asu.edu/>  
STAUF A412  
communication@asu.edu  
480-965-5095

## Computational Mathematical Sciences, BS (LACMSBS)

**Campus:** Tempe

### Program Description:

This BS program in computational mathematical sciences is a fusion of mathematics, science and computing. Students in this program learn how to translate science and engineering problems into mathematical problems and solve them using computing algorithms. They develop strong problem-solving, analytical and programming skills as they work across diverse areas of science and mathematics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Mathematics, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACMSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

In a recent study, mathematics, computer science, applied mathematics and statistics all ranked among the top 15 most valuable college majors in terms of salary and career prospects. The computational mathematical sciences program brings all these disciplines together.

A bachelor's degree in computational mathematical sciences is one of the most versatile math degrees, offering graduates many career options. This degree positions them for careers in computer technology, business, medical research, teaching and education, engineering and more. Some pursue graduate opportunities in areas such as biophysics, economics, medicine, statistics and law. Diverse areas of study such as cancer modeling, weather forecasting and financial modeling all involve computational mathematical sciences.

### Contact Information:

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>

WXMLR A211  
math@asu.edu  
480-965-7195

## Data Science, BS (LADATSCIBS)

**Campus:** Tempe, Online

### Program Description:

Modern science and technology use sophisticated mathematical and computational tools to extract patterns from large, complex and often unordered data sets. Machine learning and data mining are invaluable technologies with applications as diverse as detecting fraudulent online credit-card transactions, understanding the dynamics of social movements, and personalizing medical treatments based on a tumor's unique genetic profile.

The BS degree program in data science prepares students to be critical analysts and users of data in a variety of areas such as business, research and government. This transdisciplinary program allows students to choose a focus area from a variety of fields to center their understanding of data science. With a mathematical core consisting of linear algebra, statistical inference and classification, data mining, machine learning and associated computer methods, students leave the program with a strong background in data-related skills that are useful in solving real-world issues.

### Additional Program Fee: Y

### Second Language Requirement: N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I  
or MAT 265 Calculus for Engineers I

**Program Math Intensity:** Substantial

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/data-science-online-degree/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LADATSCIBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Glassdoor.com ranks data scientist as third in the top 50 Best Jobs in America. It reports that the average annual salary in 2020 for data scientists was \$107,801. The McKinsey Global Institute projects a shortage of qualified workers with deep analytical skills.

In the data science program, students learn skills related to data analysis, data prediction models and ethical uses of research data, helping them prepare to meet the expressed needs of society.

Graduates of this program work in a variety of fields such as governmental research, education, health services and business. From predicting consumer behavior to extracting information from medical images, graduates are ready for a dynamic career that inspires global change.

### Contact Information:

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu/>  
WCLR 211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Earth and Environmental Studies, BA (LAEESBA)

**Campus:** Tempe

### Program Description:

The BA program in earth and environmental studies provides a foundational understanding of the evolution of the earth system with an emphasis on the planetary context for sustainable human societies.

The degree program includes broad training in the physical sciences, especially process-oriented geosciences that focus on Earth's life-sustaining surface environment. Advanced courses focus on topics including:

- climate change
- earth's water, energy and material resources
- impact of land-use change on human civilization
- physical, chemical and biological process interactions that define Earth's evolution

This is designed as a liberal arts program with an emphasis on basic scientific literacy, not as a preparatory degree program for graduate study in the natural sciences.

Students currently enrolled in the Bachelor of Arts in earth and environmental studies may not pursue a concurrent degree with the BS in earth and space exploration, the Bachelor of Science in earth and space exploration (astrophysics), the Bachelor of Science in earth and space exploration (astrobiology and biogeosciences), the Bachelor of Science in earth and space exploration (exploration systems design) or the Bachelor of Science in earth and space exploration (geological sciences) due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAEESBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

With a breadth of knowledge and experience and the acquired skills to integrate various domains of knowledge, graduates are prepared for a variety of careers that position them to help find solutions to tomorrow's environmental and sustainability challenges. Recent environmental

awareness in business and government has also resulted in new employment opportunities (e.g., environmental coordinators, directors and managers).

Sample careers include:

- environmental reporting
- education
- management
- public planning
- environmental administrative staff

Sample career settings include:

- governmental agencies
- museums
- nongovernmental organizations
- nonprofit organizations
- publishing
- regulatory agencies
- utilities

Graduates are also well prepared for admission to strong professional schools in fields outside the natural sciences.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu>  
ISTB4 795  
[sese-advising@asu.edu](mailto:sese-advising@asu.edu)  
480-965-5081

## Earth and Space Exploration, BS (LASESBS)

**Campus:** Tempe

**Program Description:**

The BS program in earth and space exploration offers students an integrated education across earth sciences, planetary sciences, astrophysics and engineering. The degree program incorporates a learning community that includes science and engineering students, a yearlong collaborative capstone senior exploration project and strong quantitative preparation.

This strong foundation in geosciences, astrophysics and exploration engineering prepares students for key roles in earth resources and exploration, environmental and geologic engineering, space research and industry, and water and environmental use policy.

Students currently enrolled in the Bachelor of Science in earth and space exploration may not pursue a concurrent degree with the BA in earth and environmental studies, the Bachelor of Science in earth and space exploration (astrophysics), the Bachelor of Science in earth and space exploration (astrobiology and biogosciences), the Bachelor of Science in earth and space exploration (exploration systems design), or the Bachelor of Science in earth and space exploration (geological sciences) due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The earth and space exploration major addresses critical future shortfalls in the national and regional training of the next generation of geoscientists and aerospace engineers.

Arizona has an expanding space industry with major new investments and is prepared to engage new technologies to monitor and understand environmental issues in Arizona, the Southwest and throughout the world.

Graduates with a Bachelor of Science in earth and space exploration have the tools, knowledge and understanding to address key problems of a global nature, whether they are working in the private or public sector.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu>  
ISTB4 795  
[sese-advising@asu.edu](mailto:sese-advising@asu.edu)  
480-965-5081

## **Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)**

**Campus:** Tempe

#### **Program Description:**

Astrobiology studies the origins, evolution, distribution and future of life in the universe. Biogeoscience focuses on the interaction of biological, geological and chemical processes on Earth in the present, past and future. These topics are closely related because the concepts of biogeoscience inform the study of planetary habitability and the search for habitable worlds.

Therefore, the astrobiology and biogeoscience concentration in the BS program in earth and space exploration is designed to offer students a strong foundation for exploring the interaction of geological and biological processes and understanding how such interactions sustain life on Earth and how they might operate on other planets. Those with this necessary scientific background contribute to the search for life on other planets, explore the life of extreme environments here on Earth and better understand how life on Earth responds to past, current and future global changes.

Students currently enrolled in the Bachelor of Science in earth and space exploration (astrobiology and biogeosciences) may not pursue a concurrent degree with the Bachelor of Science in earth and space exploration, the Bachelor of Science in earth and space exploration (astrophysics), the BA in earth and environmental studies, the Bachelor of Science in earth and space exploration (exploration systems design), or the Bachelor of Science in earth and space exploration (geological sciences) due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESABBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of the astrobiology and biogeosciences program are well prepared for graduate studies in these fields. Because astrobiology is increasingly the motivation for space science exploration missions, they are also well suited for entry-level careers in space science research. The degree program also provides broad training across a range of sciences, giving students a strong background for careers in biomedical, environmental or sustainability areas.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu>  
ISTB4 795  
[sese-advising@asu.edu](mailto:sese-advising@asu.edu)  
480-965-5081

## Earth and Space Exploration (Astrophysics), BS (LASESABS)

**Campus:** Tempe

**Program Description:**

The BS program in earth and space exploration with a concentration in astrophysics is designed to offer students a fundamental grounding in astronomy and astrophysics, with exposure to the related fields of geology, planetary science and engineering.

Students of the astrophysics major develop a background in theoretical modeling and observational techniques of galactic and stellar astronomy, extragalactic astronomy and cosmology. They learn to think critically about scientific problems by reducing the complexity to more tractable components.

The rigorous and quantitative coursework includes a combination of physics courses taught in the ASU School of Earth and Space Exploration and the Department of Physics. The tools of astronomical discovery are increasingly dependent on technological advances, and students are exposed to engineering principles and computer programming. Through the capstone project in the senior year, students gain valuable experience in translating science drivers into engineering solutions.

Students currently enrolled in the Bachelor of Science in earth and space exploration (astrophysics) may not pursue a concurrent degree with the BA in earth and environmental studies, the Bachelor of Science in earth and space exploration, the Bachelor of Science in earth and space exploration (astrobiology and biogeosciences), the Bachelor of Science in earth and space exploration (exploration systems design), or the Bachelor of Science in earth and space exploration (geological sciences) due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESABS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Graduates possess the skills required for a career in astrophysics, physics and related fields. They also are prepared to pursue graduate school in astrophysics or to perform laboratory research or data-intensive analyses that enable scientific progress or inform public policy.

Career opportunities include but are not limited to:

- aerospace engineer
- astrobiologist
- astronomer
- computer programmer
- data analyst
- instrumentation specialist
- planetary scientist
- science policy intern
- science writer
- teacher
- telescope operator

Career settings include:

- federal government
- K-12 schools
- manufacturing
- museums
- NASA facilities
- national laboratories
- NSF facilities
- observatories
- planetariums
- publishing
- space industries
- universities and colleges

Some of the listed careers may require advanced degrees or additional certifications.

### **Contact Information:**

Liberal Arts and Sciences, The College of

School of Earth and Space Exploration

<https://sese.asu.edu>

ISTB4 795

[sese-advising@asu.edu](mailto:sese-advising@asu.edu)

480-965-5081

## **Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)**

**Campus:** Tempe



**Program Description:**

The BS program in earth and space exploration with a concentration in exploration systems design offers students a fundamental curriculum in geology, physics and astrophysics while providing tools that enable them to design and build hardware and software to explore Earth and the universe beyond.

The program has a rigorous and quantitative grounding in the fundamentals of physics, mathematics and chemistry. Upon that foundation, students learn how to design hardware and software for scientific exploration. Coursework focuses on conceiving the requirements needed for a mission or project destined for space or extreme environments on Earth.

Each student in this program has the opportunity to learn how projects and missions are designed and planned, starting with the scientific drivers and then defining engineering specifications. All students are expected to complete a senior project that takes a desired scientific measurement and realizes the technological solution to achieve the observation.

Students currently enrolled in the Bachelor of Science in earth and space exploration (exploration systems design) may not pursue a concurrent degree with the BS in earth and space exploration, the BS in earth and space exploration (astrophysics), the BA in earth and environmental studies, the BS in earth and space exploration (astrobiology and biogosciences), or the BS in earth and space exploration (geological sciences) due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y**Second Language Requirement:** N**First Required Math Course:** MAT 265 - Calculus for Engineers I**Program Math Intensity:** Substantial**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)Transfer (<https://admission.asu.edu/transfer/apply>)International (<https://admission.asu.edu/international/undergrad-student>)Readmission (<https://admission.asu.edu/undergrad/readmission>)**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESEDDBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities include:

- astronomer
- geoscientist
- planetary scientist
- science policy intern
- science writer
- scientific instrumentation specialist
- space systems engineer
- systems engineer

Sample career settings include:

- aerospace industry
- federal government

- manufacturing
- NASA centers
- national laboratories
- observatories
- publishers
- space industries
- universities and colleges

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Earth and Space Exploration  
<https://sese.asu.edu>  
 ISTB4 795  
 sese-advising@asu.edu  
 480-965-5081

## Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)

**Campus:** Tempe

**Program Description:**

Geological science is the study of earth and other planets with an emphasis on the processes that have shaped them since the origin of the solar system. Students explore topics such as the co-evolution of life, oceans, atmosphere and the earth's climate system, and the record of that evolution encoded in rocks, soil, ice and isotopes.

The BS program in earth and space exploration with a concentration in geological sciences educates students in the fundamentals of geological sciences, providing a solid background in chemistry, mathematics and physics as well as mineralogy, structural geology, field geology and a variety of geologic subdisciplines.

Students gain a strong understanding of field methods as well as modern computing, remote sensing and instrumentation to effectively study the natural environment and earth's resources. Graduates of the program can apply their knowledge for the benefit of Arizona, the nation and society in general.

Students currently enrolled in the Bachelor of Science in earth and space exploration (geological sciences) may not pursue a concurrent degree with the Bachelor of Science in earth and space exploration, the Bachelor of Science in earth and space exploration (astrophysics), the BA in earth and environmental studies, the Bachelor of Science in earth and space exploration (astrobiology and biogosciences) or the Bachelor of Science in earth and space exploration (exploration systems design) due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 265 - Calculus for Engineers I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU

(<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=LASESGSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Graduates in geological sciences are prepared for employment in a variety of geoscience-related fields and for continued studies toward higher educational degrees. The geological science degree program provides broad training in the geosciences and supporting sciences, opening up diverse opportunities for employment in industry, government, education and other organizations. Geological science graduates understand how to approach diverse societal issues, such as water resources, mineral resources, geologic hazards, engineering geology and government regulations.

Sample careers include:

- environmental geologist
- geological engineer
- geologist
- government geologist
- mineral exploration geologist
- petroleum geologist
- science policy intern
- science writer
- water resources scientist

Sample career settings include:

- environmental industry
- federal, state, and local government agencies
- geotechnical industry
- museums
- petroleum industry
- publishers
- small exploration companies and large mining companies

Some of the listed careers may require advanced degrees or additional certifications.

### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Earth and Space Exploration  
<https://sese.asu.edu>  
ISTB4 795  
[sese-advising@asu.edu](mailto:sese-advising@asu.edu)  
480-965-5081

## **Economics, BS (LAECNBS)**

**Campus:** Tempe, Online

### **Program Description:**

The Department of Economics at ASU provides highest-quality instruction to students, conducts cutting-edge research in economics and provides leadership and service to its professional communities. The department's undergraduate students are provided the critical thinking and communication skills needed to succeed in business, government or graduate school.

The BS program in economics is built on a strong core of economic theory, supplemented by mathematics and data analysis. All students are encouraged to develop programs of study tailored to their individual needs and interests. Students choose from a variety of courses within the department as well as from The College of Liberal Arts and Sciences and the university to broaden their knowledge and skills and individualize their learning experience.

Students currently enrolled in the Bachelor of Science in economics program may not pursue a concurrent degree with the BS in politics and the economy or the BS in economics, offered by the W. P. Carey School of Business, due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 270 Calculus w/Analytic Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/economics-bs-college-liberal-arts-and-sciences/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAECNBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates have been very successful in business, consulting and government. Others have gone on to the best law schools in the country and top doctoral and MBA programs in the United States and abroad. Many graduates have won prestigious national awards, such as the Marshall Award, National Science Foundation fellowships, Fulbright fellowships and the Truman Award.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Economics Program in CLAS

<https://wpcarey.asu.edu/economics-degrees/undergraduate>

CPCOM 412

wpcareyecn@asu.edu

480-965-3531

## Economics (Politics and the Economy), BS (LAECNPECBS)

**Campus:** Tempe

**Program Description:**

The concentration in politics and the economy serves undergraduate students in the BS program in economics who wish to pursue careers in business, economic and political consulting, political science, law and government.

In addition to coursework drawn from economics, the concentration also requires coursework that highlights the impact of government policies on the economy and the conditions under which government interventions may be warranted. Students take political science courses that provide a deep understanding of political processes and institutions as well as methodologies for understanding that behavior.

Students currently enrolled in the Bachelor of Science in economics with a concentration in politics and the economy may not pursue a concurrent degree with the BS in politics and the economy or the BS in economics offered by the W. P. Carey School of Business due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus  
or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAECNPECBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are well prepared for successful careers in business, economic and political consulting, law and government, whether they seek employment immediately upon graduation or they choose to pursue advanced degrees in law, business, economics or political science.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Economics Program in CLAS

<https://wpcarey.asu.edu/economics-degrees/undergraduate>

CPCOM 412

wpcareyecn@asu.edu

480-965-3531

## English, BA (LAENGBA)

**Campus:** Online

**Program Description:**

The BA program in English is offered completely online.

Students supplement a core focus on critical studies and analysis with courses chosen from literature, linguistics, film and media and creative and nonfiction writing to complete a robust program of study.

This newly updated undergraduate program in English studies prepares students for an ever-expanding variety of careers or for continuing their studies in graduate and professional programs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-english/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Degree programs in English and film and media studies prepare students for a variety of careers in diverse fields. Employers seek those with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- editing
- journalism
- law
- medicine
- nonprofit organizations
- professional and technical writing
- public relations
- publishing
- teaching
- web content development

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of English

<https://english.asu.edu/>

RBHL 170

[englishadvising@asu.edu](mailto:englishadvising@asu.edu)

480-965-3168

## English (Creative Writing), BA (LAENGCBBA)

**Campus:** Tempe

### Program Description:

Students in the creative writing concentration of the BA program in English study and practice the art of writing poetry and fiction.

Students gain practical experience through writing workshops and internship opportunities that prepare them for an ever-expanding variety of careers in writing, publishing, editing, teaching, media and public relations. The undergraduate program also prepares students to continue their studies in graduate and professional programs.

The undergraduate program features an outstanding faculty that has published more than 80 books and has garnered national and international attention and awards.

### Additional Program Fee:

 Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGCBBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Employers in all fields are always looking for individuals with strong writing and communication skills and the ability to think critically, skills that a bachelor's degree in English with a concentration in creative writing provides. Some of the most common professions for English majors are in these fields:

- business
- editing
- journalism
- law
- medicine
- nonprofit community service
- professional writing
- public relations
- publishing

- teaching
- web content development

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
englishadvising@asu.edu  
480-965-3168

## English (Linguistics), BA (LAENGNBA)

**Campus:** Tempe

**Program Description:**

Students in the linguistics concentration of the BA program in English focus on study of the history and structure of language. Students have the opportunity to study with distinguished faculty actively engaged in scholarly research and to gain practical experience through internships that prepare them for an ever-expanding variety of careers. The program also prepares students to continue their studies in graduate and professional programs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Linguistics and Applied Linguistics, MA

Teaching English to Speakers of Other Languages, MTESOL

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGNBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and other communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- journalism



- law
- medicine
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- web content development

**Contact Information:**

Liberal Arts and Sciences, The College of  
 Department of English  
<https://english.asu.edu/>  
 RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
 480-965-3168

## English (Literature), BA (LAENGTBA)

**Campus:** Tempe

**Program Description:**

Students in the literature concentration of the BA program in English study texts and cultures from the earliest writings in English to contemporary expressions, on paper, online and out in the world. They learn to read critically and analyze representations and to understand how stories work to define human cultures.

The program offers students the opportunity to engage with faculty in exploring American and British literature, critical theories and methods and interdisciplinary studies. Students can choose from a broad array of courses to further explore subjects such as race and ethnicity, gender and sexuality and literary histories and traditions.

Students can gain practical experience through research, writing and internships that prepare them for an ever-expanding variety of careers. The undergraduate programs also prepare students to continue their studies in graduate and professional programs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGTBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

With a degree in English, graduates' career options are virtually endless. Employers in all fields are always looking for those with strong writing and other communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- journalism
- law
- medicine
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- web content development

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## **English (Secondary Education), BA (LAENGSEBA)**

**Campus:** Tempe

#### **Program Description:**

The BA in English with a concentration in secondary education focuses on rigorous content in literature, composition, linguistics and secondary teaching pedagogy. This program provides extensive preparation for meeting the needs of all student populations, including attention to levels of academic performance and cultural and linguistic diversity.

Students finish the program with Arizona Department of Education certification for middle and high school English language arts. Both a fingerprint clearance and a background check are required in the second year of the program.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English Education, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGSEBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students graduating with a bachelor's degree in English with a concentration in secondary education have tremendous opportunities for employment. With more than one million students in a state ranked seventh in the nation in population growth, the need for certified teachers in Arizona is self-evident. Arizona State University provides more of those teachers than any other institution of higher education.

In the last 15 years, ASU graduates have had their pick of teaching jobs around the valley and around the state. After student teaching in school districts in the greater Phoenix area or within one of the 22 Native American nations in the state, graduates are often hired to teach in the same school in which they completed their internship.

New teachers continue to be in demand because the predicted rate of population growth in Arizona is still strong and the retirement rate of teachers is increasing.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## English (Writing, Rhetorics and Literacies), BA (LAENGWBA)

**Campus:** Tempe

**Program Description:**

The BA program in English with a concentration in writing, rhetorics and literacies teaches students strategies for inquiry.

Students explore the ways in which communication creates knowledge and action. Students study how communication is constructed, circulated, reacted to and repurposed through time and place. Through differing tools of inquiry, students investigate the history, theories and methods of inquiry as well as pragmatic and social actions of rhetoric, writing and literacies.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

English, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transferecreditguide/app/transfermap?major=LAENGWBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are vast for this concentration: in business, private companies, government, nonprofit organizations and anywhere where critical inquiry, innovative thinking, communication, decision-making, future studies and collaboration are valued and needed. This program also prepares students for further education in teaching, law and other professional programs.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## Family and Human Development, BS (LAFASBS)

**Campus:** Tempe, Online

**Program Description:**

The BS degree program in family and human development focuses on the well-being of children, youth and families.

This program offers courses on the development of the individual and family throughout the lifespan. Students majoring in family and human development examine contemporary issues in society and how they impact families. Students also develop proficiency in written communication, computer skills, statistical analysis and research methodology.

Students currently enrolled in the Bachelor of Science in family and human development may not pursue a concurrent degree with the Bachelor of Science in sociology due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-family-and-human-development/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAFASBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A bachelor's degree in family and human development prepares students for a rewarding career in child and family advocacy, education and social services or for graduate work in counseling, research and applied fields.

This program provides excellent preparation for future graduate work in:

- counseling
- health-related professions
- law
- social work

It also prepares undergraduates for direct entry into positions in:

- business
- government
- social service

**Contact Information:**

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu>  
SS 144  
[advisor@asu.edu](mailto:advisor@asu.edu)  
480-965-6978

## Film (Film and Media Studies), BA (LAFMSBA)

**Campus:** Tempe, Online

**Program Description:**

The BA program in film with a concentration in film and media studies is an innovative program in the study of film, television and digital media.

The program provides students with the analytical, creative and communication skills to interpret and produce media texts, empowering them to be critical scholars, consumers and practitioners of media culture.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-film-and-media-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAFMSBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The film and media studies concentration provides undergraduates with skills that can be applied in a number of professional fields, including as leaders within these areas of the media and entertainment industries:

- creative management
- criticism
- development
- marketing
- regulation
- teaching

Some graduates of film and media studies have gone on to pursue graduate studies at prestigious universities while others elect to begin their careers. Graduates are prepared for employment as executives, screenwriters, producers, reviewers, teachers, marketers, analysts and bloggers.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of English  
<https://english.asu.edu/content/film-film-and-media-studies>  
RBHL 170  
[englishadvising@asu.edu](mailto:englishadvising@asu.edu)  
480-965-3168

## French, BA (LAFREBA)

**Campus:** Tempe

**Program Description:**

The BA program in French offers the opportunity to study the language, literature and culture of France and francophone countries.

Students gain competence in reading, writing, and oral and aural skills in the French language and take a number of related courses on topics such as:

- art
- cinema
- colonization
- government and political science
- history and civilization
- international business
- linguistics
- literature and theater
- popular culture
- religion

Students are encouraged to join the French Club to help them gain proficiency in the language. In addition, the School of International Letters and Cultures offers faculty-directed summer study abroad programs in Lyon, France and Quebec, Canada, and it endorses partnership and exchange programs in francophone Africa, Canada and Europe. More information on study abroad opportunities is available at <https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages> (<https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Language Teaching, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAFREBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Career fields using French include:

- advertising, marketing and communications
- diplomatic and foreign service
- domestic and international business
- fashion
- film, television and multimedia
- foreign correspondence and journalism
- international education and study abroad
- interpreting and translation
- teaching and research
- travel and tourism

Additional education or certification may be required for some career paths.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of International Letters and Cultures

<https://silc.asu.edu/degrees/french>

LL 440

[silcadvising@asu.edu](mailto:silcadvising@asu.edu)

480-965-6281

**Campus:** Tempe, Online

**Program Description:**

Students in the BS program in geographic information science begin their study by gaining a strong foundational understanding of geographic information systems, statistical analysis and computer programming. Students expand on this foundation through upper-division coursework in the major that enables the pursuit of deeper and more focused understanding of the application of geographic information science technologies to complex environmental and societal issues.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/geographic-information-science-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGISBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates in geographic information science pursue career opportunities in both the private and public sectors. Some of the career opportunities for graduates of the Bachelor of Science program in geographic information science include:

- cartographers and photogrammetrists
- geographic information system technicians
- geospatial information scientists and technologists
- location analysts
- mapping technicians
- remote sensing scientists and technologists

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/bsgis>



COOR 5681  
SGSUP.advising@asu.edu  
480-965-7533

## Geography, BA (LAGCUBA)

**Campus:** Tempe, Online

### Program Description:

Combining the physical environment with human interaction, the BA in geography program emphasizes humanistic and cultural traditions.

Students pursuing undergraduate studies in geography typically concentrate on knowledge-building in understanding various cultural phenomena or in studying regions such as: Africa, Asia, Australia and Oceania, Europe, Latin America and North America.

### Additional Program Fee: Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Geography, MA

Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-geography/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Geographers obtain careers in:

- community development
- foreign service
- geodemographic analysis
- governmental organizations
- intelligence analysis
- international trade
- nongovernmental organizations

- public sector transportation planning
- teaching
- urban and regional planning

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/undergraduate-degrees/geography>  
 COOR 5681  
 SGSUP.advising@asu.edu  
 480-965-7533

**Geography, BS (LAGCUBS)**

**Campus:** Tempe, Online

**Program Description:**

Geographers have a unique spatial perspective in understanding the world, from global to local, through the twin lenses of space and place.

Students in the BS program in geography learn about natural features of the world, including landforms, plants, water and weather, as well as the impact humans have on the world. This degree program also emphasizes social science or environmental science dynamics involving economic patterns, human populations and transportation.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Geography, MA

Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-geography/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

With a focus on geospatial techniques, geographers with a Bachelor of Science degree go on to careers such as:

- computer cartographers
- environmental impact assessment analysts
- geographic information science specialists and analysts
- geomorphologists
- hydrology and water resource specialists
- location analysts for businesses
- photogrammetry specialists
- remote sensing analysts

Graduates also are presented with a host of other geospatial career options in the burgeoning fields of geographic information science, mapping and navigation systems.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/undergraduate-degrees/geography-0>  
COOR 5681  
SGSUP.advising@asu.edu  
480-965-7533

## Geography (Meteorology-Climatology), BS (LAGCUMBS)

**Campus:** Tempe

**Program Description:**

The meteorology-climatology concentration under the BS program in geography is designed to meet the requirements for certification as a meteorologist by the National Weather Service. It covers dynamic as well as synoptic meteorology.

Students gain a focused understanding of weather, climate and the various related methods of measurement and instrumentation. Required courses include atmospheric physics, operational weather forecasting, three semesters of calculus and two semesters of calculus-based physics.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Journalism and Mass Communication, BA

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Geography, MA

Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- minimum ABOR GPA of 3.75
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUMBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students successfully completing the program have found employment with:

- airlines
- energy power companies
- government agencies
- military (meteorology and pilot training)
- National Weather Service

This program also provides suitable preparation for graduate study in either meteorology or climatology.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/undergraduate-degrees/geography-meteorology-climatology>  
COOR 5681  
SGSUP.advising@asu.edu  
480-965-7533

## Geography (Urban Studies), BS (LAGCUUBS)

**Campus:** Tempe

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

Geographers' understanding of the modern world stems from their unique spatial perspective. Whether the topic is local or elsewhere in the world, they view it through the twin lenses of space and place.

The urban studies concentration under the BS program in geography applies the tools of geography to the study of urban areas. Students have an opportunity to focus, in particular, on the Phoenix metropolitan area and other rapidly urbanizing regions in arid climates. Tied with geographic information science, the urban studies major brings together both knowledge and skill sets in a powerful way.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUUBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students successfully completing the Bachelor of Science program in geography with a concentration in urban studies pursue employment with city planning agencies as well as other government entities at various levels (county, state and federal). The urban studies concentration, especially when combined with a focus on geographic information science, gives graduates an advantage in careers that combine urban planning with geographic information science and in other jobs dealing with urban issues, including:

- economic development planning
- geographic information science databases for city governments
- housing issues
- sustainable planning
- transportation

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning

<https://sgsup.asu.edu/>

COOR 5681

[SGSUP.advising@asu.edu](mailto:SGSUP.advising@asu.edu)

480-965-7533

## German, BA (LAGERBA)

**Campus:** Tempe

**Program Description:**

Students in the BA program in German study the language, literature and culture of German-speaking people and gain competence in reading, writing, and oral and aural skills in the language. The program offers thought-provoking, engaging classes and experiences led by a core of faculty eager to help students succeed in achieving their goals. German classes provide opportunities for exploring how people in German-speaking Europe:

- understand the world through literature, film, the performing arts and other cultural practices
- engage with the worlds of politics, economics, social justice and humanitarianism
- think deeply about philosophy, the influence of history and the environment
- have become global leaders in the fields of business, engineering and the natural sciences

or in a semester or academic-year exchange program available at several German universities.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Language Teaching, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGERBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- nongovernmental organization professional
- professor of language, literature and culture
- translator or interpreter
- travel professional

Career fields in which knowledge of multiple languages and cultures is valued include:

- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hotel and resort management
- international education and study abroad administration
- international law
- lifestyle management
- military

- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
 LL 440  
 silcadvising@asu.edu  
 480-965-6281

**Global Health, BA (LASSHBA)**

**Campus:** Tempe, Online

**Program Description:**

The BA in global health is a transdisciplinary degree that provides students with new skill sets and perspectives to help them understand and solve contemporary public health challenges in diverse cultures while accounting for social, historical, biological and ecological considerations, whether in the poorest nations or the most industrialized.

The curriculum focuses on identifying critical issues, asking the right questions and creating meaningful and effective solutions that top health employers demand, and through transformative hands-on experience students gain personal growth, empathy and insight. Students are required to participate in an approved global health study abroad program, and a variety of destinations and focuses are available.

Many faculty in the School of Human Evolution and Social Change hold titles of national distinction and are recognized experts in hot topics such as water security, obesity, resource management, disease, mental health, and stigma, among others.

Students enrolled in this program may not pursue a concurrent degree with the Bachelor of Arts in anthropology or the BS in anthropology, but they may add a minor in anthropology to complement the core curriculum.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Health, MA
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-global-health/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASSHBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations, such as migrants, minorities and those living in poverty, and many of these jobs are directly or indirectly related to health.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Human Evolution & Social Change  
<https://shesc.asu.edu>  
SHESC 233  
[shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)  
480-965-6215

## Global Studies, BA (LASGSBA)

**Campus:** Tempe, Online

**Program Description:**

The BA program in global studies examines the causes and consequences of problems that cross national boundaries and the governance of these problems in social, cultural and economic contexts.

The degree program aims to address real-world problems and their solutions. This mission is enabled by an internationally recognized faculty with



extensive global experience from a wide variety of disciplines in the social sciences and humanities. Global studies faculty members orient their work toward solving global problems by drawing on expertise in diverse disciplines.

The global studies program uses teaching, research and public policy activities to address some of the most challenging issues that include:

- economic and social development
- global cities and urbanization
- global governance of health and climate change
- justice and human rights
- religious identities, rights and conflicts
- world culture

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Security (Cybersecurity), MA
- Global Security, MA
- Political Science, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-global-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASGSBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

A global studies degree prepares graduates for professional and graduate training in fields like law, business and public policy and with the broad foundational knowledge required for future decision-making in government, business and policy entities.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Politics and Global Studies

<https://spgs.asu.edu/>

COOR 6797

## History, BA (LAHISBA)

**Campus:** Tempe, Online

Only the standalone BA or the accelerated History BA/MA combination are available to ASU Online students at this time.

### Program Description:

Students pursuing the BA in history study the growth and development of human society from political, social, economic and cultural perspectives. Students learn to craft stories from materials other people have left behind --- constitutions, land deeds, diaries, guns and bones. They learn to make decisions about what to investigate, whom to believe, what happened first, and why things fell apart or came together.

History is a discipline that constantly adopts new techniques of analysis and new ways of gathering and presenting information. Students of history learn to use and create digital media, to perform quantitative as well as qualitative analysis, and to present their findings in compelling ways to all kinds of audiences.

Students currently enrolled in the Bachelor of Arts in history offered by The College of Liberal Arts and Sciences may not pursue a concurrent degree with the BA in history (secondary education), the BA in history offered by the New College of Interdisciplinary Arts and Sciences, or the BA in history offered by the College of Integrative Sciences and Arts due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- History, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-history/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHISBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

History majors are in demand. They know how to find and evaluate evidence, form arguments and present analysis --- skills essential to most careers including law, business, education, medicine and government.

Three out of four employers surveyed by the Association of American Colleges and Universities say they want colleges to place more emphasis on helping students develop five key learning outcomes: critical thinking, complex problem-solving, written communication, oral communication and applied knowledge in real-world settings. These learning outcomes are integral elements of an undergraduate degree in history.

History majors seek jobs in:

- business and industry
- communications
- education
- foreign service
- law enforcement
- museums
- public administration
- social services

History is an excellent foundation for graduate and professional studies in:

- business
- history
- justice studies
- law
- medicine
- public administration
- public history
- theology

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/undergrad/ba-history>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## **History (Secondary Education), BA (LAHISSEBA)**

**Campus:** Tempe

#### **Program Description:**

The secondary education concentration within the BA in history offers a flexible degree for students who are considering a career in education. The concentration program fully prepares students for teaching and certification. At the same time, all the disciplinary knowledge of a traditional history degree provided by the program prepares students for a variety of noneducation careers.

History is a discipline that constantly adopts new techniques of analysis and new ways of gathering and presenting information. Students of history learn to use and create digital media, to perform quantitative as well as qualitative analysis, and to present their findings in compelling ways to all kinds of audiences.

Students currently enrolled in the Bachelor of Arts in history with a concentration in secondary education offered by The College of Liberal Arts and Sciences may not pursue a concurrent degree with the Bachelor of Arts in history offered by The College of Liberal Arts and Sciences, the Bachelor of Arts in secondary education with a concentration in history offered by the Mary Lou Fulton Teachers College, the Bachelor of Arts in history offered by the New College of Interdisciplinary Arts and Sciences, or the Bachelor of Arts in history offered by the College of Integrative Sciences and Arts due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHISSEBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The combination of courses within the secondary education concentration offers a broad education that prepares students for careers in a variety of fields, including:

- archival research
- business and industry
- education
- law and law enforcement
- public history
- publishing
- social work

**Contact Information:**

Liberal Arts and Sciences, The College of

Historical, Philosophical & Religious Studies, Sch

<https://shprs.asu.edu/degree/undergrad/ba-history-secondary-education>

COOR 3307

SHPRSadvising@asu.edu

480-965-8364

## **Integrated Studies, BA (LAISTBA)**

**Campus:** Tempe

**Program Description:**

Developed for the academically superior whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students who are approved for the major the opportunity to work one-on-one with faculty mentors to create a personalized, focused and coherent course of study that draws its curriculum from more than one academic department or college.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

Some courses of study require more intensive mathematics coursework to meet prerequisites for certain classes.

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

This program is not available to first-year students. There is an additional application for this degree program. Admission consists of completion of 32 credit hours at ASU with a GPA of at least 3.25, and three letters of recommendation from ASU faculty members. For more information, students should contact the senior director for advising and retention, Office of Student and Academic Programs, Futures Center, Armstrong Hall, Suite 112.

**Change of Major Requirements:**

This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A"), and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet these qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in The College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling (480) 965-6506.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAISTBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The professional and vocational opportunities provided by the integrated studies degree depends on the area of concentration and the particular focus of study. The integrated studies degree program shares with all other liberal arts and sciences programs in the goal of developing students' analytical abilities and communication skills. The program combines breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry.

Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies.

**Contact Information:**

Liberal Arts and Sciences, The College of

Dean, The College of Liberal Arts and Sciences

<https://thecollege.asu.edu/degree/undergrad/ba-integrated-studies-ba>

ARM 112

[thecollege@asu.edu](mailto:thecollege@asu.edu)

480-965-6506

## Integrated Studies, BS (LAISTBS)

**Campus:** Tempe

**Program Description:**

Developed for the academically superior whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students who are approved for the major the opportunity to work one-on-one with faculty mentors to create a personalized, focused and coherent course of study that draws its curriculum from more than one academic department or college.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

Some courses of study require more intensive mathematics coursework to meet prerequisites for certain classes.

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

This program is not available to first-year students. There is an additional application for this degree program. Admission consists of completion of 32 credit hours at ASU with a GPA of at least 3.25, and three letters of recommendation from ASU faculty members. For more information, students should contact the senior director for advising and retention, Office of Student and Academic Programs, Futures Center, Armstrong Hall, Suite 112.

**Change of Major Requirements:**

This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A"), and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet these qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in The College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling 480-965-6506.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAISTBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The professional and vocational opportunities provided by the integrated studies degree depend on the area of concentration and the particular focus of study. The integrated studies degree program shares with all other liberal arts and sciences programs the goal of developing students' analytical abilities and communication skills. The program combines breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry. Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies.

**Contact Information:**

Liberal Arts and Sciences, The College of

Dean, The College of Liberal Arts and Sciences

<https://thecollege.asu.edu/degree/undergrad/bs-integrated-studies-bs>

ARM 112

[thecollege@asu.edu](mailto:thecollege@asu.edu)

480-965-6506

## International Letters and Cultures, BA (LASLCBA)

**Campus:** Tempe

**Program Description:**

The BA in international letters and cultures is a degree program grounded in the advanced study of at least one foreign language. It is more transcultural and transdisciplinary than a traditional languages and literatures degree program and is designed to encourage students to explore and challenge the traditional boundaries of cultures, texts and disciplines.

Students work closely with faculty and advisors to choose a program that combines study and research in a minimum of two cultures or disciplines, or in both.

Students must meet with an advisor in the School of International Letters and Cultures to discuss this degree option. It is not recommended for first-year students.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhances any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent and media professional
- foreign service officer
- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- translator and interpreter
- travel professional

Career fields and occupations using languages include:

- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hospitality industry
- hotel and resort management
- international education and study abroad administration
- international law
- military
- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## International Letters and Cultures (Arabic Studies), BA (LASLCASBA)

**Campus:** Tempe

**Program Description:**

The BA program in international letters and cultures with a concentration in Arabic studies provides critical and cultural diversity in advanced Arabic language and literature that enriches ASU students' undergraduate experience.

The program provides a broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world and prepares students for a thriving job market. The Arabic studies concentration also benefits students interested in academic research and careers in public and diplomatic service as well as in national security.

This concentration complements existing degree programs in the School of International Letters and Cultures and enhances studies in social science disciplines such as political science and global studies as well as many humanities fields, including anthropology, history, philosophy and religious studies.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCASBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree in international letters and cultures with a concentration in Arabic studies provides greater insight into the vast Arab world of 22 countries and can lead to career opportunities in areas such as journalism, translation, international consultations, government (e.g., the U.N. and CIA), social work, law and health.



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480-965-6281

## International Letters and Cultures (Classical Civilization), BA (LASLCVBA)

**Campus:** Tempe

**Program Description:**

Classics is a transdisciplinary field that includes the study of the literature, art, history and philosophy of the ancient Greeks and Romans, subjects which fueled the Renaissance and have continued to provide an intellectual foundation for innovative and influential people ever since.

ASU's BA program in international letters and cultures with a concentration in classical civilization provides a thorough grounding in the culture and history of the ancient Greeks or Romans while allowing students to satisfy their language requirement. The program begins with two cores: an introduction to ancient Greek and Roman literature (read in English translation) and knowledge of ancient history. With that basis, students are allowed to build a program to meet their needs and interests. Among the variety of topics students pursue are:

- ancient history, war, politics and economics
- archaeology of the ancient Mediterranean world
- art and architecture of the ancient Egyptians, Greeks and Romans
- mythology and religious practices of the Greeks and Romans
- thought of figures such as Plato, Aristotle and Lucretius
- use of the classics in today's film, books and other media

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCVBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

College graduates with a degree in classical civilization have the valuable experience of studying a culture that is very different from the modern world yet lies at the root of it. This gives them a perspective that serves them well in a variety of disciplines. Classical civilization graduates may consider careers in:

- business
- film, television or multimedia
- K-12 education
- law
- public service
- writing and editing (fiction, journalism, technical writing)

Additional education may be required for some career fields.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## International Letters and Cultures (Classics), BA (LASLCCBA)

**Campus:** Tempe

**Program Description:**

Classics is the study of the literature, art, history and philosophy of the ancient Greeks and Romans --- a transdisciplinary field that fueled the Renaissance and that has continued to provide an intellectual foundation for innovative and influential people ever since.

The BA program in international letters and cultures with a concentration in classics begins with two cores: language skills in ancient Greek or Latin (or, if the student chooses, both) and knowledge of ancient history. With that basis, students build a program to meet their needs and interests. Among the variety of topics students pursue are:

- ancient history, war, politics and economics
- literary classics such as Homer, Sophocles, Virgil and Ovid
- the archaeology of the ancient Mediterranean world
- the art and architecture of the ancient Egyptians, Greeks and Romans
- the mythology and religious practices of the Greeks and Romans
- the thought of figures such as Plato, Aristotle and Lucretius
- the use of the classics in today's film, books and other media

In addition to the concentration in classics, ASU also offers a classical civilization concentration with a similar focus but different language requirements. Students should consult their advisor and choose the concentration that best meets their needs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCCBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with a degree in the classics possess skills in research and the precise use and analysis of language. The transdisciplinary study of a culture that is very different from the modern world yet lies at the root of it also fosters the ability to view issues from many angles and to think critically about them.

As many employers are well aware, a classics graduate has the training that enables them to solve difficult puzzles, to see through obscure language and to conduct rigorous research on often ill-defined problems. These skills are prized in any field of endeavor. Classics graduates often find careers in:

- business
- Christian ministry
- film, television and multimedia
- law
- politics
- education
- writing and editing (fiction, journalism, technical writing)

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
480-965-6281

## Italian, BA (LAITABA)

**Campus:** Tempe

**Program Description:**

The BA program in Italian offers students an opportunity to study the literature and culture of Italy while gaining a respectable measure of competence in reading, writing, oral and aural skills in the Italian language. Students broaden their knowledge by completing a number of related courses on topics such as:

- art
- film
- government
- history
- literature and culture
- religion

Faculty-directed summer programs in Italy are available for students who wish to study the language and culture while living in the country. Study abroad programs in various cities in Italy are also available during the academic year.

More information on study abroad opportunities may be found at <https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages> (<https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAITABA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent and media professional
- foreign service officer
- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- nongovernmental organization professional
- professor of language, literature and culture
- translator and interpreter
- travel professional

Career fields and occupations in which knowledge of diverse languages and cultures is valuable include:

- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hospitality industry
- international business
- international education and study abroad administration
- international law
- public relations
- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Jewish Studies, BA (LAJSTBA)

**Campus:** Tempe

**Program Description:**

The BA in Jewish studies offers a transdisciplinary, cross-cultural program of study focusing on the study of Judaism, defined as the civilization of the Jews. It considers Jewish history and modern life and facilitates enhanced cultural awareness and a global perspective.

As with other degree programs in the humanities, a bachelor's degree program in Jewish studies can provide a balance to studies in contemporary science and technology.

Students choose a thematic concentration from history and society, literature and culture, or religion and thought.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJSTBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students who receive a bachelor's degree in Jewish studies and pursue a career with one of the hundreds of U.S. companies that do business in Israel have a competitive edge because of their familiarity with Jewish culture. Jewish studies graduates are also prepared to:

- attend rabbinical seminary in preparation for becoming a community rabbi or chaplain
- engage in world political and economic issues
- pursue advanced education in Jewish professional service fields

The degree also provides a firm foundation for students who wish to pursue advanced degrees related to their area of interest in fields that may include:

- archaeology
- creative writing
- ethics
- film and media
- history
- journalism
- justice studies
- law
- philosophy
- political science
- religious studies

**Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://jewishstudies.asu.edu/content/jewish-studies>  
COOR 3307  
SHPRSAdivising@asu.edu  
480-965-8364

## Justice Studies, BA (LAJUSBA)

**Campus:** Tempe, Online

**Program Description:**

Justice studies is an innovative social science and liberal arts program that examines contemporary social justice in a variety of contexts, including inequality, race, gender, citizenship, indigeneity and other significant areas.

This program provides a broad approach to understanding justice including in the legal system as well as in wider social contexts, such as in the many social justice issues that occur across countries and cultures. The BA program provides students the kind of broader perspective required in today's workforce, through a liberal arts focus and the requirement to enroll in language courses.

This program equips students with a dynamic knowledge of the world's justice systems and gives them the skills to create meaningful, real-world change.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Justice Studies, MS

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/justice-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJUSBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students emerge from this program with knowledge and skills designed to bring social justice concerns to their professional careers. Program graduates work in a variety of fields, including:

- administration
- business
- economics
- education
- human welfare and social work
- international relations
- law
- nongovernmental organizations
- politics
- public service fields

Many graduates go on to law school, graduate school or other professional degree programs.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Social Transformation

<https://dev-sst20.ws.asu.edu/degree/undergrad/ba-justice-studies>

NVS1 310AA

SSTadvising@asu.edu

480-965-7682

## Justice Studies, BS (LAJUSBS)

**Campus:** Tempe, Online

**Program Description:**

Justice studies is an innovative social science and liberal arts program examining current social justice issues. Students explore social justice in the context of inequality, race, gender, citizenship, indigeneity or other major contemporary issues.

This program provides a broad approach to understanding justice that includes the legal system and wider social contexts. To provide students with the analytical skills required of today's workforce, the BS degree program offers a social science focus and requires students to enroll in a quantitative data analysis course.

In this program, students use multiple research methodologies to understand social justice issues in diverse settings and working with a variety of people and cultures. The skills gained allow students to create real-world change.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Justice Studies, MS

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-justice-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJUSBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students emerge from this program with the knowledge and skills designed to bring social justice concerns to their professional careers. Program graduates work in a variety of fields, including:

- advocacy
- business
- economics
- education
- human welfare and social work
- international relations
- law
- nongovernmental organizations
- politics
- public service fields

Many graduates go on to law school, graduate school or other professional degree programs.  
Academic Catalog Archive 2021-2022



**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://dev-sst20.ws.asu.edu/degree/undergrad/bs-justice-studies>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## Mathematics, BA (LAMATBA)

**Campus:** Tempe

**Program Description:**

Math is the science of problem-solving. Students in the BA degree program in mathematics apply the critical thinking and problem-solving skills they learn to many endeavors, because math is a crucial component in engineering, life sciences, business, economics and social sciences.

Students acquire a strong general mathematics background but retain the flexibility to pursue other areas of interest through a minor or even a second major. Combining a second area of study such as life science, physics, computer science or business creates a powerful combination for future career goals.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Arts program in mathematics includes a foreign language requirement, making this an ideal option for students interested in careers in global business. It is also a top option for international students looking for a general math background.

A Bachelor of Arts degree in mathematics can be the springboard for many different careers in fields such as:

- business management
- computer engineering
- education
- financial analysis
- health care
- law
- medical science
- teaching

- technology

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXMLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Mathematics, BS (LAMATBS)

**Campus:** Tempe

**Program Description:**

The BS degree program in mathematics offers a grounding in both theoretical and applied mathematical concepts.

Classes cover a broad spectrum of advanced mathematical topics, including differential equations, modeling, numerical analysis, number theory, cryptography and real analysis.

Mathematics is foundational and can be applied to many different types of careers in many fields.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Mathematics, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Mathematics is a crucial part of engineering, life sciences, business, economics and social sciences.

Graduates with a bachelor's degree in mathematics can pursue careers in fields as diverse as computer science, finance, biotechnology, engineering, medical research and education. These are just a few of the top careers possible with a Bachelor of Science in mathematics:

- cryptographer
- engineer
- financial analyst
- mathematician
- operations research analyst
- statistician
- teacher

Many undergraduate math majors also pursue graduate studies in medicine or law.

Students interested in a career in teaching or education may also consider the bachelor's degree in mathematics concentration in secondary education: <https://math.asu.edu/content/mathematics-secondary-education> (<https://math.asu.edu/content/mathematics-secondary-education>).

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
 WXL R A211  
[math@asu.edu](mailto:math@asu.edu)  
 480-965-7195

## Mathematics (Secondary Education), BS (LAMATSBS)

**Campus:** Tempe

**Program Description:**

The BS program in mathematics with a concentration in secondary education provides an excellent pathway for students interested in teaching. Students acquire strong content knowledge in diverse areas of math and the skills to convey these concepts to others. This degree program offers a deeper mastery of mathematics coupled with the ability to handle the challenges of a high school classroom.

Students who wish to teach at the secondary level take courses preparing them to earn certification in the state of Arizona through this program. By providing a carefully designed curriculum of courses and instructional experiences, this program helps students develop the deep understandings and connections needed for being a highly effective mathematics teacher.

Graduates emerge equipped to provide mathematics instruction that is coherent, meaningful and challenging.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:  
 All students are required to meet general university admission requirements.  
 Freshman (<https://admission.asu.edu/first-year/apply>)  
 Transfer (<https://admission.asu.edu/transfer/apply>)  
 International (<https://admission.asu.edu/international/undergrad-student>)  
 Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The secondary education concentration provides its graduates the flexibility to apply their knowledge in a variety of ways. It combines the options of a bachelor's degree in mathematics and a bachelor's degree in education with choices ranging from teaching high school mathematics to jobs in diverse fields, such as:

- business
- finance
- industry
- technology

Graduates can also choose to pursue graduate studies in mathematics or mathematics education.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## Mathematics (Statistics), BS (LAMATTBS)

**Campus:** Tempe

**Program Description:**

In the BS program in mathematics with a concentration in statistics, students learn innovative mathematical, computational and statistical methods to analyze data sets as well as how to use data in real-world applications.

Using data analytics, students discover how to generate insights that inform fact-based decision-making. They use cutting-edge techniques to study and understand methods of statistical inference and explore strategies for dealing with uncertainty.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Statistics, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATTBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. Based on factors like pay, growth and job satisfaction, statistics has been named in separate job reports as one of the best careers for millennials. Data and the analysis of data is big business, and the Department of Labor projects a 25% growth in the need for employees trained in data analytics.

For students pursuing a bachelor's degree in mathematics with a concentration in statistics, that means an exciting future of career opportunities in fields as diverse as business, finance, engineering, technology, sports, marketing, government and other areas of the economy.

These are just a few of the top career paths students can pursue with a major in this bachelor's degree program:

- actuary
- data scientist
- financial analyst
- market research analyst
- software engineer
- sports statistician
- statistician
- teacher or professor

Students also can combine statistics with other disciplines, such as business or economics, to enhance preparation for their personal career goals.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Mathematical and Statistical Sciences  
<https://math.asu.edu>  
WXLR A211  
[math@asu.edu](mailto:math@asu.edu)  
480-965-7195

## **Microbiology, BS (LAMICBS)**

**Campus:** Tempe

#### **Program Description:**

The BS program in microbiology combines the study of the branch of biology involving the smallest of living things (bacteria, fungi, algae, protozoa and viruses) and immunology (the study of all aspects of the immune system).

Despite their small size, microbes are fundamental to life on Earth and compose the majority of all Earth's life forms. In addition to their essential contributions to the natural world, microbes have been model experimental subjects due to their impact on human health and ease of manipulation in the laboratory. A significant portion of medical research employs microbiological and immunological methods in order to examine basic genetic and biological phenomena.

The microbiology degree program places emphasis on understanding microorganisms and their interrelationships with other organisms in nature and on the influence of microorganisms in biomedicine and biotechnology. Students in the microbiology degree program study the background and current findings in the field of microbiology and also acquire the critical thinking skills and the hands-on laboratory and field skills required to succeed in science.

The major provides excellent training for premedical, pre dental, preveterinary and prepharmacy students as well as advanced study in microbiology and immunology.

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with any other program within the School of Life Sciences. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Biology, MS
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Microbiology, MS
- Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMICBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The discipline of microbiology is diverse and the job opportunities for microbiologists are enormous. Graduates with a degree in microbiology have opportunities for employment in:

- government
- hospitals
- industrial laboratories (food, dairy, chemical, pharmaceutical, environmental and biotechnology companies)
- public health laboratories
- research laboratories

Many students are also suitably prepared for admission into graduate school and advanced study in these fields:

- dentistry
- medicine

- pharmacy
- veterinary medicine

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences  
<https://sols.asu.edu/degree-programs/microbiology>  
LSA 189  
[sols.advising@asu.edu](mailto:sols.advising@asu.edu)  
480-727-6277

## Microbiology (Medical Microbiology), BS (LAMICMBS)

**Campus:** Tempe

**Program Description:**

The medical microbiology concentration serves students in the BS in microbiology degree program who aim to pursue careers in health professions, medical microbiology or biomedical research.

The curriculum aligns with the scientific competencies recommended for premedical students in a report of the American Medical Colleges and the Howard Hughes Medical Institute Committee and are also reflected in the 2015 changes to the MCAT. Coursework includes many of the courses in the microbiology major, including chemistry, biochemistry, math and physics, with some microbiology courses replaced by cell biology, animal physiology and courses that relate to human biology and society to emphasize core concepts, competencies and critical intellectual skills necessary to succeed in medical school or biomedical research. The concentration includes coursework that students need to prepare for the MCAT or medical school admission.

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with any other program within the School of Life Sciences. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biology, MS

Global Management, MGM

Microbiology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU

(<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMICMBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates of the bachelor's degree program in microbiology with a concentration in medical microbiology have fulfilled the majority of prerequisite requirements and mastered many of the competencies valued by graduate programs in medical, dental and optometry fields and by programs which prepare students to be physician assistants or physical therapists.

They have knowledge of foundational concepts in biological sciences, chemistry, physics and statistics as well as the ability to understand and apply core microbiology concepts. Additionally, they have a practical understanding of the process of science, preparing them for a career in research. They are prepared to enter research in a number of areas including but not limited to cellular biology, immunology, bacteriology and virology.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Life Sciences

<https://sols.asu.edu/>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

## **Molecular Biosciences and Biotechnology, BS (LAMBBBS)**

**Campus:** Tempe

#### **Program Description:**

The BS program in molecular biosciences and biotechnology encompasses many of the cutting-edge disciplines in life sciences research. Biotechnology is an exciting, rapidly growing field with major applications in agriculture (green biotechnology, leading to improved crops or production of vaccines in plants), health care (red biotechnology, leading to better therapeutics, diagnostics and personalized medicine) and industry (white biotechnology, leading to sustainable production of energy, enzymes and chemicals).

This molecular biosciences and biotechnology degree program focuses on the interface between molecular biology and biotechnology. The interface drives major advancements in knowledge and applied research and development, such as the development of next-generation biomedical products or biofuels. Hands-on research and the capstone course with both science and business or entrepreneurial components round out this exciting program.

This program is available as an accelerated degree program. Students may visit this website to learn more about accelerated degree programs: <https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science> (<https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science>).

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with any other program within the School of Life Sciences. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences

**Program Math Intensity:** Moderate

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Biochemistry (Medicinal Chemistry), MS

Biology, MS

Global Management, MGM

Microbiology, MS

Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.



**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMBBBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The molecular biosciences and biotechnology degree program provides an excellent background and training for a growing number of careers that incorporate this innovative area of the molecular life sciences. Independent research and courses with classroom plus lab components result in a solid base of knowledge and practical expertise in biotechnology and the molecular biosciences, providing many options for further education or for entering the workforce.

Many molecular biosciences and biotechnology graduates enter graduate programs in a molecular biosciences and biotechnology-related area. A number also enroll in medical school, other health-related professional programs or in other advanced programs. Graduates also have the knowledge and technical skills to enter the biotechnology workforce in an area matching their expertise and interest.

The molecular biosciences and biotechnology program has a faculty mentoring program which provides students with the opportunity to speak with faculty regarding career choices, selection and timeline of major courses and of independent research projects, and much more.

**Contact Information:**

Liberal Arts and Sciences, The College of

School of Life Sciences

<https://sols.asu.edu/>

LSA 189

[sols.advising@asu.edu](mailto:sols.advising@asu.edu)

480-727-6277

## Neuroscience, BS (LABMENBS)

**Campus:** Tempe, Online

**Program Description:**

Neuroscience is concerned with understanding the structure and function of the nervous system and its relation to behavior. The field of neuroscience spans all levels of biological analysis with interfaces to many fields such as mathematics, psychology, philosophy, law and engineering.

The BS program in neuroscience consists of rigorous, in-depth training in cellular and molecular neuroscience, systems biology, behavioral neuroscience, and cognitive neuroscience. After this breadth of training in foundational knowledge, students elect a focus area within these four categories.

Following coursework in their specific area of specialization, students are prepared for collaborative and interdisciplinary research in neuroscience. The degree program also enables students to enter professional degree graduate programs and to integrate innovative outcomes from the research community into their practices.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 251 - Calculus for Life Sciences  
or MAT 265 Calculus for Engineers I or MAT 270 Calculus with Analytic Geometry I

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Microbiology, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/neuroscience-degree/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABMENBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The bachelor's degree in neuroscience prepares students for work in fields such as:

- academic research
- bioengineering
- biotechnology
- data science
- medical research
- medicine
- neuropsychology
- pharmaceutical research and development
- physical rehabilitation
- speech rehabilitation

Graduates are also competitive for entry into graduate-level programs in biomedical fields that prepare them for careers in medicine, nursing, clinical professions, technology or veterinary medicine.

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of Psychology

<https://psychology.asu.edu>

PSY 202

[psych.advisor@asu.edu](mailto:psych.advisor@asu.edu)

480-965-7258

**Campus:** Tempe, Online

Accelerated options for this program are not currently available to ASU Online students.

**Program Description:**

The BA in philosophy teaches students how to think well, which in turn lays the foundation for personal and professional success.

Philosophy students learn how to structure arguments, write precisely and clearly, and communicate their ideas in an orderly, persuasive and unambiguous way. Many philosophical texts are complicated, and philosophy courses teach students how to read, comprehend and summarize conceptually difficult material. In short, studying philosophy trains one to be a better, clearer thinker.

Coursework includes the major subfields of philosophy, such as metaphysics, epistemology and ethics, and electives that connect philosophy to other areas of inquiry, emphasizing the social relevance of philosophy.

Philosophy alumni are well prepared for leadership roles whatever path they take, whether it be in business, law, politics, medicine or education.

Students currently enrolled in the Bachelor of Arts in philosophy may not pursue a concurrent degree with the Bachelor of Arts in philosophy with a concentration in morality, politics and law or the Bachelor of Arts in philosophy with a concentration in science, nature and mind due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-philosophy/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHIBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The analytical, rhetorical and writing skills developed through the study of philosophy provide ideal preparation for careers in a wide range of fields, including:

- business
- education
- journalism
- law
- medicine
- public service

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/undergrad/ba-philosophy>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## **Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)**

**Campus:** Tempe, Online

Accelerated options for this program are not currently available to ASU Online students.

#### **Program Description:**

The BA in philosophy with a concentration in morality, politics and law combines the basic analytical approaches of philosophy with an emphasis on the moral questions that arise in political theory and law. The foundations of our political and legal systems are moral values, such as individual liberty, equality and justice. These are contested values, open to different understandings of their nature and implications.

Students explore the nature of morality, political theory, legal theory and the interconnections between them. Students complete philosophy courses as well as courses from disciplines related to philosophy to enrich and enliven their understanding of the intersections of morality, politics and law. This degree program is of special interest to students planning to pursue postgraduate work in law, policy or politics.

Students currently enrolled in the Bachelor of Arts in philosophy with a concentration in morality, politics and law may not pursue a concurrent degree with the Bachelor of Arts in philosophy or the Bachelor of Arts in philosophy with a concentration in science, nature and mind due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM

Global Management (Global Entrepreneurship), MGM  
Global Management (Global Health Care Delivery), MGM  
Global Management (Global Legal Studies), MGM  
Global Management (Nonprofit Leadership and Management), MGM  
Global Management (Public Administration), MGM  
Global Management (Public Policy), MGM  
Global Management (Sustainability Solutions), MGM  
Global Management (Sustainable Tourism), MGM  
Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/philosophy-morality-politics-and-law-ba/>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHIMPBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates are prepared for career opportunities in law, policymaking and analysis, politics and intelligence work. For example, graduates may find employment with the U.S. Department of State, the Central Intelligence Agency or the United States Department of Justice. The program is excellent preparation for law school.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/undergrad/ba-philosophy-moral-pol-law>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## **Philosophy (Science, Nature and Mind), BA (LAPHISNMBA)**

**Campus:** Tempe

#### **Program Description:**

The BA program in philosophy with a concentration in science, nature and mind combines training in philosophy with an emphasis on those questions raised by the natural, social and cognitive sciences.

Scientific investigation of the physical world and the mind inevitably makes assumptions about what sorts of things are real, the relationship of physical systems to conscious thought, and the nature of scientific explanation. The natural and social sciences are thus connected with philosophical views in metaphysics and epistemology. In addition, more applied areas of science such as those concerned with sustainability and new technologies raise ethical and policy questions as well as questions about humans' moral relationship to the natural world.

Students enrich their understanding of the natural and social sciences through courses in philosophy as well as courses from related disciplines. Students who want to complement a science major with a second major in the humanities, and students who wish to do postgraduate work in medicine, sustainability or technology can find a great fit for their interests in this program.

Students currently enrolled in the Bachelor of Arts in philosophy with a concentration in science, nature and mind may not pursue a concurrent degree with the Bachelor of Arts in philosophy or the Bachelor of Arts in philosophy with a concentration in morality, politics and law due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHISNMBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The analytical, writing and problem-solving skills provided by a philosophy major are highly transferrable to a very wide range of jobs, and students with a degree in philosophy have the highest median income of all humanities graduates.

Graduates of the science, nature and mind concentration are prepared for career opportunities in medical and mental health fields, climate change areas and sustainability, information and policy analysis, and scientific and nature education and writing. For example, graduates may find employment with the U.S. Environmental Protection Agency.

This program also provides excellent preparation for students interested in medical school.

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch

<https://shprs.asu.edu/node/2101>

COOR 3307

SHPRSAvising@asu.edu

480-965-8364

## **Physics, BA (LAPHYBA)**

**Campus:** Tempe, Online

#### **Program Description:**

Physics is concerned with the nature, structure and interactions of matter and radiation. The BA program in physics provides a flexible and efficient option for students who are interested in a liberal arts degree with broad knowledge of physics. This degree program also is ideal for students seeking to complete two degrees, with physics as the second degree.

The program combines innovative learning methods with time-tested classroom and laboratory experiences for an education that is thorough in physics training and flexible enough to encourage interdisciplinary opportunities in areas such as chemistry, biology and materials science.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I  
or MAT 265 Calculus for Engineers

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHYBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates with a Bachelor of Arts degree in physics may pursue such careers as:

- patent scientist
- radiation physicist
- research or lab assistant
- science policy analyst
- secondary science teacher
- technology support analyst

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of Physics

<https://physics.asu.edu/content/physics-0>

PSF 470

[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)

480-965-3561

## Physics, BS (LAPHYBS)

**Campus:** Tempe

**Program Description:**

Physics is concerned with the nature, structure and interactions of matter and radiation.

The BS degree program in physics provides students a solid foundation in physical science and mathematics, which is appropriate for further graduate study in physics, other sciences or engineering programs.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Materials Science and Engineering, MS

Nanoscience, PSM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

Current ASU students wishing to change their major to physics should have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A") for all critical classes they have completed.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHYBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The broad range of applicability of the principles of physics gives the physicist great flexibility in a choice of career or further education. About half of the graduates with a bachelor's degree in physics go on to graduate school in:

- astronomy
- engineering
- medicine
- physics

The others go directly into employment in areas such as:

- business
- education
- engineering
- materials science

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of Physics

<https://physics.asu.edu/content/physics>

PSF 470

[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)

480-965-3561



## Physics (Secondary Education), BS (LAPHYSEBS)

**Campus:** Tempe

### Program Description:

The BS program in physics with a concentration in secondary education provides rigorous training in physics and in education. Physics is the cornerstone of STEM disciplines --- science, technology, engineering and mathematics.

In addition to gaining a solid foundation in physical science and mathematics, students acquire the knowledge and skills needed to enter the secondary school teaching profession as a certified physics teacher or attend graduate school for physics.

The shortage of highly qualified physics teachers in every state is an ongoing problem. This concentration is designed to produce more and better-qualified physics teachers to meet local and national needs. Graduates are recommended by the Mary Lou Fulton Teachers College for certification by the State of Arizona.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

Current ASU students wishing to change their major to physics should have a minimum cumulative GPA of 2.50 (scale is 4.00= "A") for all critical classes they have completed.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHYSEBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates of the secondary education concentration have the flexibility to select from jobs in diverse fields. The combination of science and education curriculum provides a range of career choices, such as:

- business
- engineering
- materials science
- secondary education

They can also choose to pursue graduate studies in:

- astronomy
- education
- engineering
- medicine
- physics

### Contact Information:

Liberal Arts and Sciences, The College of

Department of Physics  
<https://physics.asu.edu/node/276>  
PSF 470  
[physics.undergrad@asu.edu](mailto:physics.undergrad@asu.edu)  
480-965-3561

## Political Science, BA (LAPOSBA)

**Campus:** Tempe, Online

### Program Description:

The BA program in political science offers a variety of courses and opportunities to study politics and policies at the local, national and global levels. The program aims to provide students with the tools and skills necessary to link theory with real-world problems and issues.

Study how citizens interact with their governments and how governments at all levels formulate policies to serve or not serve their citizens. From U.S. elections and lobbying to international issues of terrorism, diplomacy and empowerment, students can learn about politics and explore innovative approaches to today's emerging challenges.

With coursework in several areas of political science and broad exposure to ASU's liberal arts offerings, the Bachelor of Arts degree in political science produces well-rounded learners with the research and writing skills useful for success in political or governmental careers, law school, graduate study, business or the nonprofit sector.

Students currently enrolled in the Bachelor of Arts program in political science may not pursue a concurrent degree with the Bachelor of Science in politics and the economy due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Security (Cybersecurity), MA
- Global Security, MA
- Political Psychology, MA
- Political Science, MA
- Public Administration - Downtown Phoenix, MPA
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-political-science/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPOSBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Many program graduates have found positions in the following:

- foreign service
- legislative staff organizations
- lobbying and advocacy groups
- local and national media organizations
- local, national and global nonprofit organizations
- multinational corporations
- national, state, and local government agencies
- political consulting
- research institutions
- the courts and judicial administration

In addition, some graduates have gone on to other top-tier graduate and professional schools. These students have found a range of employment opportunities in the fields of:

- communication
- education
- foreign service
- journalism
- law
- political science
- public service

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
spgs-ugadvising@asu.edu  
480-965-8563

## Political Science, BS (LAPOSBS)

**Campus:** Tempe, Online

**Program Description:**

The BS program in political science is useful for students who are looking for careers that require analytical thinking and quantitative skills.

Students study how citizens interact with their governments and how governments at all levels formulate policies to serve, or not serve, their citizens. From domestic elections and lobbying to the international issues of terrorism, diplomacy and empowerment, students can apply what they learn as they explore innovative approaches to today's emerging local, national and global challenges.

The program offers a variety of courses and opportunities to study politics and public policy at the local, national and global levels. By providing experience with the analysis of political statistics, this degree program acquaints students with quantitative application skills. These skills are useful in graduate studies in political science, careers in public policy and other analytical positions in or related to government and politics.

Students currently enrolled in the Bachelor of Science program in political science may not pursue a concurrent degree with the Bachelor of Science in politics and the economy due to the high level of overlap in curriculum. Students should speak with their academic advisor regarding any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Security (Cybersecurity), MA
- Global Security, MA
- Political Psychology, MA
- Political Science, MA
- Public Administration - Downtown Phoenix, MPA
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-political-science/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPOSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Many graduates of this degree program have found positions in:

- foreign service
- legislative or judicial staff organizations
- lobbying and advocacy groups
- local and national media organizations
- local, national and global nonprofit organizations
- multinational corporations
- national, state and local government agencies
- political consulting
- research institutions
- survey research

In addition, some graduates have gone on to other top-tier graduate and professional schools. These students have found a range of employment opportunities in the fields of:

- communication
- data science
- education
- foreign service
- journalism
- law
- political science
- public service

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies  
<https://spgs.asu.edu/>  
COOR 6797  
spgs-ugadvising@asu.edu  
480-965-8563

## Politics and the Economy, BS (LAPECBS)

**Campus:** Tempe

**Program Description:**

The BS program in politics and the economy prepares students for careers that require a sophisticated understanding of the relationship between politics and the economy. This degree is a response to the growing recognition that many of the world's most pressing problems (e.g., growth and development, tax reforms and climate change) are fundamentally political and economic problems. The program combines core courses in economics and political science. Utilizing the strengths of both the ASU Department of Economics and the School of Politics and Global Studies, students graduate with strong quantitative and modeling skills and a rich understanding of political context.

Students currently enrolled in the Bachelor of Science in politics and the economy may not pursue a concurrent degree with the BS in economics from The College of Liberal Arts and Sciences, a Bachelor of Science in economics from the W. P. Carey School of Business, a Bachelor of Science in political sciences or a BA in political science due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Political Science, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

All students are required to meet general university admission requirements.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPECBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

According to external forecasters of employment growth (U.S. Department of Labor and the U.S. News & World Report), job opportunities for graduates of the politics and the economy degree program are expected to grow as fast or faster than the average growth of the labor force. They note that the demand for graduates grounded in economics and political science is driven by the growing complexity of the global economy, the increased implementation of financial regulations in wealthier nations and the growing competitiveness of the business environment.

In terms of specific sectors, graduates are well-prepared for entry positions in government at all levels (local, state and federal), business, economic and political consulting, and law. They are also prepared to pursue advanced degrees in law, business, economics or political science.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Politics and Global Studies  
<https://wpcarey.asu.edu/economics-degrees/undergraduate>  
CPCOM 412  
wpcareyecn@asu.edu  
480-965-3531

## Psychology, BA (LAPGSBA)

**Campus:** Tempe

**Program Description:**

In addition to coursework, the BA in psychology offers students the opportunity to work alongside renowned faculty researching exciting new questions. Students explore the complex answers to many of the mysteries of human and animal behavior, such as how humans manage stress, emotions, conflict and how body image affects our sense of identity. Students are also able to apply their knowledge in internships that help them identify and prepare for interesting careers that involve psychology.

The study of psychology prepares students with support and answers not only for the transition into their work lives, but also for other important life roles. The Department of Psychology is committed to providing continued support and answers to its graduates as they use that foundation of psychology in their own lives as they transition into jobs, careers, marriage and families. Undergraduates in the psychology major have access to a mentorship network of alumni to help mentor and provide support throughout their academic careers.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 119 - Finite Mathematics  
or MAT 170 Pre-Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer Admission Requirements:

Transfer applicants must meet university transfer admission requirements.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPGSBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The Bachelor of Arts in psychology provides students the opportunity to develop a broad range of highly marketable skills, including analytical skills, writing and public speaking skills as well as teamwork and leadership skills.

Graduates are prepared for many careers in a variety of settings that provide opportunities to apply concepts and principles of psychology. They also are prepared for pursuit of graduate degrees in academic or clinical psychology or in such fields as counseling, social work, family therapy and law.

**Contact Information:**

Liberal Arts and Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/content/psychology-0>  
PSY 202  
[psych.advisor@asu.edu](mailto:psych.advisor@asu.edu)  
480-965-7258

## Psychology, BS (LAPGSBS)

**Campus:** Tempe

**Program Description:**

In the BS program in psychology, students discover the ways in which psychology combines with other STEM disciplines in the study of how the brain and behavior impact all aspects of the human experience.

Students acquire basic knowledge of psychology theory and practice. They develop skills in research analysis, critical thinking and the ability to interact effectively with a range of diverse groups across scientific interests and disciplines.

In addition to coursework, they gain hands-on experience by working with renowned world-class faculty researching the brain, mind and behavior. Students can prepare for interesting careers using psychology by working in functioning research laboratories studying the complexities of human and animal behavior.

The Department of Psychology is known for and is committed to providing continued support and answers to its graduates as a foundation for their personal transition into careers, marriage, families and other important life roles. Undergraduates in the psychology major also have access to a mentor network of alumni to help mentor and provide support throughout their academic careers.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics  
or MAT 170 Pre-Calculus

**Program Math Intensity:** Moderate

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

**Transfer Admission Requirements:**

Transfer applicants must meet university transfer admission requirements.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPGSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are well positioned for advanced research and graduate study in psychology, the health sciences, law and other graduate level degrees and programs. The Bachelor of Science degree program also prepares graduates for direct entry into a wide field of career options.

**Contact Information:**

Liberal Arts and Sciences, The College of

Department of Psychology

<https://psychology.asu.edu/content/psychology>

PSY 202

[psych.advisor@asu.edu](mailto:psych.advisor@asu.edu)

480-965-7258

## Psychology (Psychological Science), BS (LAPGSPSBS)

**Campus:** Tempe

**Program Description:**

In addition to coursework, the BS program in psychology with a concentration in psychological science offers students the opportunity to work alongside renowned faculty researching exciting new questions. Students study human and animal behavior, such as how humans manage stress and emotions and how body image affects our sense of identity. They also are able to apply their knowledge through internships that help prepare them for interesting careers that provide opportunities for them to use their knowledge of psychology.

The Department of Psychology expects to provide its graduates with a foundation of psychology that may be applied in their own lives, not only for their transition into jobs and careers, but also in marriages, families and other important aspects of life. Undergraduates in the psychology major also have access to a mentorship network of alumni to help mentor and provide support throughout their academic careers.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 119 - Finite Mathematics

Or MAT 170 Pre-Calculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)



#### Additional Requirements:

The BS in psychology with a concentration in psychological science is open to students who have:

- completed the critical courses for a BS in psychology (ENG 101, ENG 102, MAT 251 or MAT 270, PSY 101, PSY 230, PSY 290) with a "C" or better
- earned at least 45 credit hours
- earned at least an ASU cumulative GPA of 3.00

Students must maintain at least a cumulative GPA of 3.00 from admittance through graduation.

#### Change of Major Requirements:

Students must have completed all critical courses for the BS in psychology (ENG 101, ENG 102, MAT 119 or MAT 170, PSY 101, PSY 230, PSY 290) with a "C" (2.00 on a 4.00 scale) or better, and have earned at least 45 earned credit hours.

Students must maintain a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") from admittance through graduation.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPGSPSBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

The bachelor's degree program in psychology with a concentration in psychological science prepares students who aspire to careers as researchers, teachers or clinicians, or who wish to pursue graduate study. The program is also ideal preparation for professional postgraduate programs in the fields of law and medicine.

#### Contact Information:

Liberal Arts and Sciences, The College of  
Department of Psychology  
<https://psychology.asu.edu/content/psychology-psychological-science>  
PSY 202  
[psych.advisor@asu.edu](mailto:psych.advisor@asu.edu)  
480-965-7258

## Religious Studies, BA (LARELBA)

**Campus:** Tempe, Online

ASU is not currently accepting applications for this program. Interested students should apply to the concentration in religion, culture and public life (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LARELCPBA/undergrad/false>) or the concentration in religion, politics and global affairs (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LARELPGBA/undergrad/false>).

#### Program Description:

Religion is an important part of human experience. Religious understanding informs and shapes politics, literature, philosophy, art and science as well as the daily life of millions around the globe. An understanding of religious traditions is critical to understanding a shared past and present and to navigating toward a shared future.

Students who pursue the BA in religious studies come from a wide diversity of faiths, cultural backgrounds and intellectual interests. What many find fascinating and exciting about religious studies is that it draws from a wide variety of disciplines --- history, philosophy, anthropology, literature, political science and theology, to name a few. Course offerings reflect a diversity of approaches (historical, anthropological, ethical and theological), regions (North America, South America, Europe, Middle East, Africa, South Asia and Southeast Asia) and traditions (Buddhism, Christianity, Hinduism, Islam, Judaism and Native American traditions).

Students study global religious traditions to examine human interaction and explore the root beliefs and values of diverse cultures. This interdisciplinary program combines teachings of history, philosophy, anthropology, literature, political science and theology and helps students develop critical thinking and writing skills.

Students currently enrolled in the Bachelor of Arts in religious studies may not pursue a concurrent degree with the Bachelor of Arts in religious studies with a concentration in religion, politics and global affairs or religious studies with a concentration in religion, culture and public life due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/religious-studies-religion-culture-and-public-life-ba/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARELBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Students interested in careers in local, state, regional and national communities find transdisciplinary encouragement and support in the Bachelor of Arts degree program in religious studies.

Students who are attracted to international study find the undergraduate program rich in multicultural coursework and study abroad opportunities.

Religious studies students find many opportunities for practical experience leading to careers in the academic study of religion, in public service, in governmental and nongovernmental agencies, and in professional careers in a variety of organizations, including all of the helping professions.

Graduates have gone on to careers in such fields as diplomacy, development and teaching or have pursued professional degrees in areas such as law, public policy and counseling.

**Contact Information:**

Liberal Arts and Sciences, The College of

Historical, Philosophical & Religious Studies, Sch

<https://shprs.asu.edu/degree/undergrad/ba-religious-studies>

COOR 3307

SHPRSadvising@asu.edu

480-965-8364

## Religious Studies (Religion, Culture and Public Life), BA (LARELCPBA)

**Campus:** Tempe, Online

Accelerated options for this program are not currently available to ASU Online students.

**Program Description:**

The BA in religious studies with a concentration in religion, culture and public life approaches religion as a mode of human culture, as constituted in intellect, language, emotion, practice, art and everyday life.

The program focuses on the role religions play in the formation of cultural identities, traditions, norms and memories, and it examines in particular the impact religions have on culturally specified ways people reason, communicate, socialize, work, entertain, dress, eat, live and die. Special consideration is given to the influence of religion on gender roles and sexual norms; the formation of images of the body and the moral assessment of medical practices; and the reflection and reproduction of religion in film, popular culture, and conventional, digital and social media.

The concentration addresses present-day interests and prepares students for jobs in a variety of professions, including education, journalism, media studies, gender studies, health care, politics, law, education, migration and international studies.

Students currently enrolled in the Bachelor of Arts in religious studies with a concentration in religion, culture and public life may not pursue a concurrent degree with the Bachelor of Arts in religious studies or the Bachelor of Arts in religious studies with a concentration in religion, politics and global affairs due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y**Second Language Requirement:** Yes**First Required Math Course:** MAT 142 - College Mathematics**Program Math Intensity:** General**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/religious-studies-religion-culture-and-public-life-ba/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARELCPBA-null + &college=CLA>) to outline a list of recommended courses

to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Religious studies majors seek jobs in many professional areas, including:

- chaplaincy
- diversity management
- education
- foreign service
- health care, including mental health and counseling
- journalism
- law
- nonprofit and nongovernmental organizations
- public service and public policy
- publishing

Religious studies is an excellent foundation for graduate and professional studies in:

- anthropology
- gender studies
- health care
- history
- law
- justice studies
- philosophy
- political science
- sociology
- theology

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/undergrad/ba-religion-culture-public-life>  
COOR 3307  
SHPRSadvising@asu.edu  
480-965-8364

## **Religious Studies (Religion, Politics and Global Affairs), BA (LARELPGBA)**

**Campus:** Tempe, Online

Accelerated options for this program are not currently available to ASU Online students.

#### **Program Description:**

The BA program in religious studies with a concentration in religion, politics and global affairs considers how the study of religion expands the understanding of political culture, communal formation, governance, nationalism, statehood and citizenship in both domestic and global contexts.

Students explore the role religion has in shaping political values, social movements, civic organizations and communal norms, with particular attention on how religion impacts issues of health, the environment, migration, peace, conflict, violence and various issues of social justice. Special consideration is given to the religious intersections of nationality, ethnicity, race, gender and other vital facets of human community and identity.

Students currently enrolled in the Bachelor of Arts in religious studies with a concentration in religion, politics and global affairs may not pursue a concurrent degree with the Bachelor of Arts in religious studies or the Bachelor of Arts in religious studies with a concentration in religion, culture and public life due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU ([https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARELPGBA-null + &college=CLA](https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARELPGBA-null+%26college=CLA)) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Religious studies majors seek jobs in many professional areas, including:

- chaplaincy
- diversity management
- education
- foreign service
- health care, including mental health and counseling
- journalism
- law
- nonprofit and nongovernmental organizations
- public service and public policy
- publishing

Religious studies is an excellent foundation for graduate and professional studies in:

- anthropology
- gender studies
- health care
- history
- law
- justice studies
- philosophy
- political science
- sociology
- theology

**Contact Information:**

Liberal Arts and Sciences, The College of  
 Historical, Philosophical & Religious Studies, Sch  
<https://shprs.asu.edu/degree/undergrad/ba-rel-studies-rel-pol-glo>  
 COOR 3307  
 SHPRSadvising@asu.edu  
 480-965-8364

**Russian, BA (LARUSBA)**

**Campus:** Tempe

**Program Description:**

The BA program in Russian offers students a unique opportunity to study the language, literature and culture of Russia. Students in the program gain intermediate to advanced reading, writing, and oral and aural Russian language skills.

The Russian language program also partners with the Melikian Center to offer a transdisciplinary baccalaureate certificate in Russian, Eurasian and East European Studies for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Students of Russian are encouraged to take advantage of an ASU exchange program in Russian language and translation by spending a semester or year in Moscow, St. Petersburg or Kazan. For more information, students should visit <https://mystudyabroad.asu.edu/> (<https://mystudyabroad.asu.edu/>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARUSBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

With Russia as an active player in world affairs on the international stage, knowledge of Russian language and culture a valuable asset for students interested in government, diplomacy and international affairs and commerce.

Knowledge of multiple languages and intercultural competencies enhance any occupation and offers graduates many career opportunities. Career fields and occupations using languages include:

- administration of nongovernmental organizations
- advertising and marketing
- diplomatic and foreign service
- domestic and international business
- foreign correspondent and journalist
- international education and study abroad administration
- international law
- interpreting and translation
- teaching and research
- travel and tourism

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://silc.asu.edu/degrees/undergrad>  
LL 440  
[silcadvising@asu.edu](mailto:silcadvising@asu.edu)  
480-965-6281

## **Sociology, BS (LASOCBS)**

**Campus:** Tempe, Online

#### **Program Description:**

Sociology is the study of social life, social change and the social causes and consequences of human behavior. The BS program in sociology offers courses on contemporary social issues (like crime and population trends), as well as explore social institutions such as family, education, religion and the workplace. Students develop proficiency in written communication, computer skills, statistical analysis and research methodology.

Students currently enrolled in the Bachelor of Science in sociology may not pursue a concurrent degree with the Bachelor of Science in family and human development due to the high level of overlap in curriculum. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-sociology/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASOCBS~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

An undergraduate degree in sociology provides excellent preparation for future graduate work in:

- law
- health-related professions
- social work and counseling
- sociological research

The degree also prepares undergraduates for direct entry into positions in:

- business
- government
- social service

**Contact Information:**

Liberal Arts and Sciences, The College of  
Sanford School of Social and Family Dynamics  
<https://thesanfordschool.asu.edu/>  
SS 144  
advisor@asu.edu  
480-965-6978

## Spanish, BA (LASPABA)

**Campus:** Tempe, Online

**Program Description:**

Students pursuing a BA degree in Spanish have the opportunity to gain reading, speaking and writing proficiency in the language. The Tempe campus program offers two study options: the Spanish linguistics track and the Spanish literature and culture track.

The linguistics track provides an in-depth understanding of the Spanish language while the literature and culture track addresses issues throughout the Spanish-speaking world as seen through the lenses of Spanish language, culture and literature.

A Bachelor of Arts in Spanish is also available for ASU Online students; it combines courses from both the linguistics track and the literature and culture track.

Students are encouraged to contact a school advisor to discuss which option is best for them. Throughout the year, through study abroad and exchange programs, ASU offers opportunities to study in countries in which Spanish is spoken. More information regarding study abroad opportunities is available at <https://mystudyabroad.asu.edu/> (<https://mystudyabroad.asu.edu/>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:



Global Management, MGM  
Language Teaching, MA  
Spanish, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-spanish/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASPABA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- intelligence officer
- international business
- language teacher
- law and immigration professional
- multilingual administrative professional
- professor of language, literature and culture
- translator or interpreter
- travel professional

Career fields in which knowledge of diverse languages and cultures is valuable include:

- advertising, marketing or communications
- airline industry
- film, television or multimedia
- hospitality industry
- hotel and resort management
- intelligence
- international education and study abroad administration
- international law
- military
- ministry

Additional education or certification may be required for some career paths.

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of International Letters and Cultures  
<https://thecollege.asu.edu/degree/undergrad/ba-spanish>  
LL 440  
silcadvising@asu.edu  
480-965-6281

## Technological Leadership, BS (LATECLDRBS)

**Campus:** Tempe, Online

### Program Description:

In ASU's three-year BS degree program in technological leadership, students learn complex problem-solving, critical thinking and leadership through an interdisciplinary blend of classroom learning and hands-on projects. Coursework focuses on individual- and team-based inquiry and design, intensive summer internships and fundamental skills in writing, math and coding.

The heart of this major consists of classes in inquiry and making, taken each semester. In inquiry classes, students use an innovative inquiry process to solve big questions both independently and in teams. Examples of these questions include "What will the moon look like after human settlement?" and "What is the future of cars?" In making classes, students use similar processes with software and lab tools to create physical products that fill urgent material gaps in the world of science and technology.

### Additional Program Fee: Y

### Second Language Requirement: N

**First Required Math Course:** MAT 265 - Calculus for Engineers I  
or MAT 270 Calculus with Analytics Geometry

**Program Math Intensity:** Substantial

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/inquiry-based-learning-degree/>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATECLDRBS-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates with this degree possess the critical thinking, collaborative problem-solving and leadership abilities required for success in fields like technology, business, law, human services and education that focus on solving complicated problems in a variety of disciplines. They are prepared to succeed in an array of endeavors, on direct paths to exciting careers, including in the technology and finance industries, on think tanks and in consulting firms, or in earning an advanced degree before a career in academia.

### Contact Information:

Liberal Arts and Sciences, The College of  
Dean, The College of Liberal Arts and Sciences

<https://thecollege.asu.edu>

ARM 162

[thecollege@asu.edu](mailto:thecollege@asu.edu)

480-965-6506

## Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)

**Campus:** Tempe

### Program Description:

The BA program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latino populations in the United States and the U.S.-Mexico transborder region. Students explore the complexities of the Chicano and Latino experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the media and expressive culture concentration, students focus their study on the cultures of Latino communities. Students learn about the cultural diversity of Chicano, Mexican, Puerto Rican, Cuban, Dominican, Central American and other Latino populations in the United States and their contributions to the arts by analyzing:

- film and the media
- history
- literature (novels, short stories, poetry)
- performance
- visual art

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Concurrent Degrees:

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Journalism and Mass Communication, BA

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- minimum ABOR GPA of 3.75
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have a minimum cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLMBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The media and expressive culture concentration equips students with analytical and communication skills vital to the pursuit of graduate work and various career paths including:

- education (administration and teaching)
- film and media
- law
- local, state and national government agencies
- nonprofit organizations
- public policy and administration
- social work
- the arts

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Transborder Studies  
<https://sts.asu.edu>  
INTDSB 165  
[sts.undergrad@asu.edu](mailto:sts.undergrad@asu.edu)  
480-965-5091

## Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)

**Campus:** Tempe

**Program Description:**

The BA degree program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latino populations in the United States and the U.S.-Mexico transborder region. Students learn to understand the complexities of the Chicano and Latino experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the transborder community development and health concentration, students focus their learning on the health inequalities and issues affecting Mexican-origin, Chicano and Latino communities. Students also develop an understanding of the relationship between the places where people live, play, work and heal and the impact they have on people's health and well-being. Overall, students are able to design, implement and evaluate community-based health programs.

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Journalism and Mass Communication, BA

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- minimum ABOR GPA of 3.75
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have a minimum cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLTBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The transborder community development and health concentration program equips students with theoretical and practical knowledge necessary for graduate work in professional fields such as law and medicine, as well as entry-level positions in:

- education (administration and teaching)
- local, state and national public and private health services
- nonprofit organizations
  - public affairs
  - public health
  - public policy and administration
  - social work

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Transborder Studies  
<https://sts.asu.edu/>  
INTDSB 165  
sts.undergrad@asu.edu  
480-965-5091

## Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)

**Campus:** Tempe

**Program Description:**

The BA degree program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latino populations in the United States and the U.S.-Mexico transborder region. Students explore the complexities of the Chicano and Latino experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the U.S. and Mexican regional immigration policy and economy concentration, students focus their studies on policies and social practices contributing to the growing political and economic influence of Latinos in the U.S. and the U.S.-Mexico region. Students develop an understanding of the role of:

- border enforcement
- demographic change
- economic integration
- globalization
- immigration policy
- international migration
- regional development

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with an integrated major map with the following: Journalism and Mass Communication, BA

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- minimum ABOR GPA of 3.75
- no English competency deficiencies

- 1040 SAT Reasoning or 22 ACT score

**Transfer Admission Requirements:**

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have a minimum cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLUBA-null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The U.S. and Mexican regional immigration policy and economy concentration equips students with skills and knowledge necessary for graduate work in fields such as law, as well as career opportunities in:

- education (administration and teaching)
- local, state and national government agencies
- public affairs
- public policy and administration
- social work and nonprofit organizations

**Contact Information:**

Liberal Arts and Sciences, The College of  
 School of Transborder Studies  
<https://sts.asu.edu/>  
 INTDSB 165  
[sts.undergrad@asu.edu](mailto:sts.undergrad@asu.edu)  
 480-965-5091

## Urban Planning, BSP (ARPUPBSP)

**Campus:** Tempe, Online

**Program Description:**

The urban planning program introduces students to issues faced by urban areas and the tools necessary to address them. Urban planners guide communities in making wise decisions about their use of land and resources.

The BSP program in urban planning provides students with expertise in both the analysis and the synthesis of the physical, social, political and economic issues that shape urban and regional development. Planning encompasses:

- computer and research methods
- environmental impact assessment
- geographic information systems
- housing
- landscape architecture and urban design
- planning and zoning law
- public policy formulation and administration
- transportation
- urban and development economics
- utilities

Students take courses that include:

- comprehensive planning
- computer and analytical methods
- planning law
- public policy formulation and administration
- site planning
- socioeconomic and environmental analyses
- urban design

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-urban-planning/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARPUPBSP~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of urban planning pursue career opportunities with private planning firms and governmental planning agencies, mainly at the city level, but also with county, state and federal entities. Some planners elect to pursue graduate degrees to develop specialty skills and enhance their opportunities for career advancement. The urban planning degree, especially when combined with a focus on geographic information science, gives graduates an advantage in careers that combine urban planning with GIS and in other jobs dealing with urban issues, including:

- comprehensive and long-range planning
- economic development planning
- housing issues
- planning law
- public participation in the planning process
- socioeconomic and environmental analyses
- sustainable planning



- transportation

**Contact Information:**

Liberal Arts and Sciences, The College of  
School of Geographical Sciences and Urban Planning  
<https://sgsup.asu.edu/degree-programs/undergraduate-degrees/urban-planning>  
COOR 5681  
SGSUP.advising@asu.edu  
480-965-7533

## Women and Gender Studies, BA (LAWSTBA)

**Campus:** Tempe, Online

**Program Description:**

Through coursework and scholarly research, students in the BA program in women and gender studies gain critical knowledge and a deeper understanding of feminist theory and practice. Students are offered the opportunity to challenge conventional wisdom about gender and explore new ways of viewing the world through the study of:

- culture
- economics
- film
- history
- literature
- politics
- science

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Science and Technology Policy, MSTP

Women and Gender Studies, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-women-and-gender-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAWSTBA~null + &college=CLA>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The women and gender studies degree program prepares students for many different career opportunities upon graduation. Graduates of the program are also well prepared for graduate and law school and have been admitted to prestigious programs.

Graduates have obtained careers in a wide array of fields, including:

- consulting
- counseling
- education
- government
- health care
- law
- nonprofits
- women's advocacy

#### **Contact Information:**

Liberal Arts and Sciences, The College of  
School of Social Transformation  
<https://sst.asu.edu/women-and-gender-studies>  
NVS1 310AA  
SSTadvising@asu.edu  
480-965-7682

## **Nursing and Health Innovation, Edson College of**

### **Applied Science (Health Entrepreneurship and Innovation), BAS (NUHCIBAS)**

**Campus:** Downtown Phoenix, West, Online

#### **Program Description:**

The BAS program with a concentration in health entrepreneurship and innovation is designed for students with an AAS degree who want to lead transformative change in health through the creation of new products, processes and systems.

Students have the opportunity to examine current evidence-based practice and health care policy through a lens of innovation using an integrated systems perspective, and they hone the skills necessary to be a leader of innovation in a health care context.

Students with health-related backgrounds who would like to learn more about innovation and leadership within health care organizations may be interested in the health entrepreneurship and innovation concentration. Students with an Associate of Applied Science degree in business or a related field may also have interest if they have employment experience in the health industry.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** Any math course with the MA general studies designation will satisfy the math requirement.

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aging, MS

Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Additional Requirements:**

Students must have an Associate of Applied Science from a regionally accredited institution to be eligible for admission to Bachelor of Applied Science programs at Arizona State University.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/health-innovation-bas/>)

**Change of Major Requirements:**

Students with an Associate of Applied Science degree in health, business or a related field are eligible to change their ASU major to this applied science program (health entrepreneurship and innovation).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCIBAS--null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Primary career opportunities include health care administrators and health care managers as well as:

- entrepreneurs
- health architects
- health care administrator
- health care strategists, advisors, project managers and administrators
- health innovation consultant
- health product and service managers
- health system designers
- intrapreneurs --- managers responsible for promoting innovative product development and marketing
- public relations experts in health

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/bas/applied-science-health-entrepreneurship-and-innovation>

HLTHN 113

[asu.hci@asu.edu](mailto:asu.hci@asu.edu)

602-496-0937

## Community Health, BS (NUCHLTBS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The BS program in community health develops leaders who are dedicated to addressing health challenges at their source while also creating partnerships to leverage resources. This program is designed for students who want to create healthy, sustainable communities.

Community health professionals work in partnership to address health needs of diverse populations. Students learn to understand the components of a healthy, sustainable community; advocate for diverse individuals, families and communities; and provide health education, health promotion and service coordination.

Graduates of this program provide health education, health promotion, care coordination, disease management, health care navigation and advocacy services for individuals, families and communities.

This degree program has the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aging, MS

Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-community-health/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUCHLTBS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates may obtain employment as:

- community health managers
- community health outreach specialists
- health care navigators
- health promotion evaluators
- health services administrators

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/bs/community-health>

HLTHN 113

[asu.ch@asu.edu](mailto:asu.ch@asu.edu)

602-496-0937

## Health Care Compliance and Regulations, BS (NUHCCRBS)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The BS in health care compliance and regulations is a full undergraduate degree program dedicated to the training of compliance specialists and the first to be accredited by the Compliance Certification Board&reg;. <https://www.corporatecompliance.org/certification>  
(<https://www.corporatecompliance.org/certification>)

Students are offered the opportunity to learn best practices from a broad array of industry experts (providers, regulatory agencies, government payers, and others) within the medical industry, giving graduates options from which to channel their career in health care compliance.

This program is ideal for anyone interested in the ethical, regulatory and business sides of the health care industry. Program areas of emphasis include:

- industry standards for accreditation and auditing
- data privacy, security, and analysis concepts
- revenue cycles, including current billing and coding procedures
- local and federal compliance policies, laws and regulations

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/health-care-compliance-and-regulations-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCCRBS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates may be employed as:

- compliance analysts or specialists
- compliance leads or trainers for health care operations (revenue, clinical care, research, education)
- health care regulatory affairs analysts or specialists
- HIPAA privacy compliance analysts or specialists
- internal auditors, claims auditors or audit response leads
- Medicare and Medicaid compliance analysts or specialists
- special investigation unit analysts or specialists
- patient safety survey specialists
- regulatory compliance specialists

Career titles and salaries listed below are not necessarily entry level and take into consideration years of experience, geographical locations, and advanced degrees or certifications.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/bs/health-care-compliance-and-regulations>  
HLTHN 113  
asu.hccr@asu.edu  
602-496-0937

**Health Care Coordination, BS (NUHCCOBS)**

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The BS program in health care coordination prepares students to effectively coordinate resources to optimize individual health outcomes.

Through coursework, students build a thorough understanding of health care systems, community and public health, community resources, health education and health advocacy.

The program emphasizes patient advocacy and education, the resources available from community and public health services, and the role of health policy and financing in modern health care.

Graduates of the program are prepared to work with an interdisciplinary team to utilize resources, provide health education and advocate for the patient when it is needed the most.

This degree program uses the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aging, MS

Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-care-coordination/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCCOBS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates of this program provide health care coordination, health advocacy and health education services to individuals and families. Program graduates may obtain employment as:

- care coordinators
- health advocates
- health care coordinators
- health care navigators
- health educators
- health resource managers

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/bs/health-care-coordination>  
HLTHN 113  
[asu.hcc@asu.edu](mailto:asu.hcc@asu.edu)  
602-496-0937

## Health Entrepreneurship and Innovation, BS (NUHCIBS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The BS program in health entrepreneurship and innovation provides students with a broad background in the principles of innovation, leadership, complexity science, change theory, collaboration and evidence-based decision-making to prepare graduates to manage implementation of innovation in the health care arena.

Through the use of evidence-based decision-making and leadership skills in interprofessional teams, students learn to tackle health care challenges using modern technology, public policy and communication. This unique program situates students at the intersection of innovation and entrepreneurship, enabling them to develop their own solutions to health challenges.

Program areas of emphasis:

- develop competence in the design, application and testing of innovative processes and products
- incorporate current trends with interprofessional teams
- lead processes of innovation and transformation

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aging, MS

Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/health-innovation-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCIBS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates may be employed as:

- entrepreneurs
- health architects
- health care administrator
- health care strategists, advisors, project managers and administrators
- health innovation consultant
- health product and service managers
- health system designers
- intrapreneurs --- managers responsible for promoting innovative product development and marketing
- public relations experts in health

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/bs/health-entrepreneurship-innovation>  
HLTHN 113  
[asu.hci@asu.edu](mailto:asu.hci@asu.edu)  
602-496-0937

## **Integrative Health, BS (NUIHLTBS)**

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The BS program in integrative health provides students with a foundation in integrative health, a holistic approach to wellness that focuses on the mind, body and spirit.

Through innovative and interprofessional approaches to serving and supporting diverse populations, students learn to understand and differentiate the ethics, legalities and standards of practice of integrative health and to think critically about different therapies, modalities and practitioners. Coursework and experiences include an emphasis on research and evidence-based practices and gaining an understanding of the historical and cultural foundations of the integrative health field.

This degree program has the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option.



Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Aging, MS

Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-integrative-health/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUIHLTBS~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are qualified for a career as a patient representative for integrative health, which involves assisting patients in obtaining services and in understanding policies, and in making health care decisions regarding integrative health.

Graduates may be employed in hospitals, doctor offices, wellness and fitness centers, as well as holistic centers. Program graduates may obtain employment as:

- health educators
- health services administrators
- health specialists
- office managers
- program managers
- project directors

**Contact Information:**

Nursing and Health Innovation, Edson College of

Edson College of Nursing and Health Innovation

<https://nursingandhealth.asu.edu/programs/bs/integrative-health>

HLTHN 113

[asu.ih@asu.edu](mailto:asu.ih@asu.edu)

602-496-0937

**Nursing, BSN (NUNURDBSN)**

**Campus:** Downtown Phoenix, ASU@Lake Havasu, ASU@The Gila Valley, Online

**Program Description:**

Through a curriculum centered upon evidence-based practice, clinical reasoning, innovation, interprofessional communication and information technology, the BSN degree program prepares students to provide high-quality professional nursing care. The Bachelor of Science in Nursing may be earned through several unique pathways.

The program offered at ASU@Lake Havasu is pending approval by the Arizona Board of Nursing.

#### Traditional Prelicensure BSN Nursing Program

The traditional prelicensure clinical nursing program is a full-time, upper-division nursing program designed for students who wish to become a registered nurse by completing a Bachelor of Science in nursing. The program has three start dates per year --- in spring, summer and fall and it may be completed in a 16-month year-round schedule or a 24-month academic year schedule. Graduates are eligible to sit for the National Council Licensure Examination to gain licensure as a registered nurse.

Students advance into the program in one of two ways: direct admission or the competitive advancement process. Direct admission is offered to incoming first-time freshman who meet specific admission criteria. Students admitted directly must meet continuing eligibility criteria while attending ASU to advance into the upper-division nursing program. Directly admitted nursing students who do not meet continuing eligibility criteria, transfer students or ASU students who are changing majors may apply for advancement to the upper-division nursing program by competing for any remaining spaces. More information can be found at <https://nursingandhealth.asu.edu/programs/bsn/traditional> (<https://nursingandhealth.asu.edu/programs/bsn/traditional>).

The program offered at ASU@Lake Havasu is pending approval by the AZ Board of Nursing.

#### Accelerated BSN Clinical Nursing Program

The accelerated BSN clinical nursing program is a full-time, 12-month upper-division clinical nursing program designed for students who wish to become a registered nurse by completing a BSN. Selection is competitive and students start the program in the spring semester.

Students pursuing advancement to the accelerated BSN clinical nursing program complete prerequisite coursework and apply for advancement to the program. Graduates are eligible to sit for the National Council Licensure Examination to gain licensure as a registered nurse. More information can be found at <https://nursingandhealth.asu.edu/programs/bsn/postbaccalaureate> (<https://nursingandhealth.asu.edu/programs/bsn/postbaccalaureate>).

#### Online RN to BSN Program

The online RN to BSN program is available online to students who have earned an associate degree in nursing and have a current RN license in good standing with the state board of nursing. The RN to BSN program courses are offered online in 7.5-week sessions and can be completed in 14 to 24 months. There are five starts per year: two in the fall, two in the spring and one in the summer. Assignments may include readings, discussions, papers, presentations and practical application activities completed wherever the student resides.

Transfer pathway agreements are in place with all community colleges in Arizona, which provide additional benefits to students. The RN to BSN program does not have approval from the boards of nursing in Tennessee, Rhode Island or Washington to be offered to RNs licensed in those states. More information can be found at <https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nursing-rn-bsn/> (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nursing-rn-bsn/>).

#### Concurrent Enrollment Program

The concurrent enrollment program pathway is available to students enrolling in or already enrolled in any regionally accredited associate degree program in nursing that leads to NCLEX-RN licensure. This program is designed for qualified nursing students who are interested in earning their Bachelor of Science in nursing while simultaneously pursuing their associate degree in nursing. Selected students enroll in the community college program and ASU CEP courses at the same time (concurrently). CEP courses taken at ASU are delivered in an online format. More information can be found at <https://nursingandhealth.asu.edu/programs/bsn/cep> (<https://nursingandhealth.asu.edu/programs/bsn/cep>).

#### Eastern Arizona College Partnership

The ASU and Eastern Arizona College partnership offers a concurrent enrollment program pathway for qualified students pursuing an Associate of Applied Science in nursing from any of the three EAC campuses while simultaneously earning a Bachelor of Science in Nursing from ASU. Courses in this program are delivered in a hybrid format on the Thatcher campus. More information can be found at <https://nursingandhealth.asu.edu/admissions/eastern-arizona-college> (<https://nursingandhealth.asu.edu/admissions/eastern-arizona-college>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Nursing, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

The admission standards for majors in the Edson College of Nursing and Health Innovation are higher than minimum university standards. Effective Fall 2021, freshmen admission requirements are: top 10% of high school graduating class or GPA of 3.50 in ASU competency courses (based on 4.00 grading scale) AND no math or science deficiencies.

OR

top 25% of high school graduating class or GPA of 3.30 in ASU competency courses AND either a 24 ACT or 1170 SAT combined evidence-based reading and writing plus math score.

Freshmen should select an additional major when applying for admission.

English language proficiency for applicants whose native language is not English:

- minimum score of 540 (paper-based), 207 (computer-based), or 76 (internet-based) on the TOEFL
- minimum overall band of 6.5 with no band below 5.5 on the IELTS.

Students not admissible directly to the BSN nursing program are placed into the BS program in community health.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nursing-rn-bsn/>)

**Change of Major Requirements:**

Current ASU students interested in changing to this program need to apply for the upper division clinical nursing program through an advancement application process. Space is limited, and selection is based upon GPA and score earned on the TEAS. Students should speak with an advisor in the College of Nursing and Health Innovation for more information on how to change a major to this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUNURDBSN~null + &college=CNU>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates deliver nursing care to individuals, families and communities. Completion of this degree program also prepares individuals for entrance into graduate study in nursing at the master's or doctoral degree levels, which is essential for teaching, administration, clinical specialization and research.

**Contact Information:**

Nursing and Health Innovation, Edson College of  
Edson College of Nursing and Health Innovation  
<https://nursingandhealth.asu.edu/programs/bs/nursing>

## Public Service and Community Solutions, Watts College of

### Applied Science (Emergency Management), BAS (PPEMGBAS)

**Campus:** Downtown Phoenix

**Program Description:**

The BAS program with a concentration in emergency management is a flexible, 60 credit hour degree program.

The curriculum is designed specifically for students who have earned an AAS; students applying to this program must have completed an Associate of Applied Science from a regionally accredited institution.

The required capstone class provides experience to students through coordinated internships.

This program is not available to freshmen.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available to freshmen.

**Change of Major Requirements:**

A current ASU student must have completed an Associate of Applied Science from a regionally accredited institution to change to this major.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPEMGBAS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The degree in emergency management opens the door to a challenging career as a professional emergency manager. The advancement of technology has created the potential for more devastating disasters than ever before. As a result, there is an increasing demand for emergency managers who have a solid foundation in scientific and technical disciplines as well as management skills.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/emergencymanagement>  
UCENT 400  
spa@asu.edu  
602-496-0450

## Community Advocacy and Social Policy, BA (PPCASPBA)

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The BA program in community advocacy and social policy focuses on advocacy strategies through an in-depth exploration, analysis and comparison of social service systems and policies from an empowerment perspective.

The program's emphasis is on examining the needs of historically under-served individuals, families and communities. Policy analysis and social change are critical themes in developing an advocacy knowledge base as are the equally important themes of prevention and social well-being. Students complete courses in two core areas: diversity and oppressed populations and social issues and interventions.

While the Bachelor of Arts in community advocacy and social policy program is fully accredited regionally under the North Central Regional Higher Education Association, it is not accredited through the Council of Social Work Education because this degree is not a BSW degree. Therefore, the Bachelor of Arts in community advocacy and social policy degree would not fulfill a professional licensing requirement that requires a Bachelor of Social Work degree from a CSWE-accredited Bachelor of Social Work program.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-community-advocacy-and-social-policy/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCASPBA~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are prepared for employment in the social services arena, such as performing basic case management (benefit processing or certification); staffing hotlines or warmlines; referral, recruitment and volunteer coordinator positions; and prevention and education. In addition, advocate positions are part of many organizations and areas, such as hospitals and the behavioral health system. This degree program also prepares students to pursue graduate education.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
[social.work@asu.edu](mailto:social.work@asu.edu)  
602-496-0800

## Community Development, BA (PPCOMDEVBA)

**Campus:** Downtown Phoenix

**Program Description:**

The BA program in community development equips students with tools to collaborate with, empower and educate diverse community constituents by drawing on grassroots and inclusive frameworks such as sustainable development, social and environmental justice, participatory democracy, social and economic equity and social accounting.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** Y

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Resources and Development (Parks and Recreation Management), MS
- Community Resources and Development (Sustainable Communities), MS
- Community Resources and Development (Tourism), MS
- Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCOMDEVBA~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree serves students seeking to enter the workforce immediately upon graduation as well as those wanting to pursue graduate study.

The U.S. Bureau of Labor Statistics indicates that employment for social and community service managers is projected to grow at a 10% rate. Graduates can be expected to pursue employment in community service-oriented careers in the public, private or civil and nonprofit sectors. These may include public relations and fundraising management, social and human service, community recreation, urban and regional planning, social purpose real estate and property development, community health, or serving as community and social service specialists.

In addition to broad employment opportunities, graduates can pursue advanced studies in areas such as nonprofit management, community resources and development, sustainable tourism, social work or public affairs, as well as in criminology and criminal justice.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu/content/degree-programs>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Community Sports Management, BS (PPCSMBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in community sports management focuses on preparing individuals with an interest in managing sport programs and activities for children, youth, adults and seniors in nonprofit, municipal and for-profit organizations.

The program emphasizes the many roles community sports plays within the community including as a mechanism to improve overall quality of life, youth development, sport tourism and community development. Both program delivery and managerial functions are targeted. Specific areas of opportunity include work with youth sports, adaptive sports, sports tourism, sport events and adult recreational sports.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Community Resources and Development (Parks and Recreation Management), MS

Community Resources and Development (Sustainable Communities), MS

Community Resources and Development (Tourism), MS

Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCSMBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Numerous career opportunities exist within community sports. Sport programs for youth and adults are offered by city parks and recreation departments, nonprofit organizations such as the Boys and Girls Club or the YMCA, and local nonprofit and for profit sport clubs. In addition, many communities have sport tourism organizations and sport programs offered through adaptive or therapeutic sports programs such as Special Olympics, Wounded Warriors Project and Ability 360.

Possible positions for graduates of this major include sport supervisors, programmers and managers in local park and recreation departments, nonprofit organizations (e.g., YMCA, Boys and Girls Club), as well as community relations and programming positions with professional and local sport organizations.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
602-496-0550

## Community Sports Management (Events), BS (PPCSMEBS)

**Campus:** Downtown Phoenix

**Program Description:**

The goal of the events concentration within the BS in community sports management degree is to expand students' expertise in the events field and create experts in event planning at the community sports sector.

This concentration allows community sports management majors to focus their electives in a cohesive way, thus providing a solid foundation from which to develop and produce events that contribute to the economic development and social capital stemming from sports, a driving force in Arizona and in the metro Phoenix area, home to a large number of community sport events including large-scale youth sport tournaments.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Resources and Development (Parks and Recreation Management), MS

- Community Resources and Development (Sustainable Communities), MS

- Community Resources and Development (Tourism), MS

- Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**



#### General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

#### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCSMEBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### Career Opportunities:

Students with a background in managing community sports events can find employment with:

- campus recreation departments
- health and fitness clubs
- parks and recreation departments
- morale welfare and recreation departments in the armed forces
- nonprofit organizations
- private sports organizations

#### Contact Information:

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu/content/degree-programs>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Criminology and Criminal Justice, BS (PPCRIMJBS)

**Campus:** Downtown Phoenix, West, ASU@Lake Havasu, ASU@Yuma, Online

#### Program Description:

The BS program in criminology and criminal justice is for students who want to understand the causes of crime, the role of criminal justice agencies in the control of crime and the consequences of crime.

Students learn sociological, psychological, biological and economic explanations for individual crime as well as differences in crime across neighborhoods, states, countries and over time. They also learn about the history, legal issues and current practices of crime control via police agencies, the court system, prisons, probation and parole.

These topics are delivered by top-ranking research faculty who offer students hands-on research opportunities and by experienced criminal justice professionals with intimate knowledge of the daily realities of crime and criminals. Students are encouraged to take advantage of internship opportunities in more than 200 agencies, study abroad programs and flexible course scheduling offered in-person, online and across multiple campuses.

Students interested in completing the Bachelor of Science program in Yuma are encouraged to complete a MyPath2ASU program.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

OR MAT 117 College Algebra

## **Program Math Intensity:** General

### **Accelerated Degree Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Criminal Justice, MA

Criminology and Criminal Justice, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Transfer Admission Requirements:

The MyPath2ASU<sup>®</sup> pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students completing their ASU degree at Yuma: Once the MyPath2ASU<sup>®</sup> pathway requirements are complete, students complete the remaining requirements for the ASU bachelor's degree at the community college.

Students should visit <https://admission.asu.edu/transfer> (<https://admission.asu.edu/transfer>) for more information about ASU degrees offered at local community colleges.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-criminology-and-criminal-justice/>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCRIMJBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

Graduates of the criminology and criminal justice program find a strong job market in the public and private sectors. Employment opportunities exist in:

- bank fraud
- corrections
- courts
- domestic terrorism
- federal agencies
- homeland security
- law enforcement
- legal offices

- parole offices
- private security
- probation offices
- victim advocate agencies

Graduates also may pursue advanced degrees in law, criminology and criminal justice, and other social science disciplines.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
 School of Criminology and Criminal Justice  
<https://ccj.asu.edu/>  
 UCENT 600  
 SCCJAdvising@asu.edu  
 602-496-2356

## Criminology and Criminal Justice (Policing), BS (PPCRJPOLBS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:**

The concentration in policing in the BS program in criminology and criminal justice provides students with knowledge on policing strategies, police management, police accountability, crime analysis and procedural criminal law. Students completing the concentration have a better understanding of how police organizations operate and are led; effective strategies for reducing crime, building trust and increasing accountability; improving police-citizen community relations (especially in communities of color); how the Constitution protects the rights of individuals in interactions with law enforcement; and techniques for analysis and mapping of crime and other police data.

After finishing the concentration in policing, students are better prepared for future employment in law enforcement and to contribute to the future of policing in the United States.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

Or MAT 117 College Algebra

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/criminology-policing-degree/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCRJPOLBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities for graduates of the policing program include work at the local level in sworn positions in police departments and sheriff's offices; the state level in trooper and investigator roles in state agencies; and the federal level in agent and officer positions in federal law enforcement agencies. Outside of police officer jobs, career opportunities also include work in crime and intelligence analysis and private security.

Graduates of the criminology and criminal justice program with a concentration in policing can also continue to graduate studies in criminology, related fields or law school.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
Watts College of Public Service & Community Solut  
<https://ccj.asu.edu/>  
UCENT 600  
SCCJadvising@asu.edu  
602-496-2356

## Nonprofit Leadership and Management, BS (PPNLMBS)

**Campus:** Downtown Phoenix

**Program Description:**

Through the BS degree program in nonprofit leadership and management, students are empowered to become successful professionals who work to advance the quality of life in communities.

The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public, business and commerce sectors. With more than 1.6 million organizations in the U.S., the sector employs more people than the finance, insurance and real estate industries combined. Philanthropy (voluntary action for the public good) is a hallmark of the nonprofit sector as individuals give their time, money and know-how to causes about which they care.

Students in the nonprofit leadership and management program learn about the nonprofit sector through curriculum instruction and field experience. The required internship component of the program leads students to professional opportunities within the nonprofit sector. Within the undergraduate degree requirements, students also may choose to pursue the National Certified Nonprofit Professional credential through ASU's affiliation with the Nonprofit Leadership Alliance: <https://www.nonprofitleadershipalliance.org/credential/> (<https://www.nonprofitleadershipalliance.org/credential/>).

This program is accredited by the Nonprofit Academic Centers Council.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Community Resources and Development (Nonprofits and NGOs), MS

Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPNLMBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Depending on their interests, graduates seek work in diverse settings that include a wide variety of missions, including arts and culture, environmental, health, and youth development. Some graduates find employment with local, grassroots, direct-service nonprofits while others find work with grant-making foundations. Many work in affiliates of well-known national organizations such as:

- American Red Cross
- America's Second Harvest
- Humane Society of the United States
- March of Dimes
- National Urban League
- United Way
- youth-serving entities such as Big Brothers Big Sisters, Boys and Girls Clubs, Boy Scouts of America, Girl Scouts of the USA, Camp Fire USA and the YMCA of the USA

Increasing opportunities in the nonprofit sector include careers across the spectrum of community issues such as the arts, environment, health care and others. Typical positions include roles as:

- field executives
- fund development directors
- program directors
- program officers for grant-making organizations
- volunteer program managers

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu>  
UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
602-496-0550

## Nonprofit Leadership and Management (American Indian Studies), BS (PPNLMAIBS)

**Campus:** Downtown Phoenix

**Program Description:**

Complementary to the nation's first BS degree in nonprofit leadership and management, the American Indian studies concentration empowers purpose-driven students to be culturally aware, competent, and ready for key roles that enable them to advance nonprofits that serve tribal lands, including those organized by tribal governments.

The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public, business and commerce sectors. Students learn about the nonprofit sector through curriculum instruction and field experience. The concentration in American Indian studies familiarizes students with American Indian worldviews, current issues and tribal governance. Many students in the nonprofit sector work with American Indian populations.

The required internship component of the program leads students to professional opportunities within the nonprofit sector. Students also may choose to pursue the National Certified Nonprofit Professional credential through ASU's affiliation with the Nonprofit Leadership Alliance: <https://www.nonprofitleadershipalliance.org/credential> (<https://www.nonprofitleadershipalliance.org/credential>).

This program is accredited by the Nonprofit Academic Centers Council.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Community Resources and Development (Nonprofits and NGOs), MS

Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPNLMAIBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Most of the major nonprofit organizations in Arizona and other states work with American Indian populations providing services and expertise. Thus, career options are extensive and include many of the nonprofit organizations in the state and beyond. Careers fields may include fundraising, social services provision, volunteer management, and youth programming.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## **Parks and Recreation Management, BS (PPPRMBS)**

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in parks and recreation management provides a transdisciplinary education in the management of parks, protected areas, community-based recreation services and special event management. The parks and recreation field emerged from the youth development,

recreation and park movements of the late 19th century.

Students learn through classroom instruction and field experiences to integrate the managerial, natural and social sciences to make informed decisions for recreation services, both community-based and natural resources-based. Topics include: wilderness, environmental communication, history, inclusive services, management, parks and recreation policy, assessment and evaluation, planning and programming.

The required internship component of the program allows students to gain practical experience in the parks and recreation professions.

The Council on Accreditation of Parks, Recreation, Tourism and Related Professions accredits this degree program.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Community Resources and Development (Parks and Recreation Management), MS

Community Resources and Development (Sustainable Communities), MS

Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPRMBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This degree program prepares students for professional positions in a variety of public, private and nonprofit organizations. Graduates are employed in a variety of settings in Arizona, nationally and abroad. Graduates find employment in such diverse settings as:

- armed forces recreation
- city park and recreation departments
- county and state park agencies
- federal natural resource agencies
- hospitals and care facilities
- nonprofit recreation programs

- private and commercial recreation facilities
- special event management
- sport venues, theme parks
- youth agencies

In such settings, graduates design, develop and manage services that address the recreational needs of a particular clientele.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
 School of Community Resources and Development  
<https://scrd.asu.edu>  
 UCENT 550  
[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)  
 602-496-0550

**Parks and Recreation Management (Therapeutic Recreation), BS (PPRMTRBS)**

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in parks and recreation management with a concentration in therapeutic recreation prepares students to apply for eligibility to take the national professional certification in through the National Council for Therapeutic Recreation Certification: <https://www.nctrc.org> (<https://www.nctrc.org>).

The degree program prepares competent, entry-level recreational therapists with the requisite knowledge, skills and abilities to improve functional outcomes and increase participation in life activities with individuals experiencing health conditions. It is designed for students who want to learn to conduct assessments, develop service plans, implement therapeutic interventions, evaluate and document outcomes of care. They gain skills to effectively provide comprehensive therapeutic recreation services that include program design and evaluation, individual and group service provision, and advocacy. The required fieldwork component of the program facilitates the development of competencies needed to provide quality recreational therapy services.

Students who choose this degree program are truly committed to improving people's lives and contributing to their communities. This degree program is one of two such programs in Arizona, both offered by the School of Community Resources and Development. This program prepares students to provide recreational therapy services in community settings such as youth programs, adaptive sports, or parks and recreation while the Bachelor of Science in recreational therapy has a heavier emphasis on healthcare settings such as hospitals and human service agencies.

The Council on Accreditation of Parks, Recreation, Tourism and Related Professions accredits this degree program.

ASU offers programs that lead to certification or licensure that may allow graduates to be eligible for certification or licensure in other states. Students should review the professional licensure list for Watts College to determine if this program meets requirements in their state: <https://asuonline.asu.edu/about-us/licensure/> (<https://asuonline.asu.edu/about-us/licensure/>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Resources and Development (Parks and Recreation Management), MS
- Community Resources and Development (Sustainable Communities), MS
- Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**



**General University Admission Requirements:**

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPRMTRBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a wide range of job opportunities for therapeutic recreation professionals including in clinical settings, such as hospitals and nursing homes, adventure programming for youth-at-risk and people with disabilities, and community programs offered through parks and recreation departments

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu/content/therapeutic-recreation>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Public Service and Public Policy, BS (PPPAFBS)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The BS program in public service and public policy prepares students for work in government at all levels and in nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Students discover the challenges of management and learn how to lead a public organization and understand the process of policy development. This program examines the public sector and addresses, in a practical way, the challenges facing the public. The program is unique because it enables students to study public service, policy and administration with a professional focus.

Students select one of the following concentrations areas to supplement their core courses, including; American Indian studies, business, criminology, emergency management, health policy, law and policy, nonprofit leadership and management, parks and recreation management, public leadership and management, science and technology, social services delivery, sustainability, or urban and metropolitan studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Administration (Emergency Management), MPA
- Public Administration (Nonprofit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy (Urban Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-public-service-and-public-policy/>)

#### **Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

This degree program provides students with the knowledge and skills to transform government and policy at all levels.

The public service sector offers sustainable, exciting and fulfilling career options. Upon graduation, students are empowered to use knowledge of the public sector as a catalyst to change the world. By understanding the challenges facing government and being well-versed in the development of multiple, useful and realistic solutions, graduates contribute to the development of local, national and global communities.

The bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
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<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## **Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)**

**Campus:** Downtown Phoenix

**Program Description:**

The American Indian studies concentration within the BS program in public service and public policy provides students with specialized knowledge about the policy implications of American Indian-related decisions and actions. This concentration will focus on the latest policy implications and research impacting Indigenous communities across the United States, including Alaska and Hawaii.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management, MGM
- Public Administration (Emergency Management), MPA
- Public Administration (Nonprofit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFAISBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though students would function successfully in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion.

**Contact Information:**

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602-496-0450

## Public Service and Public Policy (Business), BS (PPAFBUBS)

**Campus:** Downtown Phoenix

### Program Description:

The School of Public Affairs offers a concentration in business as part of the BS in public service and public policy.

This concentration establishes a core business curriculum while allowing students the flexibility to pursue their passion, from entrepreneurial opportunities to working for a Fortune 500 company. Coursework teaches lasting business concepts.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Public Administration (Emergency Management), MPA

Public Administration (Nonprofit Administration), MPA

Public Administration (Public Finance), MPA

Public Administration (Urban Management), MPA

Public Administration - Downtown Phoenix, MPA

Public Policy (Environmental Policy), MPP

Public Policy (Science and Technology Policy), MPP

Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A minimum cumulative GPA of 2.00 (scale is 4.00 = "A") is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPAFBUBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The business concentration prepares students with an interest in policy to focus on business issues and their policy implications.

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## Public Service and Public Policy (Criminology), BS (PPPAFCBS)

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a concentration in criminology as part of the BS in public service and public policy.

Criminology continues to be a highly sought-after area and it presents broad policy implications for future public sector professionals. This program introduces students to the fundamental foundations in criminal justice and criminology by preparing them to think critically, contribute to society and enhance public safety.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management, MGM
- Public Administration (Emergency Management), MPA
- Public Administration (Nonprofit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFCBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire will allow them to successfully function in many types of organizations, though the primary focus is on public organizations.

A bachelor's degree in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The criminology concentration provides students with more specialized knowledge about the policy implications of criminology-related decisions and actions.

**Contact Information:**

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602-496-0450

## Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)

**Campus:** Downtown Phoenix, Online

**Program Description:**

The School of Public Affairs offers a concentration in emergency management and homeland security as part of the BS in public service and public policy.

This concentration program provides students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management and homeland security. Concepts of public policy and management are blended with emergency management principles to enhance and foster critical thinking within the general field of study. More specifically, the program's focus provides the student with a comprehensive perspective, which is critically important for emerging leaders in disaster management.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Emergency Management and Homeland Security (Biosecurity and Threat Management), MA
- Emergency Management and Homeland Security (Community Resilience), MA
- Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA
- Emergency Management and Homeland Security (Emergency Management), MA

Emergency Management and Homeland Security (Homeland Security), MA  
Emergency Management and Homeland Security, MA  
Public Administration (Emergency Management), MPA  
Public Administration (Nonprofit Administration), MPA  
Public Administration (Public Finance), MPA  
Public Administration - Downtown Phoenix, MPA  
Public Policy (Environmental Policy), MPP  
Public Policy (Policy Informatics), MPP  
Public Policy (Science and Technology Policy), MPP  
Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-public-service-and-public-policy-emergency/>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 (scale is 4.00 = "A") is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFEHBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration.

Retiring baby boomers, along with increasing demand for public services, has resulted in an increase in job opportunities for graduates in the public sector. The federal government is the nation's largest employer with nearly two million people employed across the country, and nearly 85% of those jobs exist outside the Washington, D.C. area. The federal government is anticipated to hire tens of thousands of new employees for mission-critical positions in the next few years. Students with preparation in academic areas related to public service will have an advantage in that market.

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602-496-0450

**Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)**

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a concentration in health policy as part of the BS program in public service and public policy. This program allows students to build a course of study that focuses on the health care industry. This sector continues to be a major part of the U.S. and world economy.

The concentration in health policy provides students who have an interest in policy to focus on health-related issues and their policy implications. The courses in the concentration are offered by the College of Health Solutions and the School of Human Evolution and Social Change.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management, MGM
- Public Administration (Emergency Management), MPA
- Public Administration (Nonprofit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 (scale is 4.00 = "A") is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFHPBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would function successfully in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion.

The health policy concentration provides students with more specialized knowledge about the policy implication of health-related decisions and actions.



**Contact Information:**

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602-496-0450

## Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS)

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a concentration in law and policy as part of the BS in public service and public policy.

Through this concentration, students who have an interest in public policy focus on legal issues and the policy implications, broadening their educational experience while concentrating in an area that is in high demand.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management, MGM
- Public Administration (Emergency Management), MPA
- Public Administration (Nonprofit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFLPBS-null + &college=CPP>) to outline a list of recommended courses

to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily designed for individuals who work in the public sector or are interested in doing so. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however the primary focus is on public organizations.

This program prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration.

**Contact Information:**

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## Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a BS in public service and public policy with a concentration in nonprofit leadership and management.

The role of nonprofit organizations continues to grow and presents broad policy implications for future public sector professionals. This program empowers students to understand the unique aspect of the social, political, economic and philanthropic factors related to the nonprofit sector.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management, MGM
- Public Administration (Emergency Management), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPANLMBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The nonprofit leadership and management concentration provides students with more specialized knowledge about the policy implications of the nonprofit sector.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
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## Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a BS in public service and public policy with a concentration in parks and recreation management.

Leisure and quality of life are an essential part of U.S. society. This program provides students a transdisciplinary education in the management of parks, protected areas and community-based recreation services.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Global Management, MGM

Public Administration (Emergency Management), MPA

Public Administration (Nonprofit Administration), MPA  
Public Administration (Public Finance), MPA  
Public Administration (Urban Management), MPA  
Public Administration - Downtown Phoenix, MPA  
Public Policy (Environmental Policy), MPP  
Public Policy (Policy Informatics), MPP  
Public Policy (Science and Technology Policy), MPP  
Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAPRMBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the emphasis is on public organizations.

A bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The parks and recreation management concentration provides students with more specialized knowledge about the policy implication of the development and management of leisure in modern life.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)

**Campus:** Downtown Phoenix

**Program Description:**

The School of Public Affairs offers a concentration in science and technology policy as part of the BS in public service and public policy. The program prepares students to tackle many of today's most important challenges: climate change, energy, information privacy, public health and global development.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus

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all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management, MGM
- Public Administration (Emergency Management), MPA
- Public Administration (Nonprofit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required to change into this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFSTBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is focused primarily on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion.

The science and technology policy concentration provides students with more specialized knowledge about the policy implication of science and technology-related decisions and actions.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Public Affairs

<https://spa.asu.edu/pspp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS)

**Campus:** Downtown Phoenix

### Program Description:

Social services delivery is a fundamental building block of government affairs. Through this concentration, students explore the foundation and practices of social services and how social services can be designed, delivered and evaluated at local, state and federal levels.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Public Administration (Emergency Management), MPA
- Public Administration (Nonprofit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A minimum cumulative GPA of 2.00 is required for current ASU students to change into this major.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFSSBS-null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The BS program in public service and public policy is focused primarily on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well.

For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for

future graduate study in law, public policy and public administration.

Retiring baby boomers and an increasing demand for public services have resulted in an increase in job opportunities for graduates in the public sector. The federal government is the nation's largest employer with nearly two million people employed across the country and nearly 85% of those jobs exist outside the Washington, D.C. area. The federal government is anticipated to hire tens of thousands of new employees for mission-critical positions in the next few years. Students with preparation in academic areas related to public service and social services delivery will have an advantage in that market.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/pspp>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Public Service and Public Policy (Sustainability), BS (PPPAFSBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in public service and public policy prepares students for work in government at all levels and nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Sustainability continues to be a highly sought-after area and it presents broad policy implications. Through this concentration, students explore the challenges of sustainability and how it may be used to develop solutions to pressing issues at local and global levels.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Global Management, MGM
- Public Administration (Emergency Management), MPA
- Public Administration (Nonprofit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration - Downtown Phoenix, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A minimum cumulative GPA of 2.00 is required for current ASU students to change into this major.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFSBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program is primarily for individuals working or seeking work in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations, though the principal focus is on public organizations.

This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The sustainability concentration provides students with more specialized knowledge about the policy implication of sustainability-related decisions and action.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs

<https://spa.asu.edu/pspp>

UCENT 400

[spa@asu.edu](mailto:spa@asu.edu)

602-496-0450

## Recreation Therapy, BS (PPRECTBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS program in recreational therapy prepares students to apply for eligibility to take the national professional certification through the National Council for Therapeutic Recreation Certification: <https://nctrc.org/about-certification/ctrs-the-qualified-provider> (<https://nctrc.org/about-certification/ctrs-the-qualified-provider/>).

The program prepares competent, entry-level recreational therapists with the requisite knowledge, skills and abilities needed to improve functional outcomes and increase participation in life activities for individuals experiencing health conditions. It is designed for students who want to learn to conduct assessments, develop service plans, implement therapeutic interventions, and evaluate and document outcomes of care. They gain skills to effectively provide comprehensive therapeutic recreation services that include program design and evaluation, individual and group service provision, and advocacy. The required fieldwork component of the program facilitates the development of competencies to provide quality recreational therapy services.

Students who choose this degree program are committed to improving people's lives and contributing to their communities. This degree program is one of two such programs in Arizona, both offered by the School of Community Resources and Development. This program has a heavier emphasis on healthcare settings such as hospitals and human service agencies while the Bachelor of Science in parks and recreation with a concentration in therapeutic recreation prepares students to provide recreational therapy services in community settings such as youth programs, adaptive sports, or parks and recreation.

ASU offers programs that lead to certification or licensure that may allow graduates to be eligible for certification or licensure in other states. Students should check the professional licensure (<https://asuonline.asu.edu/about-us/licensure> (<https://asuonline.asu.edu/about-us/licensure/>)) list for Watts College to determine if this program meets requirements in their state.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).



**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPRECTBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Recreation therapy is a rapidly growing field, given the rising number of returning veterans and an aging population. Graduates are prepared for work in a wide variety of clinical settings, including hospitals, rehabilitation centers and extended care facilities. Graduates also are qualified to work in community settings such as parks and recreation departments.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu/content/therapeutic-recreation>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Social Work, BSW (PPSWUSWU)

**Campus:** Downtown Phoenix, West, ASU@Tucson

**Program Description:**

Social work practitioners are committed to the enhancement of individual, family and group problem-solving capacities and the creation of a more nurturing, just and humane social environment.

The undergraduate curriculum leads to a BSW. Juniors and seniors majoring in social work focus on social work courses in social policy and services, human behavior in the social environment, social work practice, research and field instruction in community agencies. In addition, majors take elective courses in related areas.

Students interested in completing the Bachelor of Social Work program in Tucson are encouraged to complete a MyPath2ASU program. The Tucson location option is only available to transfer students. For admission requirements, students should see <https://socialwork.asu.edu/programs/bsw/social-work> (<https://socialwork.asu.edu/programs/bsw/social-work>).

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Transfer Admission Requirements:

The MyPath2ASU™ pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students should visit <https://admission.asu.edu/transfer> (<https://admission.asu.edu/transfer>) for more information about ASU degrees offered at local community colleges.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPSWUSWU~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The program prepares students to be generalist social work practitioners, focusing on advocacy, referrals, case management and problem-solving functions with individuals, groups, families, organizations and the community.

Employment in social work is expected to increase commensurately with the needs of a growing and diverse population.

Social workers are employed in public and private agencies dealing with a wide variety of social issues, including:

- adoption and teen pregnancy
- aging
- child abuse and foster care
- corrections and delinquency
- disability
- discrimination
- domestic violence and family dysfunction
- health and mental health
- homelessness and poverty
- substance abuse

Social work skills such as problem-solving, resource utilization, counseling, group work and community organization are also useful for positions with industry in employee relations and mediation.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Social Work  
<https://socialwork.asu.edu>  
UCENT 800  
[social.work@asu.edu](mailto:social.work@asu.edu)  
602-496-0800

## Tourism Development and Management, BS (PPTDMBS)

**Campus:** Downtown Phoenix

### Program Description:

Through the BS program in tourism development and management, students acquire the planning and management skills related to the growth and development of tourism throughout the world. The curriculum prepares students for employment across a wide variety of occupations in the rapidly expanding travel and tourism industry while taking full advantage of its strong connections with the professional tourism community in Phoenix.

The required internship component of the program allows students to gain practical experiences leading to professional positions in various travel, tourism and related fields. Exposure to the practices of heritage tourism, sustainable tourism, resort management, and meeting and convention planning prepares students for successful careers in the travel and tourism industry. While pursuing the bachelor's degree in tourism development and management, a student may also choose to complete a certificate in convention sales and meeting planning. Additionally, students have the opportunity to participate in a study abroad program

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Accelerated Degree Options:

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Resources and Development (Sustainable Communities), MS
- Community Resources and Development (Tourism), MS
- Community Resources and Development, MS
- Sustainable Tourism, MAS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about

these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The travel and tourism industry is the largest employer in the world and the second largest in Arizona. Based upon interests, graduates can seek work in the public, nonprofit or private and commercial sectors. Graduates find employment in such diverse settings as resorts, meeting planning, convention and visitor bureaus, tour operations and commercial recreation businesses. In such settings, graduates design, develop and manage services that address the needs of a particular clientele. The metropolitan Phoenix area is a major hub of tourism in the southwestern U.S. and has experienced rapid growth in:

- air transportation
- business and corporate travel
- gaming and casinos
- meetings and conventions
- resorts and hotels
- sports tourism
- state and national parks

#### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## **Tourism Development and Management (Meetings and Events), BS (PPTDMMEBS)**

**Campus:** Downtown Phoenix

#### **Program Description:**

The concentration in meetings and events allows students enrolled in the BS program in tourism development and management to focus their electives on courses that cover meetings and events planning topics. The concentration draws from both the special events program and the meeting management program, and prepares students to be competitive in the events sector.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

#### **Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Community Resources and Development (Sustainable Communities), MS

Community Resources and Development (Tourism), MS

Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMMEBEBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Tourism-related meetings and events are significant contributors to the Arizona economy as well as to other states. Graduates are prepared to enter meeting and event-related careers in resorts and hotels, convention and visitor bureaus, private event companies, destination management companies, parks and recreation departments, public relations and nonprofit fundraising.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development  
<https://scrd.asu.edu/content/degree-programs>  
UCENT 550  
scrdadvising@asu.edu  
602-496-0550

## Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS)

**Campus:** Downtown Phoenix

**Program Description:**

The BS in tourism development and management with a concentration in resort and hotel leadership attracts students and professionals who have interests in the diverse areas of knowledge needed within the accommodations sector, knowledge such as:

- ecological, social, economic and cultural sustainability practices in the industry
- hospitality management and leadership
- meeting the expectations of hotel and resort guests
- the interrelated functions within departments of the lodging, food and beverage industries and other stakeholders such as recreation organizations and heritage institutions.

The concentration program in resort and accommodations leadership provides students an academic option to study in depth the resort and accommodations system and gain knowledge of the importance of the business relationships between suppliers, intermediaries and vendors, guests, and the public and private sectors. It also prepares students to serve their communities by developing the skills, knowledge, techniques and capabilities needed for addressing major issues related to resorts and other tourism accommodations.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Resources and Development (Sustainable Communities), MS
- Community Resources and Development (Tourism), MS
- Community Resources and Development, MS

## Sustainable Tourism, MAS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMRBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

There are a variety of job opportunities for resort or hotel professionals, ranging from entry-level as a management trainee to an assistant manager or manager in various departments, such as:

- catering and banquet
- convention sales
- front desk
- guest services
- rooms division
- sales and marketing

### Contact Information:

Public Service and Community Solutions, Watts College of  
School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)

**Campus:** Downtown Phoenix

### Program Description:

The BS program in tourism development and management provides students with the theoretical understanding necessary to maneuver the complexities of one of the world's largest industries. A concentration in sustainable tourism allows students to hone their understanding of the key concepts of resilience and sustainability and of how these concepts can be applied to tourism destinations and development.

Students learn the dominant theories and language that make up sustainability science and the skills necessary to measure, create and implement sustainability policies in tourism destinations, from the planning to management stages of development.

Students take courses offered by the School of Sustainability in addition to courses in the School of Community Resources and Development, guaranteeing a strong foundation in the basic theories of the growing field of sustainability while applying these newfound skills to tourism development and management.

Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

- Community Resources and Development (Sustainable Communities), MS
- Community Resources and Development (Tourism), MS
- Community Resources and Development, MS
- Sustainable Tourism, MAS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMSBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Sustainable tourism is becoming increasingly important, and many tourism businesses are hiring sustainability coordinators. These businesses include hotels, airlines, museums, convention and visitor bureaus, and large attractions. Travel agents and tour companies, such as those that implement ecotourism and volunteer tourism experiences, are especially interested in employees with a strong sustainable tourism background. Numerous sustainable tourism nonprofit organizations have emerged in recent years, and many government-related tourism organizations also hire those with a strong sustainability focus. Consulting opportunities are available to assist tourism businesses in developing sustainable practices as well.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550

## Tourism and Recreation Management, BS (PPTRMBS)

**Campus:** ASU@Lake Havasu, Online

**Program Description:**

This program is appropriate for students starting as freshmen as well as for transfer students.

Through the BS program in tourism and recreation management, students acquire the planning and management skills needed to work in the growing tourism and recreation industries throughout the world.

Selecting one of four emphasis areas: tourism, recreation, events or sports, the curriculum prepares students for employment across a wide variety of occupations. These areas of emphasis allow program graduates to contribute to community economic and social development and to positively influence quality of life both domestically and abroad.

Graduates are able to gain professional positions in various travel, tourism, recreation, sports and related fields.

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/tourism-and-recreation-management-bs/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTRMBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Travel and tourism is the largest industry and employer in the world. Along with recreation, sports and other leisure-oriented enterprises, there is significant employment potential for graduates, with opportunities in most communities or regions.

Based upon interests, graduates can seek work in the public, nonprofit, or private and commercial sectors. Graduates find employment in such diverse organizations as resorts and hotels, convention and visitor bureaus, and in areas such as business and corporate travel, transportation, tour operations, event and meeting planning and management, and attractions management. Opportunities are also found with city and state parks and recreation departments; youth, recreation and sports-oriented nonprofits; sports and recreation program planning and management; sports events and tourism; and many others.

In such settings, graduates plan, design, develop and manage services that address the needs of a particular clientele.

**Contact Information:**

Public Service and Community Solutions, Watts College of

School of Community Resources and Development

<https://scrd.asu.edu>

UCENT 550

[scrdadvising@asu.edu](mailto:scrdadvising@asu.edu)

602-496-0550



## Urban and Metropolitan Studies, BA (PPURBBA)

**Campus:** Downtown Phoenix

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

### **Program Description:**

Located in the heart of downtown Phoenix, the BA program in urban and metropolitan studies is for students who have a yearning to study and understand urban theory in order to effectively address the challenges of rapid growth along with other contemporary urban issues.

Students discover what makes the city tick --- and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory, and they use that knowledge to get involved in their communities. This gives them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. The students are invested in their neighborhoods. Many of them live and work downtown and they learn how to improve urban health and well-being, often training themselves to be the future leaders of urban environments. Others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### **Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPURBBA~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

The urban and metropolitan studies program prepares students for work in a wide range of fields. The transdisciplinary approach of the program allows graduates to successfully enter fields as diverse as urban management, revitalization, community development, urban sustainability and urban planning.

There are many careers and advanced degrees that may be pursued with a bachelor's degree in urban and metropolitan studies. Some of these careers require additional graduate-level studies and professional experience. Students in the program are advised to explore their options with academic and career advisors to prepare an appropriate program of study and plan to participate in an internship that complements their long-term professional goals.

### **Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/ums>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Urban and Metropolitan Studies, BS (PPURBBS)

**Campus:** Downtown Phoenix

### Program Description:

Located in the heart of downtown Phoenix, the BS program in urban and metropolitan studies is for students who have a yearning to study and understand urban theory in order to effectively address the challenges of rapid growth along with other contemporary urban issues.

Students in this program discover what makes the city tick --- and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory, and they use that knowledge to get involved in their communities. This gives them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. The students are invested in their neighborhoods. Many of them live and work downtown, and they learn how to improve urban health and well-being, often training themselves to be the future leaders of urban environments. Others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, and revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (<https://admission.asu.edu/wue>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPURBBS~null + &college=CPP>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

The transdisciplinary approach of the urban and metropolitan studies program ensures its graduates are prepared for work in a wide range of fields. Graduates successfully enter fields as diverse as urban management, revitalization, community development, urban sustainability and urban planning.

Some careers require additional graduate-level studies and professional experience. Students in the program are advised to explore their options with academic and career advisors to prepare an appropriate program of study and a plan to participate in an internship that complements their long-term professional goals.

**Contact Information:**

Public Service and Community Solutions, Watts College of  
School of Public Affairs  
<https://spa.asu.edu/ums>  
UCENT 400  
[spa@asu.edu](mailto:spa@asu.edu)  
602-496-0450

## Teachers College, Mary Lou Fulton

### Applied Science (Early Childhood Studies), BAS (TEAPSECBAS)

**Campus:** Online

**Program Description:**

The BAS degree program with a concentration in early childhood studies is intended for students working or volunteering in early childhood settings, focusing on birth through age five, who do not need initial teacher certification issued through a state department of education. The program prepares students with knowledge and skills in child development (social, emotional, cognitive and physical), setting and selecting developmentally appropriate learning goals and sequences, instructional strategies and supports, highly individualized instruction, classroom management, advocacy and leadership, and family resources and supports. As the degree program is designed for students working in a variety of early childhood settings while pursuing the program, experiential learning opportunities are integrated throughout the coursework.

This transfer-only program is for students who already hold an AAS degree in early childhood education or a closely related field. Individuals who don't meet this requirement may consider the BAE in educational studies with a concentration in early childhood education program, which has a parallel curriculum.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

This program is not available to first-year students.

Transfer Admission Requirements:

Students applying to this program must have completed an AAS degree from a regionally accredited institution AND be employed in an early childhood setting (e.g., Head Start, child development center, daycare or childcare center, private or public preschools, home-based child care) in order to successfully participate and complete coursework.

Students with an Associate of Applied Science degree, which consists of courses in specialized occupational areas built upon a general education core, will receive 60 hours of credit through a block transfer to the university. The block transfer applies only to the Bachelor of Applied Science degree program. Students may receive up to 15 more credit hours for additional coursework completed at the community college or university that, through transcript evaluation, is determined to match a course in the degree program major map.

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/early-childhood-applied-science/>)

**Change of Major Requirements:**

A current ASU student must have completed an Associate of Applied Science in early childhood education or a closely related field from a

regionally accredited institution to change to this major. Students should refer to <https://changingmajors.asu.edu/> (<https://changingmajors.asu.edu/>) for information about how to change a major to this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

#### **Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEAPSECBAS-null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

The Bachelor of Applied Science with a concentration in early childhood studies provides access to a degree completion program for Head Start teachers and other Head Start staff, as well as early childhood providers currently working in the field. The goal of this concentration is to increase access and capacity toward degree completion from an Associate of Applied Science to a Bachelor of Applied Science, and it focuses on increasing workforce competency and knowledge in the area of early childhood.

Career opportunities for graduates include early childhood teacher (birth to five years) in various settings, including Head Start programs, child care centers, private preschools, nonprofit centers and home-based service providers. Other career opportunities include center-based administrators or directors; topic specialists that provide resources, training and technical assistance to teachers and programs; program managers; family specialists; and consultants.

#### **Contact Information:**

Teachers College, Mary Lou Fulton  
Educational Leadership & Innovation, Division  
<https://education.asu.edu>  
ED 118  
[educationadvising@asu.edu](mailto:educationadvising@asu.edu)  
480-965-5555

## **Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)**

**Campus:** Tempe, ASU@The Gila Valley

#### **Program Description:**

The BAE program for early childhood and early childhood special education prepares students for certification in both early childhood education (birth to age 8 or grade 3) and early childhood special education (birth to age 8 or grade 3).

This is a premier program taught by nationally renowned faculty who emphasize community connectedness, technology infusion, and policy and advocacy related to young children with and without disabilities or developmental delays.

The program teaches child development, research-based instructional and assessment practices in early childhood education and the skills to assess, monitor and report the progress of children with and without disabilities. It provides techniques and approaches to collaborate and partner with family members in the growth and development of young children.

This program is designed to prepare highly competitive graduates. The teacher certification program in early childhood and early childhood special education is embedded during the junior and senior years. The primary goal of all professional experiences is to provide interns and residents with multiple opportunities to apply knowledge learned in coursework to practice with infants, toddlers, preschoolers and children in preK-3 classrooms.

Students complete internships during their junior year that require a minimum of two days per week in a preschool classroom. In their senior year, students complete a full-time, year-long teaching residency. Mary Lou Fulton Teachers College faculty and certified lead teachers from partner schools coach interns and residents during required professional experiences. Students also develop their own instructional practices and skills for effective collaboration and reflection through teaming with their peers in addition to faculty and educators in the field. The professional experiences provided by the program are unmatched in Arizona. It provides students an opportunity to work directly with children and make an immediate impact on classroom achievement.

This program also prepares graduates to qualify for the structured English Immersion endorsement.

Graduates earn an institutional recommendation for their teaching certificate. Those desiring to teach in a public school must pass the appropriate Arizona educator exam (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N  
**Second Language Requirement:** N  
**First Required Math Course:** MAT 142 - College Mathematics  
**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEECSEBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a strong demand for early childhood special education teachers in Arizona. A high percentage of students in this program receive job offers during their senior year residency. Many graduates with a degree in early childhood special education hold leadership positions in Head Start, private nonprofit and private for-profit center-based programs and public school early childhood environments.

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu/>  
ED 118  
ASUeducation@asu.edu  
480-965-5555

## Education Exploratory, (TEEDUEXPL)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

The education exploratory program provides first-year students with the ability to explore various areas in education prior to selecting a major at Mary Lou Fulton Teachers College.

During the program's first year of coursework, which includes four foundational education courses, and through specific cocurricular events scheduled throughout the first and second terms, students on this track are exposed to all programs and certification areas. Students are able to make an informed decision about the grade level or area of specialization they are interested in while staying on track to graduate from any of the BAE programs.

Education exploratory is an introductory program offered prior to declaring a major. It does not lead to a degree, and students need to declare a major after completion of 30 credit hours.

**Additional Program Fee:** N  
**Second Language Requirement:** N  
**First Required Math Course:** MAT 142 - College Mathematics  
**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Admission is restricted to first-time freshmen only. Students with questions regarding admission and program eligibility should contact [educationadvising@asu.edu](mailto:educationadvising@asu.edu) (<mailto:educationadvising@asu.edu>).

**Change of Major Requirements:**

A first-year student with fewer than 24 credit hours is eligible to change the major to this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEEDUEXPL-null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

All students in the education exploratory program are poised to graduate from one of the majors within Mary Lou Fulton Teachers College. Information for those career opportunities can be found under each major.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 118

[ASUeducation@asu.edu](mailto:ASUeducation@asu.edu)

480-965-5555

## Educational Studies, BAE (EDSLSTBAE)

**Campus:** Polytechnic, Tempe, West, Online

**Program Description:**

Learning happens everywhere and at all ages. The BAE program in educational studies prepares students to work with children, youth and adults in formal or informal learning environments within nonprofit settings, community institutions, civic organizations and businesses. The degree program provides a foundation for students to shape society by supporting educational endeavors. Through coursework and a series of internships, students develop skills for effective communication, collaboration, leadership, advocacy and innovation, all of which are essential to education professionals.

Graduates of the program are prepared to teach others and change the face of learning throughout society.

The Bachelor of Arts in education in educational studies is intended for students seeking a career in formal or informal learning contexts. This degree does not lead to teacher certification.

Veterans may be interested in this program as credit may be offered for military service.

An educational studies minor is also available to ASU students in other degree programs.

This program does not lead to Arizona teacher certification. Students seeking teacher certification should enroll in one of the other Mary Lou Fulton Teachers College undergraduate programs.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Accelerated Degree Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Educational Policy, MA

Learning Sciences, MA

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-education-educational-studies/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDSLSTBAE-null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates have a versatile degree that qualifies them for a variety of career paths as innovators, advocates and leaders who support the development of children, youth and adults in nonprofit settings, community institutions, civic organizations or businesses.

This degree also prepares undergraduate students for graduate degrees in education or education-related fields or for trajectories based on the context of their work (e.g., organizational development).

Students may explore career tracks for this degree at <https://www.education.asu.edu/sites/default/files/Ed-studies-career-tracks.pdf> (<https://www.education.asu.edu/sites/default/files/Ed-studies-career-tracks.pdf>).

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<https://education.asu.edu/>

ED 118

ASUeducation@asu.edu

480-965-5555

## **Educational Studies (Early Childhood Studies), BAE (TEESECEBAE)**

**Campus:** Online

This program's name has changed effective Fall 2021. The previous name was Educational Studies (Early Childhood Education).

**Program Description:**

The BAE program in educational studies with a concentration in early childhood studies prepares graduates to lead change and innovation in early

childhood education. It provides students with experience in collaborative and reflective practice, develops leadership and critical thinking, and builds the skills needed for working with and advocating for children from birth to age 5.

This program is delivered online and tailored for individuals working or volunteering in early childhood settings; students must work or volunteer in an early-childhood setting in the last two years of the program to successfully complete the coursework.

The curriculum allows educators to apply coursework to their professional practice. It focuses on early childhood development, instructional strategies, delivering highly individualized instruction, classroom management, intentional teaching and reflective practice.

This program does not lead to Arizona teacher certification. Students seeking teacher certification should enroll in one of the other Mary Lou Fulton Teachers College undergraduate programs.

Transfer students who already have an AAS degree in early childhood education or closely related field should consider the BAS in Applied Science (Early Childhood Studies) program, which has a parallel curriculum.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/online-degree-programs/undergraduate/educational-studies-early-childhood-education-bae/>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEESECEBAE-null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

The goal of the BAE in educational studies with a concentration in early childhood studies is to increase access and capacity toward degree completion for early childhood providers currently working or volunteering in the field and focuses on increasing workforce competency and knowledge in the area of early childhood.

Career opportunities for graduates include early childhood teacher (birth to age 5) in various settings, including Head Start programs, child care centers, private preschools, nonprofit centers and home-based service providers. Other career opportunities include center-based administrators or directors; topic specialists that provide resources, training and technical assistance to teachers and programs; program managers; family specialists; and consultants.

**Contact Information:**

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division of

<https://education.asu.edu/>

ED 120



## Elementary Education, BAE (TEEEDBAE)

**Campus:** Polytechnic, Tempe, West, ASU@Lake Havasu

### Program Description:

The BA program in education with a concentration in elementary education prepares you to work with children, grades K-8, in an educational setting. This program leads to K-8 elementary education certification in the state of Arizona.

Students receive a firm grounding in academic content with current research and best practices from nationally recognized faculty in their fields of expertise, accompanied by professional experiences. This program also provides extensive experience in integrating technology into teaching practices.

The teacher certification program for elementary education is clinically embedded during both the junior and senior years. Mary Lou Fulton Teachers College students complete internships during their junior year and a full-time, year-long apprenticeship, known as their senior year residency, in K-8 classrooms. Coursework is designed to support the development of instructional competencies, professional skills and content knowledge. Coursework is complemented by professional experiences which provide interns and teacher candidates opportunities to apply and reflect upon their knowledge and skills in teaming and collaborative models. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools work in collaboration to support professional growth aligned to each student's personal goals. Additionally, the professional experience pathway provides students an opportunity to work directly with children and make an immediate impact on student achievement. This intensive, hands-on professional experience model of teacher preparation creates highly sought-after graduates and is unmatched in Arizona.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Transfer Admission Requirements:

The MyPath2ASU<sup>®</sup> pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students completing their ASU degree at Yuma: Once the MyPath2ASU<sup>®</sup> pathway requirements are complete, students complete the remaining requirements for the ASU bachelor's degree at the community college.

Students should visit <https://admission.asu.edu/transfer> (<https://admission.asu.edu/transfer>) for more information about ASU degrees offered at local community colleges.

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEEEDBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### **Career Opportunities:**

There is a demand for highly qualified elementary teachers in Arizona. A high percentage of students from this program receive job offers during their residencies. Many graduates with a degree in elementary education work in:

- charter schools
- nontraditional settings
- private school settings
- public elementary schools

### **Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 118

ASUeducation@asu.edu

480-965-5555

## **Elementary Education (Educating Multilingual Learners), BAE (TEDLLBAE)**

**Campus:** Tempe

This program's name has changed effective Fall 2021. The previous name was Elementary Education (Bilingual Education and English as a Second Language).

### **Program Description:**

The BAE program for elementary education with a concentration in educating multilingual learners offers students a firm grounding in current research and critical pedagogy for English language learners, accompanied by professional experiences that expose students to more ways of teaching and learning.

Students in this program are prepared to nurture and develop languages other than English in dual-language settings and to value the rich linguistic resources that are present in any classroom to support student learning. Students take several courses that focus on developing teachers for linguistically and culturally diverse settings. These courses include topics such as language diversity, dialectal variation, funds of knowledge, and practices that value cultural and community engagements.

Understanding the challenges that emerging bilinguals face instructionally, coupled with understanding the implications of language policy in various learning contexts is imperative to student experiences and coursework. Students learn processes for identifying English language learners as well as developing and supporting the needs of students with individual language learning plans. Students also receive preparation in teaching academic content areas including math, language arts, computer literacy and science with a specific focus on meeting the academic and linguistic needs of English language learners.

The program requires six credit hours of a foreign language or its equivalent and enables students to work with second-language learners.

The elementary education EML teacher certification program is clinically embedded during the junior and senior years. During this time, students are intentionally and directly implementing course learning and theory to practices in the classroom. Strategies within the EML program focus on foundations of second language acquisition, biliteracy, culturally relevant pedagogy, effective language instruction and prepares pre-service teachers to develop critical perspectives that allows them to advocate for bilingual children and families.

Field experiences are diverse and involve meeting the needs of emerging bilinguals in structured English immersion, English language development and dual language settings. The primary goal of all professional experiences is to provide interns and residents with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in classrooms for grades K-8 and full-time, year-long residencies in their senior year.

Mary Lou Fulton Teachers College faculty and highly qualified certified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required clinical experiences with high concentrations of English language learners. The professional experience provided by the program is unmatched in Arizona and provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on professional experience model of teacher preparation creates highly sought-after graduates.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona. In addition, students must complete six credit hours of a foreign language or equivalent and pass an appropriate language proficiency test to be

eligible for the EML endorsement. All graduates who meet the foreign language requirement receive an English as a second language endorsement.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEDLLBAE-null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a great demand for teachers in Arizona with a bilingual education ESL endorsement. A high percentage of students from this program receive job offers during their residencies. Many graduates with a degree in elementary education and BLE or ESL endorsements work in:

- charter schools
- nontraditional settings
- private school settings
- public elementary schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 118

ASUeducation@asu.edu

480-965-5555

## Elementary Education (Science, Technology, Engineering and Mathematics), BAE (TEESTEMBAE)

**Campus:** Polytechnic

**Program Description:**

The BAE program in elementary education with an emphasis on science, technology, engineering and mathematics --- STEM --- has coursework designed for students looking to advance their skills in STEM disciplines and wishing to learn techniques to effectively engage K-12 learners in the 21st century. The coursework informs educators how to equip learners with the specialized STEM knowledge they need to solve challenging problems and apply critical thinking skills. The STEM program offers students a firm grounding in the language, current research and best practices in STEM education accompanied by professional experiences.

The teacher certification program for elementary education with an emphasis in STEM is clinically embedded during both the junior and senior years. Mary Lou Fulton Teachers College students complete internships during their junior year and a full time, year-long apprenticeship, known as

their senior year residency, in K-8 classrooms. Coursework is designed to support the development of instructional competencies, professional skills and content knowledge. Coursework is complemented by professional experiences, which provide interns and teacher candidates opportunities to apply and reflect upon their knowledge and skills in teaming and collaborative models. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools work in collaboration to support professional growth aligned to each student's personal goals. Additionally, these professional experiences provide students an opportunity to work directly with children and make an immediate impact on student achievement. This intensive, hands-on model of teacher preparation creates highly sought-after graduates and is unmatched in Arizona.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics  
or MAT 117 College Algebra or MAT 170 Precalculus

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEESTEMBAE-null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

There is a demand for highly qualified elementary teachers in math or science in Arizona. The job opportunities in a fast-growing state such as Arizona are numerous, and demand for math and science teachers will continue to grow.

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 118

ASUeducation@asu.edu

480-965-5555

## Secondary Education, BAE (TESEDBAE)

**Campus:** Polytechnic, Tempe, West, ASU@Northeastern Arizona, ASU@The Gila Valley, ASU@Yuma, ASU@Yavapai

**Program Description:**

The BAE in secondary education is offered in two formats:

MyPath2ASU university alliances --- Working in partnership with community colleges, local communities and other educational institutions, ASU alliances offer high-demand programs for students in various modalities to allow customizable ways to finish their bachelor's degree. The Bachelor of Arts in education in secondary education is offered at the following locations: ASU@Yuma (<https://education.asu.edu/awc>) (<https://education.asu.edu/awc>), ASU@TheGilaValley (<https://education.asu.edu/eac>) (<https://education.asu.edu/eac>) and ASU@Northeastern

Arizona (<https://education.asu.edu/npc> (<https://education.asu.edu/npc>)).

Concurrent degree --- ASU students at the Tempe, Polytechnic and West campuses can add the Bachelor of Arts in education in secondary education to their primary degree in any secondary education content area. With this option, students can graduate with two degrees, a greater understanding of the field of education and certification to teach. More information is available on the Mary Lou Fulton Teachers College (<https://education.asu.edu/degree-programs/undergraduate-programs/secondary-education> (<https://education.asu.edu/degree-programs/undergraduate-programs/secondary-education>)) website.

Additional degree programs in secondary education are offered at the ASU Tempe, Polytechnic and West campuses. Students can view a complete list of programs here: <https://education.asu.edu/degree-programs/undergraduate-programs> (<https://education.asu.edu/degree-programs/undergraduate-programs>).

The Bachelor of Arts in education in secondary education prepares individuals to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers a Structured English Immersion endorsement for working with English language learners and also provides extensive experiences integrating technology into teaching.

Specializations are typically available in the following content areas, depending on campus location: biology, business, chemistry, earth and space sciences, economics, English, general science, geography, history, math, physics, political science and some foreign languages.

The program's professional experience component provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

The culminating experience is a residency which requires working alongside a highly qualified certified lead teacher, full-time, for the entire semester. Mary Lou Fulton Teachers College faculty and highly qualified certified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** Moderate

**Concurrent Degrees:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Biological Sciences, BS

Chemistry, BA

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Transfer Admission Requirements:

The MyPath2ASU<sup>®</sup> pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students completing their ASU degree at Yuma: Once the MyPath2ASU<sup>®</sup> pathway requirements are complete, students complete the remaining requirements for the ASU bachelor's degree at the community college.

Students should visit <https://admission.asu.edu/transfer> (<https://admission.asu.edu/transfer>) for more information about ASU degrees offered at local community colleges.

**Change of Major Requirements:**

This program is only available as a concurrent degree at ASU's Tempe, Polytechnic and West campuses. Students should contact the advising office to add this program as a concurrent degree.

A current ASU student at ASU@The Gila Valley or ASU@Yuma must have completed all lower-division requirements and hold a 2.50 GPA in order to change majors to this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESEDBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools
- online schools

**Contact Information:**

Teachers College, Mary Lou Fulton  
Division of Teacher Preparation  
<https://education.asu.edu>  
ED 118  
ASUeducation@asu.edu  
480-965-5555

## Secondary Education (Biological Sciences), BAE (TEBIOBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers the Structured English Immersion instruction that qualifies them to receive the endorsement that enables them to work with English language learners and also provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students are also given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 170 - Precalculus

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEBIOBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

ED 118

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480-965-5555

## Secondary Education (Chemistry), BAE (TECHMBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers the Structured English Immersion instruction that qualifies them to receive the endorsement that enables them to work with English language learners, and also provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students are also given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TECHMBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

ED 118

ASUeducation@asu.edu

480-965-5555

## Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12.

While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers a Structured English Immersion endorsement enabling students to work with English language learners, and it provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact



on classroom achievement. Students also are given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 210 - Brief Calculus

or MAT 270 Calculus w/Analytic Geometry I

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDESSBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

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## Secondary Education (English), BAE (TEENGBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers the Structured English Immersion instruction that qualifies them to receive the endorsement that enables them to work with English language learners, and also provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students are also given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEENGBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

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## Secondary Education (German), BAE (EDGERBAE)

**Campus:** Polytechnic, Tempe, West

ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:**

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12.

While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers a Structured English Immersion (SEI) endorsement for working with English language learners and also provides extensive experiences throughout the program in integrating technology into teaching.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: biological sciences, chemistry, earth and space sciences, English, history, mathematics, physical education, physics, political science and Spanish.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to practice in classrooms for grades 6-12.

Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students are also given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDGERBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu>

ED 118

## Secondary Education (History), BAE (TEHISBAE)

**Campus:** Polytechnic, Tempe, West

### Program Description:

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers the Structured English Immersion instruction that qualifies them to receive the endorsement that enables them to work with English language learners, and also provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students are also given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

### Change of Major Requirements:

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEHISBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Graduates from the secondary education program are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

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## Secondary Education (Mathematics), BAE (TEMATBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers the Structured English Immersion instruction that qualifies them to receive the endorsement that enables them to work with English language learners and also provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students are also given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEMATBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from the secondary education program are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

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**Secondary Education (Physical Education), BAE (ECPPEBAE)**

**Campus:** Polytechnic

**Program Description:**

The BAE program in secondary education with a physical education concentration leads to a K-12 teaching certificate.

While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach elementary, middle or high school students. The curriculum directly aligns with Arizona's standards for teachers and the National Association for Sport and Physical Education's beginning teacher standards. This program also provides extensive experiences throughout the program in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide interns and residents with multiple opportunities to directly apply knowledge learned in coursework in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in classrooms for grades 6-12. The professional experience in physical education includes one half-time teaching experience in the elementary school level in term seven and a secondary school setting during term eight. The experience occurs in the morning hours and is followed by further coursework in the afternoons and evenings. Mary Lou Fulton Teachers College faculty and highly qualified lead certified teachers from partner school districts and charter schools collaboratively coach interns' and residents' required professional experiences. Students have the opportunity to work directly with children and make an immediate impact on student achievement. This intensive hands-on experience model of teacher preparation creates highly sought-after graduates.

Graduates of the physical education program who desire to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified in the state of Arizona. The physical education program also requires its graduates to pass the National Evaluation Series' Physical Education Content Knowledge test for graduation.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

or MAT 142 College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

Additional Requirements:

Students are admitted to the preprofessional status and must complete additional requirements for entrance to the professional status. Students should see the department website for more information.

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECPEBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

#### **Career Opportunities:**

Graduates from secondary education with a physical education concentration are recommended for certification for grades K-12. The demand for well prepared secondary teachers is strong, with placement rates at approximately 98% during the last 10 years. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

#### **Contact Information:**

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## **Secondary Education (Physics), BAE (EDPHYBAE)**

**Campus:** Polytechnic, Tempe, West

#### **Program Description:**

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12.

While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers a Structured English Immersion endorsement enabling students to work with English language learners, and it provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students also are given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I

**Program Math Intensity:** Substantial

#### **Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDPHYBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

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## Secondary Education (Political Science), BAE (TEPOLBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers the Structured English Immersion instruction that qualifies them to receive the endorsement that enables them to work with English language learners, and also provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students also are given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)



Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEPOLBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

Teachers College, Mary Lou Fulton  
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## Secondary Education (Spanish), BAE (TESPABAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:**

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers the Structured English Immersion instruction that qualifies them to receive the endorsement that enables them to work with English language learners and also provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students are also given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPABAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Contact Information:**

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## Special Education (Visual Impairment), BAE (TESPEVIBAE)

**Campus:** Tempe, West

**Program Description:**

The BAE program in special education with a concentration in visual impairment prepares graduates to work with blind and partially sighted students across educational settings. It leads to dual-certification in Visual Impairment (birth-grade 12) and Mild-Moderate Special Education (K-12).

This degree program provides a strong foundation in evidence-based, high-leverage practices in special education. The visual impairment concentration focuses on diagnostic assessment, orientation and mobility skills, and specific teaching methodologies for students with visual impairments. It includes a strong focus on assistive technology to advance learning in the classroom and in daily life. Candidates are taught to work collaboratively with parents, classroom teachers and related service personnel to meet the unique needs of students with visual impairments. The curriculum is aligned with Arizona and national standards consistent with the Council for Exceptional Children.

Starting in Term 5, the program is delivered in partnership with the Foundation for Blind Children in Phoenix, Arizona. Courses are taught by faculty associates from FBC and full-time ASU faculty to provide candidates with theoretical and practical perspectives on teaching and learning for individuals with visual impairments. Students take face-to-face classes at an ASU campus and the FBC main campus.

Professional experiences (internships and student teaching) take place at the Foundation for Blind Children and within a local school district, providing experiences that prepare students to teach in self-contained and inclusive settings.

The courses within this degree and concentration meet the requirements for two teaching certificates offered by the Arizona Department of Education: Visually Impaired Special Education, birth-grade 12 and Mild-Moderate Disabilities Special Education, K-12.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPEVIBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Graduates are certified to teach in a variety of special education settings such as resource rooms, self-contained classrooms and co-teaching with general educators. This degree and accompanying concentrations carries with it reciprocity with all other states to allow the certification candidates to teach in other states. Additional opportunities in the field of education also exist in terms of state agencies, curriculum design and private school opportunities.

**Contact Information:**

Teachers College, Mary Lou Fulton

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## Special Education and Elementary Education, BAE (TESPEBAE)

**Campus:** Polytechnic, Tempe, West, ASU@Northeastern Arizona, ASU@The Gila Valley, ASU@Yuma

**Program Description:**

Special educators make a difference in the lives of children and families. They are curious about how people learn and develop throughout their lifespan. A special education degree prepares students to understand human diversity, communicate effectively and develop problem-solving skills that support their success and that of others.

The BAE in special education and elementary education prepares teachers to work with all students in inclusive settings. Since the general education classroom is a viable placement option for many students with mild and moderate learning and behavioral disabilities, teacher candidates learn to use evidence-based practices that promote students' success with general education content, including high leverage practices in literacy, math, sciences and social studies. They develop adaptive techniques for students with disabilities and learn to use instructional and assistive technologies to facilitate success in the general education curriculum. Since special educators work within collaborative partnerships that promote inclusive practices, these skills are emphasized throughout the professional preparation sequence, with additional training in interpersonal communication and problem-solving skills.

The special education and elementary education program is clinically embedded during the junior and senior years. It provides teacher candidates with multiple opportunities to work directly with children and youth to practice what is learned during coursework in authentic settings. During the junior year, teacher candidates intern in classrooms serving students with special needs. The senior year residency is a full-time, two-semester

experience. Senior year teacher candidates practice in teams of residents and interns in partner school districts, working across classrooms under the guidance of certified lead teachers. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates are eligible for the Standard Professional Mild/Moderate Disabilities Special Education Certificate - Grades K-12 and the Standard Professional Elementary, K-8 Certificate from the Arizona Department of Education. Those desiring to teach in a public school in Arizona must also pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Change of Major Requirements:**

A current ASU student has no additional requirements for changing majors.

Students should refer to <https://changingmajors.asu.edu/> (<https://changingmajors.asu.edu/>) for more information about how to change a major to this program.

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPEBAE~null + &college=CTE>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

National and state studies report the projected need in the next five to 10 years will be high for special education teachers.

Graduates of the program are eligible to teach in elementary education grades K-8 and K-12 for the following high-incidence disabilities:

- emotional disorders
- intellectual disabilities (mild or moderate)
- other health impairments
- orthopedic impairments
- specific learning disabilities

They can teach in a variety of inclusive educational settings, including public, charter and private schools as well as nontraditional settings (juvenile system, children's hospital, etc.).

**Contact Information:**

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<https://education.asu.edu/>

ED 118

ASUeducation@asu.edu

480-965-5555

## University College

### Exploratory Health and Life Sciences, (UCHSCIEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, ASU@Lake Havasu, Online

**Program Description:**

The exploratory health and life sciences track offers students an opportunity to explore a variety of majors related to the health and life science professions.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill while affording them some time to explore a variety of academic courses that may lead to a potential major interest.

All University College exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)

UNI 250 Choosing a Major (1)

UNI 270 Career Direction for Success (1)

For a complete list of all majors associated with this exploratory track, students should refer to <https://cisa.asu.edu/exp-health-life-sciences-majors> (<https://cisa.asu.edu/exp-health-life-sciences-majors>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** Math courses needed will be determined by potential major choice.

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/>)

**Change of Major Requirements:**

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all College of Integrative Sciences and Arts majors are available at <https://cisa.asu.edu/advising> (<https://cisa.asu.edu/advising>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCHSCIEXPL~null + &college=CUC>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

University College  
Dean, University College  
<https://cisa.asu.edu/>  
USE 138  
[exploratory@asu.edu](mailto:exploratory@asu.edu)  
480-965-4464

## Exploratory Humanities, Fine Arts and Design, (UCHUFAEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, ASU@Lake Havasu, Online

### Program Description:

The exploratory humanities, fine arts and design track offers students an opportunity to explore a variety of majors related to the humanities, fine arts and design professions.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill while affording them some time to explore a variety of academic courses that may lead to a potential major interest.

All University College exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)  
UNI 250 Choosing a Major (1)  
UNI 270 Career Direction for Success (1)

For a complete list of all majors associated with this exploratory track, students should reference <https://cisa.asu.edu/exp-art-design-humanities-majors> (<https://cisa.asu.edu/exp-art-design-humanities-majors>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** Math courses needed will be determined by potential major choice.

**Program Math Intensity:** General

### Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/>)

### Change of Major Requirements:

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all CISA majors are available at <https://cisa.asu.edu/advising> (<https://cisa.asu.edu/advising>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

### Transfer Options:

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCHUFAEXPL~null + &college=CUC>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

### Career Opportunities:

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

University College  
Dean, University College  
<https://cisa.asu.edu/>  
USE 138  
[exploratory@asu.edu](mailto:exploratory@asu.edu)  
480-965-4464

## Exploratory Math, Physical Sciences, Engineering and Technology, (UCEMTPEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, Online

**Program Description:**

The exploratory mathematics, physical sciences, engineering and technology track offers students an opportunity to explore a variety of majors related to the mathematics, physical sciences, engineering and technology professions.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill while taking some time to explore a variety of academic courses that may lead to a potential major interest.

All University College exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)

UNI 250 Choosing a Major (1)

UNI 270 Career Direction for Success (1)

For a complete list of all majors associated with this exploratory track, students should reference <https://cisa.asu.edu/exp-engineering-math-technology-physical-sciences-majors> (<https://cisa.asu.edu/exp-engineering-math-technology-physical-sciences-majors>).

**Additional Program Fee:** Y

**Second Language Requirement:** N

**First Required Math Course:** MAT 117 - College Algebra

Math courses needed will be determined by potential major choice.

**Program Math Intensity:** Moderate

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://admission.asu.edu/first-year/apply>)

Transfer (<https://admission.asu.edu/transfer/apply>)

International (<https://admission.asu.edu/international/undergrad-student>)

Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/>)

**Change of Major Requirements:**

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all CISA majors are available at <https://cisa.asu.edu/advising> (<https://cisa.asu.edu/advising>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCEMTPEXPL~null + &college=CUC>) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about

these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

University College  
Dean, University College  
<https://cisa.asu.edu/>  
USE 138  
[exploratory@asu.edu](mailto:exploratory@asu.edu)  
480-965-4464

## Exploratory Social and Behavioral Sciences, (UCSBSEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, ASU@Lake Havasu, Online

**Program Description:**

The exploratory social and behavioral sciences track offers students an opportunity to explore a variety of majors related to the social and behavioral sciences, such as psychology, history, education, journalism and business-related careers.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill while taking some time to explore a variety of academic courses that may lead to a potential major interest.

All University College exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)  
UNI 250 Choosing a Major (1)  
UNI 270 Career Direction for Success (1)

For a complete list of all majors associated with this exploratory track, students should reference <https://cisa.asu.edu/exp-social-behavioral-sciences-majors> (<https://cisa.asu.edu/exp-social-behavioral-sciences-majors>).

**Additional Program Fee:** N

**Second Language Requirement:** N

**First Required Math Course:** Math courses needed will be determined by potential major choice.

**Program Math Intensity:** General

**Admission Requirements:**

General University Admission Requirements:  
All students are required to meet general university admission requirements.  
Freshman (<https://admission.asu.edu/first-year/apply>)  
Transfer (<https://admission.asu.edu/transfer/apply>)  
International (<https://admission.asu.edu/international/undergrad-student>)  
Readmission (<https://admission.asu.edu/undergrad/readmission>)

**Attend Online:** ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (<https://asuonline.asu.edu/>)

**Change of Major Requirements:**

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all CISA majors are available at <https://cisa.asu.edu/advising> (<https://cisa.asu.edu/advising>).

Students should refer to <https://changemajor.apps.asu.edu> for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU (<https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCSBSEXPL~null + &college=CUC>) to outline a list of recommended courses to take prior to transfer.



ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: <https://admission.asu.edu/transfer/pathway-programs>.

**Career Opportunities:**

Career opportunities are specific to the ultimate major of choice.

**Contact Information:**

University College  
Dean, University College  
<https://cisa.asu.edu/>  
USE 138  
[exploratory@asu.edu](mailto:exploratory@asu.edu)  
480-965-4464

## 2021 - 2022 Major Map

### Accountancy, BS





School/College: W. P. Carey School of Business







Location: Tempe campus, West campus

BAACCBS






**FT** Fast Track Options: 3 Year






A student must speak with an advisor in order to be added to a fast track plan.






Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.</li> <li>ACC 194 is the recommended elective for Accountancy students</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
CIS 105: Computer Applications and Information Technology (CS)	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		


Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and instead will complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Join the W. P. Carey <b>mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 211: Mathematics for Business Analysis	3	C	
PSY course (SB)	3		
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 course with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 15.25

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 232: Financial Accounting I OR ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• ACC 232 is the recommended ACC course for Accountancy students</li> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347.</li> <li>• Explore <a href="#">career resources</a></li> <li>• Develop your <a href="#">professional online presence</a></li> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 OR ECN 212 with a grade of "C" or better.			
 Complete MAT 211 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 242: Managerial Accounting I OR ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• ACC 232 and ACC 242 are the recommended ACC courses for Accountancy students</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>• Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 232 OR ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 330: Data Analytics in Accounting	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Update your <a href="#">resume</a></li> </ul>
 ACC 340: External Reporting I	3	C	
 FIN 300: Fundamentals of Finance	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
 Complete ACC 242 OR ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ ACC 350: Internal Reporting	3	C
★ ACC 440: External Reporting II	3	C
★ LES 305: Business Law and Ethics for Managers	3	C
SCM 300: Global Supply Operations	3	C
Upper Division International Business Course AND Global Awareness (G)	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**
- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480

Term 7 92.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ ACC 430: Taxes and Business Decisions	3	C	<ul style="list-style-type: none"> <li>• ACC 360 is the recommended elective for Accountancy students</li> <li>• Accounting Internship Track students will replace Term 7 courses with courses listed in "Accounting Internship Track Term 7 Courses"</li> <li>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Gather <b>professional references</b></li> <li>• Update your <b>resume</b></li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
★ CIS 360: Business Database Concepts	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete FIN 300 AND LES 305 AND MGT 300 AND			
★ International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	15		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ ACC 444: Enterprise Process Analysis and Design	3	C	<ul style="list-style-type: none"> <li>• Accounting Internship Track students will replace Term 8 courses with courses listed in "Accounting Internship Track Term 8 Courses"</li> <li>• Apply for <b>full-time career opportunities</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
★ ACC 450: Principles of Auditing	3	C	
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Elective OR WPC 484: Internship	3		
Term hours subtotal:	12.25		

### • Accounting Internship Track

To be eligible, students must be W. P. Carey Accountancy majors who have completed a minimum of 72 credit hours of coursework and earned a minimum cumulative GPA of 3.50 and a minimum major (ACC) GPA of 3.50. The following courses must be completed with a "C" or better prior to starting the internship: ACC 340, ACC 350, ACC 430, ACC 440, ACC 450.

Students in the Accounting Internship Track (<https://wpcarey.asu.edu/accounting-degrees/masters-internships>) complete the following courses in terms 7 and 8.

- Term 7 Note: Courses are 3 credit hours each, with the exception of Elective - 2 credit hours.
- Term 8 Note: Courses are 3 credit hours each, with the exception of ACC 484: Internship - 6 credit hours.

- Term 8 Note: ACC 484: Internship is offered Session A only. Interns are required to work full-time, 40 hours/week.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	Accounting Internship Track- Term 7 - ACC Major Courses Only (see major map for other major requirements)	Accounting Internship Track- Term 8 - ACC Major Courses Only (see major map for other major requirements))
AGB 302: International Management and Agribusiness (G)	ACC 430: Taxes and Business Decisions	ACC 444: Enterprise Process Analysis and Design
ECN 306: Survey of International Economics (SB & G)	ACC 450: Principles of Auditing	ACC 484: Internship
MGT 302: Principles of International Business (G)	CIS 360: Business Database Concepts	
MKT 425: Global Marketing Management (G)		
SCM 463: Global Supply Chain Management (G)		
Business Skills Courses - No Grades of D or E		
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting		
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting		
CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)		
ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)		
ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)		
ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)		
MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)		
MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Accountancy, BS

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BAACCBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Join a student <a href="#">club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 22.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
Term hours subtotal:	6.25		
Term 2 - B 22.25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and instead will</li> </ul>
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 9

complete three hours of elective credit.

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 232: Financial Accounting I OR ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• ACC 232 and ACC 242 are the recommended ACC courses for Accountancy students</li> <li>• Explore <a href="#">career resources</a>.</li> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 242: Managerial Accounting I OR ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• ACC 232 and ACC 242 are the recommended ACC courses for Accountancy students</li> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your <a href="#">professional online presence</a></li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Cultural Diversity in the U.S. (C)	3		
⚠ Business Skills Courses: No Grades of D or E			
⚠ Complete ECN 211 AND ECN 212.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 55.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> <li>• Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Natural Science - Quantitative (SQ)	4		
Elective	2		
Term hours subtotal:	9		

Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Humanities, Arts and Design (HU)	3		
⚠ Business Skills Courses: No Grades of D or E			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 62.50 - 71.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACC 340: External Reporting I	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Update your <a href="#">resume</a></li> </ul>
★ FIN 300: Fundamentals of Finance	3	C	
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	9.25		



<b>Term 5 - B 71.75 - 77.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ ACC 330: Data Analytics in Accounting	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Term hours subtotal:	6		
<b>Term 6 - A 77.75 - 83.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ ACC 440: External Reporting II	3	C	• Complete informational interviews
ENG 302: Business Writing (L)	3		
Term hours subtotal:	6		
<b>Term 6 - B 83.75 - 92.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ ACC 350: Internal Reporting	3	C	• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b>
★ CIS 360: Business Database Concepts	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		
<b>Term 7 - A 92.75 - 98.75 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
SCM 300: Global Supply Operations	3	C	• ACC 360 is the recommended elective for Accountancy students • Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		
<b>Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ ACC 430: Taxes and Business Decisions	3	C	• Gather professional references • Update your resume
MGT 300: Organization and Management Leadership	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	9		
<b>Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ ACC 444: Enterprise Process Analysis and Design	3	C	• Apply for full-time career opportunities
★ WPC 448: Senior Career Transition Management	0.25	C	
Elective OR WPC 484: Internship	3		
Term hours subtotal:	6.25		
<b>Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>

★ ACC 450: Principles of Auditing	3	C
★ WPC 480: W. P. Carey Capstone Course (L)	3	C
Term hours subtotal:	6	

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	Business Skills Courses - No Grades of D or E
AGB 302: International Management and Agribusiness (G)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ECN 306: Survey of International Economics (SB & G)	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MGT 302: Principles of International Business (G)	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MKT 425: Global Marketing Management (G)	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
SCM 463: Global Supply Chain Management (G)	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map






### Business, BA

School/College: W. P. Carey School of Business

Location: Polytechnic campus, Tempe campus, West campus

BABUSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Complete the <b>me3</b> career interest tool</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and instead will complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> <li>Must declare concentration by end of term 3</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Milestone: Selection of a concentration			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

- Not selectable as an ASU admission option.
- Change of major into this program is not allowed.
- Must declare concentration by the end of Term 3.

Hide Course List(s)/Track Group(s)

Business Skills Courses - No Grades of D or E	Quantitative Course
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	ACO 100: All About Data: Design, Query, and Visualization (CS)
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	EDS 223: Design Thinking
CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	
ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)	
ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)	
MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)	
MAT 211: Mathematics for Business Analysis or Quantitative Course	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 47.5

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Business Administration), BA






School/College: [W. P. Carey School of Business](#)





Location: [Polytechnic campus](#), [West campus](#), [ASU@Lake Havasu](#), [ASU@The Gila Valley](#)

BABUSBABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time freshman</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	2		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>
 SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MGT 411: Leading Organizations	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	



Upper Division Business Administration Track or Human Resources Track or Procurement Track	3	C
Upper Division International Business Elective AND Global Awareness (G)	3	C
General Studies Elective	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		15

- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

<b>Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ BUS 384: Business Operations and Planning	3	C	<ul style="list-style-type: none"> <li>• All Upper Division Business Core classes (including International Business course) must be completed before enrolling in WPC 470</li> <li>• Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>• Gather <b>professional references</b></li> <li>• Update your <b>resume</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:		15	

<b>Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ WPC 470: Business Administration Capstone	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
<i>Complete 2 courses:</i>			
Upper Division Business Administration Track or Human Resources Track or Procurement Track	6	C	
Elective	3		
Term hours subtotal:		12.25	

- Procurement Track Courses are only available at the West campus.
- W. P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, ECN, FIN, LES, MGT, MKT, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- **ASU Language Placement:** Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

Hide Course List(s)/Track Group(s)

Business Administration Track Courses - select 3 courses (9 credit hours)	Human Resources Track Courses (offered at the Poly campus only) - 3 courses (9 credit hours) MGT 420 required; choose two other courses	Procurement Track Courses (offered at the West campus only) - 3 courses (9 credit hours)
AGB 414: Food and Agribusiness Policy Issues (L)	MGT 420: Human Resource Management	SCM 354: Procurement of Services
AGB 420: Food Advertising and Promotion	MGT 421: Compensation in Organizations	SCM 494: Advanced Procurement
AGB 425: Food Supply Networks		SCM 494: Public & Non-Profit Procurement

AGB 435: Commodity Futures and Options Markets	MGT 422: Staffing	
AGB 445: Food Retailing	MGT 423: Training and Development in Organizations	
AGB 452: Global Food and Agricultural Trade	MGT 424: Employment Law	
AGB 456: Food Product Innovation and Development	MGT 425: Global Human Resources	
AGB 481: Strategic Pricing in Food Markets	MGT 426: HR Consulting Projects	
BUS 424: Sales and Negotiations		
BUS 434: Business Risk Management		
COM 353: Professional Communication		
MGT 400: Cross-Cultural Management (C & G)		
MGT 420: Human Resource Management		
MGT 421: Compensation in Organizations		
MGT 422: Staffing		
MGT 423: Training and Development in Organizations		
MGT 424: Employment Law		
MGT 425: Global Human Resources		
MGT 426: HR Consulting Projects		
MGT 430: Negotiations		
PHI 360: Business and Professional Ethics (HU)		
PSY 304: Effective Thinking (L)		
SCM 354: Procurement of Services		
SCM 385: Business and Sustainability I		
TMC 320: Funding the Enterprise		
TWC 422: Social Media in the Workplace		
<b>Upper Division International Business Course-select one course (3 credit hours)</b>	<b>General Studies Electives</b>	<b>General Studies Electives Continued</b>
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra
	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus

COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
COM 281: Communication Activities	MAT 410: Introduction to General Topology
COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics
COM 341: Social Contexts for Performance	MAT 416: Graph Theory
COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra
COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra
COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra
COM 465: Intercultural Communication Workshop	MAT 445: Theory of Numbers
ENG 210: Introduction to Creative Writing	MAT 460: Vector Calculus
ENG 213: Introduction to the Study of Language	MAT 461: Applied Complex Analysis
ENG 310: Intermediate Creative Writing	MAT 462: Applied Partial Differential Equations
ENG 314: Modern Grammar	MAT 472: Intermediate Real Analysis I
ENG 345: Selected Authors or Issues	MAT 475: Differential Equations
FAS 301: Introduction to Parenting	MAT 485: History of Mathematics
GCU 433: Geography of Southeast Asia	POR 102: Elementary Portuguese II (G)
GRK 101: Elementary Ancient Greek	ROM 101: Elementary Romanian Language and Culture I
GRK 201: Intermediate Ancient Greek	ROM 201: Intermediate Romanian Language and Culture I
HST 389: Japan Society and Values/Premod	ROM 313: Romanian Composition and Conversation
JPN 110: Intensive Japanese I	ROM 314: Romanian Composition and Conversation
IDN 101: Elementary Indonesian I	RUS 101: Elementary Russian I
IDN 102: Elementary Indonesian II	RUS 102: Elementary Russian II
JPN 206: Japanese Calligraphy	SPA 101: Elementary Spanish I
JPN 414: Introduction to Classical Japanese	SPA 102: Elementary Spanish II
KOR 101: First-Year Korean I	SPA 111: Fundamentals of Spanish
KOR 102: First-Year Korean II	SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa y Lala</i>
	UNI 110: Critical Reading and Thinking
	WPC 150: Business and Society
<b>Business Skills Courses - No Grades of D or E</b>	<b>Quantitative Course</b>
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	ACO 100: All About Data: Design, Query, and Visualization (CS)
	EDS 223: Design Thinking

ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

EDT 180: Technology Literacy: Problem  
Solving using Digital Technology  
Applications (CS)

CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

MAT 211: Mathematics for Business Analysis  
or Quantitative Course

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Business Administration), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSBABA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	
PSY course (SB)	3		

- ❖ Business Skills Courses: No Grades of D or E

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- ❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

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- ❖ Minimum 2.00 GPA ASU Cumulative.

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Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Explore career resources.</li> <li>Meet with your <b>W. P. Carey Career Coach</b></li> <li>Attend <b>W. P. Carey and ASU Career Fairs</b></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Develop your <b>professional online presence</b></li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Elective	3		
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 55.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Attend <b>W. P. Carey and ASU career fairs</b></li> <li>Apply for <b>internships</b> or <b>create one</b></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		

Term 4 - B 55.50 - 62.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
General Studies Elective	3		
❖ Business Skills Courses: No Grades of D or E			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 62.50 - 68.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SCM 300: Global Supply Operations	3	C	<ul style="list-style-type: none"> <li>Meet with your <b>W. P. Carey Career Coach</b></li> <li>Update your <b>resume</b></li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		

Term 5 - B 68.75 - 77.75 Credit Hours <b>Necessary course signified</b>	Hours	Minimum	Notes
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by ★		Grade	
★ BUS 384: Business Operations and Planning	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
★ MGT 300: Organization and Management Leadership	3	C	
ENG 302: Business Writing (L)	3		
Term hours subtotal:	9		

★ Term 6 - A 77.75 - 84.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MKT 300: Marketing and Business Performance	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

★ Term 6 - B 84.75 - 93.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
★ LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

★ Term 7 - A 93.75 - 99.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ Upper Division Business Administration Track or Procurement Track Course	3	C	<ul style="list-style-type: none"> <li>All Upper Division Business Core classes (including International Business course) must be completed before enrolling in WPC 470</li> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	6		

★ Term 7 - B 99.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
★ Upper Division Business Administration Track or Procurement Track Course	3	C	
Upper Division Elective	2		
Term hours subtotal:	8		

★ Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ Upper Division Business Administration Track or Procurement Track Course	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6.25		

★ Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ WPC 470: Business Administration Capstone	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	6	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

#### Hide Course List(s)/Track Group(s)

Business Administration Track Courses - select 3 courses (9 credit hours)	Procurement Track Courses - 3 courses (9 credit hours)	Upper Division International Business Course-select one course (3 credit hours)
AGB 420: Food Advertising and Promotion	SCM 354: Procurement of Services	AGB 302: International Management and Agribusiness (G)
AGB 425: Food Supply Networks	SCM 494: Advanced Procurement	ECN 306: Survey of International Economics (SB & G)
AGB 435: Commodity Futures and Options Markets	SCM 494: Public & Non-Profit Procurement	MGT 302: Principles of International Business (G)
AGB 445: Food Retailing		MKT 425: Global Marketing Management (G)
AGB 456: Food Product Innovation and Development		SCM 463: Global Supply Chain Management (G)
AGB 481: Strategic Pricing in Food Markets		
MGT 400: Cross-Cultural Management (C & G)		
MGT 420: Human Resource Management		
MGT 430: Negotiations		
PHI 360: Business and Professional Ethics (HU)		
SCM 354: Procurement of Services		
SCM 385: Business and Sustainability I		
TMC 320: Funding the Enterprise		
TWC 422: Social Media in the Workplace		
General Studies Electives	Business Skills Courses - No Grades of D or E	Quantitative Course
BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	ACO 100: All About Data: Design, Query, and Visualization (CS)
COM 207: Introduction to Communication Inquiry		EDS 223: Design Thinking
COM 259: Communication in Business and the Professions	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
COM 312: Communication, Conflict, and Negotiation		
COM 414: Crisis Communication		



COM 430: Leadership in Group Communication	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
COM 453: Communication Training and Development	
ENG 210: Introduction to Creative Writing	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
ENG 310: Intermediate Creative Writing	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
ENG 345: Selected Authors or Issues	
FAS 301: Introduction to Parenting	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MAT 242: Elementary Linear Algebra	
MAT 243: Discrete Mathematical Structures	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
ROM 101: Elementary Romanian Language and Culture I	MAT 211: Mathematics for Business Analysis or Quantitative Course
SPA 101: Elementary Spanish I	
SPA 102: Elementary Spanish II	
WPC 150: Business and Society	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition











General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map






### Business (Communication), BA




School/College: [W. P. Carey School of Business](#)




Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#), [ASU@Lake Havasu](#)  
BABUSCBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB)	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU</a> career fairs</li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
COM 230: Small Group Communication (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 COM 259: Communication in Business and the Professions	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>	
ENG 302: Business Writing (L)	3			
MKT 300: Marketing and Business Performance	3	C		
SCM 300: Global Supply Operations	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Upper Division Elective	3			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:		15.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 COM 312: Communication, Conflict, and Negotiation	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
 COM 400: Communication in Professions (HU & C) OR COM 451: Communication and Work Relationships	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	

Upper Division International Business Course AND Global Awareness (G) 3 C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

★ Term 7 93.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ COM 430: Leadership in Group Communication	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	2		
Term hours subtotal:	14		

★ Term 8 107.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ COM 453: Communication Training and Development	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12.25		

Hide Course List(s)/Track Group(s)

Business Skills Courses - No Grades of D or E	Upper Division International Business Course-select one course (3 credit hours)	Quantitative Course
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking
CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)	MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	MKT 425: Global Marketing Management (G)	
ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)	SCM 463: Global Supply Chain Management (G)	
ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)		
MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)		

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MAT 211: Mathematics for Business Analysis  
or Quantitative Course

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Business (Communication), BA










School/College: [W. P. Carey School of Business](#)





Location: [Online, ASU Local@Los Angeles](#)




BABUSCBA






**FT** Fast Track Options: 3 Year




A student must speak with an advisor in order to be added to a fast track plan.




Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students. W. P. Carey students take WPC 101 to fulfill this requirement</li> <li>Create your first college <b>resume</b></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a></li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <b>student club or organization</b></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		



Term 2 - B 25.25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 3 - A 31.25 - 40.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 COM 100: Introduction to Human Communication (SB)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Attend <b>W. P. Carey and ASU Career Fairs</b></li> </ul>

Term 3 - B 40.25 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 AND ECN 212.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your <b>professional online presence</b></li> </ul>

Term 4 - A 46.50 - 55.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 230: Small Group Communication (SB)	3	C	
 ECN 221: Business Statistics (CS)	3	C	
Elective	3		
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>• Attend <b>W. P. Carey and ASU career fairs</b></li> <li>• Apply for <b>internships</b> or <b>create one</b></li> </ul>

Term 4 - B 55.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 62.50 - 68.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 COM 259: Communication in Business and the Professions	3	C	
MKT 300: Marketing and Business Performance	3	C	
			<ul style="list-style-type: none"> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>

WPC 348: Junior Networking Foundations 0.25 C

Term hours subtotal: 6.25

Term 5 - B 68.75 - 77.75 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
MGT 300: Organization and Management Leadership	3	C	
Upper Division Elective	3		
Term hours subtotal:	9		

Term 6 - A 77.75 - 83.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 312: Communication, Conflict, and Negotiation	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
SCM 300: Global Supply Operations	3	C	
Term hours subtotal:	6		

Term 6 - B 83.75 - 92.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
COM 400: Communication in Professions (HU & C)	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 92.75 - 99.75 Credit Hours	Hours	Minimum Grade	Notes
FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 7 - B 99.75 - 107.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 430: Leadership in Group Communication	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division Elective	2		
Term hours subtotal:	8		

Term 8 - A 107.75 - 114.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 453: Communication Training and Development	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	6.25		

Term 8 - B 114.00 - 120.00 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	3		



Term hours subtotal: 6

Hide Course List(s)/Track Group(s)

Quantitative Course	Upper Division International Business Course-select one course (3 credit hours)	Business Skills Courses - No Grades of D or E
ACO 100: All About Data: Design, Query, and Visualization (CS)	AGB 302: International Management and Agribusiness (G)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
EDS 223: Design Thinking	ECN 306: Survey of International Economics (SB & G)	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	MGT 302: Principles of International Business (G)	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
	MKT 425: Global Marketing Management (G)	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
	SCM 463: Global Supply Chain Management (G)	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
		ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
		MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
		MAT 211: Mathematics for Business Analysis or Quantitative Course

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Corporate Accounting), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSCABA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ACC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Elective	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions 3

ECN 211: Macroeconomic Principles (SB) 3 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

ECN 212: Microeconomic Principles (SB) 3 C

PSY course (SB) 3

Term hours subtotal: 9

- Explore career resources.
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management 0.25 C

Cultural Diversity in the U.S. (C) 3

Business Skills Courses: No Grades of D or E

Complete ECN 211 AND ECN 212.

Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 6.25

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Develop your professional online presence

Term 4 - A 46.50 - 55.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ECN 221: Business Statistics (CS) 3 C

Humanities, Arts and Design (HU) 3

Historical Awareness (H) 3

Term hours subtotal: 9

- Attend W. P. Carey and ASU Career Fairs
- Apply for internships or create one

Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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Literacy and Critical Inquiry (L) 3

Natural Science - Quantitative (SQ) 4

Business Skills Courses: No Grades of D or E

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 7

- If COM 259 was completed instead of COM 225 in Term 4-A, students will need to take a Literacy and Critical Inquiry (L) course to satisfy the General Studies university requirement.

Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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ACC 310: Intermediate Accounting for Corporate Accountants 3 C

SCM 300: Global Supply Operations 3 C

WPC 348: Junior Networking Foundations 0.25 C

Academic Catalog Archive 2021-2022

Term hours subtotal: 6.25

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

<b>Term 5 - B 68.75 - 77.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ ACC 320: Management Accounting for Corporate Accountants I	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

<b>Term 6 - A 77.75 - 86.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ ACC 354: Governance, Risk, Compliance Internal Controls and Ethics	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
Term hours subtotal:	9		

- Complete **informational interviews**

<b>Term 6 - B 86.75 - 92.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ ACC 410: Financial Statement Analysis	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

<b>Term 7 - A 92.75 - 98.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ ACC 420: Management Accounting for Corporate Accountants II	3	C	
FIN 300: Fundamentals of Finance	3	C	
Term hours subtotal:	6		

- Attend **W. P. Carey and ASU Career Fairs**

<b>Term 7 - B 98.75 - 105.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ ACC 454: Taxes for Corporate Accountants	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

- Gather **professional references**
- Update your **resume**

<b>Term 8 - A 105.75 - 112.00 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ WPC 448: Senior Career Transition Management	0.25	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	6.25		

- Apply for **full-time career opportunities**

Term 8 - B 112.00 - 120.00 Credit Hours	Hours	Minimum Grade	Notes
MGT 300: Organization and Management Leadership	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	2		
Term hours subtotal:	8		

Hide Course List(s)/Track Group(s)

Quantitative Course	Upper Division International Business Course - select one course (3 credit hours)	Business Skills Courses - No Grades of D or E
ACO 100: All About Data: Design, Query, and Visualization (CS)	AGB 302: International Management and Agribusiness (G)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
EDS 223: Design Thinking	ECN 306: Survey of International Economics (SB & G)	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	MGT 302: Principles of International Business (G)	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
	MKT 425: Global Marketing Management (G)	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
	SCM 463: Global Supply Chain Management (G)	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
		ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
		MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
		MAT 211: Mathematics for Business Analysis or Quantitative Course

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map







### Business (Financial Planning), BA

School/College: W. P. Carey School of Business

Location: Tempe campus





BABUSFPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		






Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			







Term hours subtotal: 15.25

Term 3 31.25 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
PSY course (SB)	3		
General Studies Elective	3		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			




Term hours subtotal: 15.25

Term 4 46.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU</a> career fairs</li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
General Studies Elective	3		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>
 FIN 380: Personal Financial Management	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
 Complete ACC 241 with a grade of "C" or better.			

Term hours subtotal: 15.25

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FIN 385: Personal Insurance Planning	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
 FIN 386: Estate Planning Strategies	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	

Humanities, Arts and Design (HU) 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 92.75 - 106.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACC 435: Personal Tax Management and Planning	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> </ul>
★ FIN 420: Personal Portfolio Management	3	C	
MGT 300: Organization and Management Leadership	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	2		
Term hours subtotal:	14		

Term 8 106.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 460: Personal Finance Cases and Modeling	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
WPC 484: Internships & Applied Academics OR Upper Division Elective	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	13.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	Quantitative Course	General Studies Electives
AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)	ASL 101: American Sign Language I
ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking	ASL 102: American Sign Language II
MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	ASL 201: American Sign Language III
MKT 425: Global Marketing Management (G)		ASL 202: American Sign Language IV
SCM 463: Global Supply Chain Management (G)		BIO 320: Fundamentals of Ecology
		CHI 110: Intensive Chinese I
		CHI 205: Chinese Calligraphy
		COM 207: Introduction to Communication Inquiry
		COM 259: Communication in Business and the Professions
		COM 281: Communication Activities

COM 312: Communication, Conflict, and Negotiation

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

GCU 433: Geography of Southeast Asia

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

JPN 110: Intensive Japanese I

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Studies Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

Business Skills Courses - No Grades of D or E

ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting

ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting

CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)

MAT 372: Advanced Calculus II	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
MAT 410: Introduction to General Topology	
MAT 415: Introduction to Combinatorics	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
MAT 416: Graph Theory	
MAT 442: Advanced Linear Algebra	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MAT 443: Introduction to Abstract Algebra	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MAT 444: Intermediate Abstract Algebra	
MAT 445: Theory of Numbers	MAT 211: Mathematics for Business Analysis or Quantitative Course
MAT 460: Vector Calculus	
MAT 461: Applied Complex Analysis	
MAT 462: Applied Partial Differential Equations	
MAT 472: Intermediate Real Analysis I	
MAT 475: Differential Equations	
MAT 485: History of Mathematics	
ROM 101: Elementary Romanian Language and Culture I	
ROM 201: Intermediate Romanian	
ROM 313: Romanian Composition and Conversation	
ROM 314: Romanian Composition and Conversation	
RUS 101: Elementary Russian I	
RUS 102: Elementary Russian II	
SPA 101: Elementary Spanish I	
SPA 102: Elementary Spanish II	
SPA 111: Fundamentals of Spanish	
SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa</i> y <i>Lala</i>	
UNI 110: Critical Reading and Thinking	
WPC 150: Business and Society	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Financial Planning), BA

School/College: W. P. Carey School of Business

Location: Online, ASU Local@Los Angeles

BABUSFPBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions 3

ECN 211: Macroeconomic Principles (SB) 3 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

ECN 212: Microeconomic Principles (SB) 3 C

PSY course (SB) 3

Term hours subtotal: 9

- Explore career resources.
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management 0.25 C

Humanities, Arts and Design (HU) 3

Business Skills Courses: No Grades of D or E

Complete ECN 211 AND ECN 212.

Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 6.25

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Develop your professional online presence

Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ECN 221: Business Statistics (CS) 3 C

Natural Science - Quantitative (SQ) 4

Term hours subtotal: 7

- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

Term 4 - B 53.50 - 60.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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Cultural Diversity in the U.S. (C) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Business Skills Courses: No Grades of D or E

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 7

Term 5 - A 60.50 - 66.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ FIN 300: Fundamentals of Finance 3 C

ENG 302: Business Writing (L) 3

WPC 348: Junior Networking Foundations 0.25 C

- Meet with your W. P. Carey Career Coach
- Update your resume

Term hours subtotal: 6.25

<b>Term 5 - B 66.75 - 75.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ FIN 380: Personal Financial Management	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
SCM 300: Global Supply Operations	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		

<b>Term 6 - A 75.75 - 81.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ FIN 385: Personal Insurance Planning	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
MKT 300: Marketing and Business Performance	3	C	
Term hours subtotal:	6		

<b>Term 6 - B 81.75 - 90.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ FIN 386: Estate Planning Strategies	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

<b>Term 7 - A 90.75 - 96.75 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

<b>Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ FIN 420: Personal Portfolio Management	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
General Studies Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	9		

<b>Term 8 - A 105.75 - 112.00 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ ACC 435: Personal Tax Management and Planning	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective OR WPC 484: Internships & Applied Academics	3		
Term hours subtotal:	6.25		

<b>Term 8 - B 112.00 - 120.00 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ FIN 460: Personal Finance Cases and Modeling	3	C	



General Studies Elective	3
Upper Division Elective	2
Term hours subtotal:	8

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Students cannot share Upper Division International Business Elective with concentration course requirements.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	Quantitative Course
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	ACO 100: All About Data: Design, Query, and Visualization (CS)
ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry	EDS 223: Design Thinking
MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation	
SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication	
	COM 430: Leadership in Group Communication	
	COM 453: Communication Training and Development	
	ENG 210: Introduction to Creative Writing	
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	
	FAS 301: Introduction to Parenting	
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	ROM 101: Elementary Romanian Language and Culture I	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	
	WPC 150: Business and Society	
Business Skills Courses - No Grades of D or E		
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting		

ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

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CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

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ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis  
or Quantitative Course

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Food Industry Management), BA






School/College: W. P. Carey School of Business





Location: Polytechnic campus



BABUSFIMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
AGB 100: Introduction to Agribusiness	3	C	
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
AGB 250: Economics of Resource Allocation: Food and Agriculture	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> <li>Meet with your <a href="#">academic advisor</a> to discuss your internship course options</li> </ul>	
 MKT 300: Marketing and Business Performance	3	C		
ENG 302: Business Writing (L)	3			
SCM 300: Global Supply Operations	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Humanities, Arts and Design (HU)	3			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:		15.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AGB 420: Food Advertising and Promotion	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> </ul>

★ AGB 425: Food Supply Networks	3	C
MGT 300: Organization and Management Leadership	3	C
Upper Division International Business Course AND Global Awareness (G) ( AGB 302 recommended)	3	C
Literacy and Critical Inquiry (L)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

★ Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ AGB 435: Commodity Futures and Options Markets	3	C
★ AGB 456: Food Product Innovation and Development	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
Upper Division General Studies Elective	2	
Upper Division Elective OR AGB 484: Internship OR WPC 484: Internship	3	
Term hours subtotal:	14	

- Attend **W. P. Carey and ASU Career Fairs**
- Gather **professional references**
- Update your **resume**
- Meet with your academic advisor to discuss your internship course options

★ Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ AGB 445: Food Retailing	3	C
★ AGB 481: Strategic Pricing in Food Markets	3	C
LES 305: Business Law and Ethics for Managers	3	C
WPC 448: Senior Career Transition Management	0.25	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	12.25	

- Apply for **full-time career opportunities**

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra
	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I

COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
COM 281: Communication Activities	MAT 410: Introduction to General Topology
COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics
COM 341: Social Contexts for Performance	MAT 416: Graph Theory
COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra
COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra
COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra
COM 465: Intercultural Communication Workshop	MAT 445: Theory of Numbers
ENG 210: Introduction to Creative Writing	MAT 460: Vector Calculus
ENG 213: Introduction to the Study of Language	MAT 461: Applied Complex Analysis
ENG 310: Intermediate Creative Writing	MAT 462: Applied Partial Differential Equations
ENG 314: Modern Grammar	MAT 472: Intermediate Real Analysis I
ENG 345: Selected Authors or Issues	MAT 475: Differential Equations
FAS 301: Introduction to Parenting	MAT 485: History of Mathematics
GCU 433: Geography of Southeast Asia	ROM 101: Elementary Romanian Language and Culture I
GRK 101: Elementary Ancient Greek	ROM 201: Intermediate Romanian Language and Culture I
GRK 201: Intermediate Ancient Greek	ROM 313: Romanian Composition and Conversation
HST 389: Japan Society and Values/Premod	ROM 314: Romanian Composition and Conversation
JPN 110: Intensive Japanese I	RUS 101: Elementary Russian I
IDN 101: Elementary Indonesian I	RUS 102: Elementary Russian II
IDN 102: Elementary Indonesian II	SPA 101: Elementary Spanish I
JPN 206: Japanese Calligraphy	SPA 102: Elementary Spanish II
JPN 414: Introduction to Classical Japanese	SPA 111: Fundamentals of Spanish
KOR 101: First-Year Korean I	SPA 486: Chicano/a Novel: <i>Áltimea</i> , <i>Rafa y Lala</i>
KOR 102: First-Year Korean II	UNI 110: Critical Reading and Thinking
	WPC 150: Business and Society

<b>Quantitative Course</b>
ACO 100: All About Data: Design, Query, and Visualization (CS)
EDS 223: Design Thinking
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)

<b>Business Skills Courses - No Grades of D or E</b>
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting

ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

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CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

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ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis  
or Quantitative Course

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Food Industry Management), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSFIMBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific First Year Seminar is required for all first-year students. W. P. Carey students take WPC 101 to fulfill this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes



COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions 3

ECN 211: Macroeconomic Principles (SB) 3 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

PSY course (SB) 3

Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 9

- Explore career resources.
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

Term 3 - B 40.25 - 47.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ECN 212: Microeconomic Principles (SB) 3 C

WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management 0.25 C

Natural Science - Quantitative (SQ) 4

Business Skills Courses: No Grades of D or E

Complete ECN 211 AND ECN 212 course(s).

Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 7.25

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Develop your professional online presence

Term 4 - A 47.50 - 53.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ECN 221: Business Statistics (CS) 3 C

AGB 250: Economics of Resource Allocation: Food and Agriculture 3 C

Term hours subtotal: 6

- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

Term 4 - B 53.50 - 60.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Business Skills Courses: No Grades of D or E

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 7

Term 5 - A 60.50 - 66.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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MKT 300: Marketing and Business Performance 3 C

SCM 300: Global Supply Operations 3 C

WPC 348: Junior Networking Foundations 0.25 C

- Meet with your W. P. Carey Career Coach
- Update your resume

Term hours subtotal: 6.25

<b>Term 5 - B 66.75 - 75.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
ENG 302: Business Writing (L)	3		
Elective	3		
Term hours subtotal:	9		

<b>Term 6 - A 75.75 - 80.75 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
WPC 300: Problem Solving and Actionable Analytics	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
Upper Division General Studies Elective	2		
Term hours subtotal:	5		

<b>Term 6 - B 80.75 - 89.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ AGB 420: Food Advertising and Promotion	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
★ FIN 300: Fundamentals of Finance	3	C	
★ Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

<b>Term 7 - A 89.75 - 98.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ AGB 456: Food Product Innovation and Development	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

<b>Term 7 - B 98.75 - 104.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ AGB 435: Commodity Futures and Options Markets	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Term hours subtotal:	6		

<b>Term 8 - A 104.75 - 114.00 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ AGB 445: Food Retailing	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
★ AGB 481: Strategic Pricing in Food Markets	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	9.25		

<b>Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ AGB 425: Food Supply Networks	3	C	

Upper Division Elective OR AGB 484: Internship OR WPC 484: Internship	3
Term hours subtotal:	6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Uper Division International Business Course- select one course (3 credit hours)	General Education Electives	Quantitative Course
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	ACO 100: All About Data: Design, Query, and Visualization (CS)
ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry	EDS 223: Design Thinking
MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation	
SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication	
	COM 430: Leadership in Group Communication	
	COM 453: Communication Training and Development	
	ENG 210: Introduction to Creative Writing	
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	
	FAS 301: Introduction to Parenting	
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	ROM 101: Elementary Romanian Language and Culture I	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	
	WPC 150: Business and Society	
<b>Business Skills Courses - No Grades of D or E</b>		
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting		

ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

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CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

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ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis  
or Quantitative Course

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Global Agribusiness), BA






School/College: W. P. Carey School of Business




Location: Polytechnic campus

BABUSGAGBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
AGB 100: Introduction to Agribusiness	3	C	
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
AGB 250: Economics of Resource Allocation: Food and Agriculture	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 5 62.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>	
ENG 302: Business Writing (L)	3			
MKT 300: Marketing and Business Performance	3	C		
SCM 300: Global Supply Operations	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:		16.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AGB 321: Agribusiness Marketing	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
 BUS 434: Business Risk Management OR AGB 333: Agribusiness Finance	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	

Upper Division International Business Course AND Global Awareness (G) ( AGB 302 recommended)	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 410: Agribusiness Management	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> </ul>
★ AGB 435: Commodity Futures and Options Markets	3	C	
★ AGB 452: Global Food and Agricultural Trade	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Elective	2		
Term hours subtotal:	14		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 414: Food and Agribusiness Policy Issues (L)	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
MGT 300: Organization and Management Leadership	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division General Studies Elective	3		
Elective OR AGB 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra
	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
	COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
		MAT 410: Introduction to General Topology

COM 281: Communication Activities	MAT 415: Introduction to Combinatorics
COM 312: Communication, Conflict, and Negotiation	MAT 416: Graph Theory
COM 341: Social Contexts for Performance	MAT 442: Advanced Linear Algebra
COM 414: Crisis Communication	MAT 443: Introduction to Abstract Algebra
COM 430: Leadership in Group Communication	MAT 444: Intermediate Abstract Algebra
COM 453: Communication Training and Development	MAT 445: Theory of Numbers
COM 465: Intercultural Communication Workshop	MAT 460: Vector Calculus
ENG 210: Introduction to Creative Writing	MAT 461: Applied Complex Analysis
ENG 213: Introduction to the Study of Language	MAT 462: Applied Partial Differential Equations
ENG 310: Intermediate Creative Writing	MAT 472: Intermediate Real Analysis I
ENG 314: Modern Grammar	MAT 475: Differential Equations
ENG 345: Selected Authors or Issues	MAT 485: History of Mathematics
FAS 301: Introduction to Parenting	ROM 101: Elementary Romanian Language and Culture I
GCU 433: Geography of Southeast Asia	ROM 201: Intermediate Romanian Language and Culture I
GRK 101: Elementary Ancient Greek	ROM 313: Romanian Composition and Conversation
GRK 201: Intermediate Ancient Greek	ROM 314: Romanian Composition and Conversation
HST 389: Japan Society and Values/Premod	RUS 101: Elementary Russian I
JPN 110: Intensive Japanese I	RUS 102: Elementary Russian II
IDN 101: Elementary Indonesian I	SPA 101: Elementary Spanish I
IDN 102: Elementary Indonesian II	SPA 102: Elementary Spanish II
JPN 206: Japanese Calligraphy	SPA 111: Fundamentals of Spanish
JPN 414: Introduction to Classical Japanese	SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa y Lala</i>
KOR 101: First-Year Korean I	UNI 110: Critical Reading and Thinking
KOR 102: First-Year Korean II	WPC 150: Business and Society

<b>Quantitative Course</b>
ACO 100: All About Data: Design, Query, and Visualization (CS)
EDS 223: Design Thinking
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)

<b>Business Skills Courses - No Grades of D or E</b>
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
CIS 105: Computer Applications and Information Technology (CS) or CIS 236:



Honors Introduction to Information Systems  
(CS)

ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

MAT 211: Mathematics for Business Analysis  
or Quantitative Course

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map





### Business (Global Leadership), BA



School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSGBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-year student registration information <a href="#">here</a></li> <li>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>• Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>• Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>• Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9.25		

Term 2 - B 25.25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions 3

ECN 211: Macroeconomic Principles (SB) 3 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

PSY course (SB) 3

Humanities, Arts and Design (HU) 3

Term hours subtotal: 9

- Explore career resources.
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

ECN 212: Microeconomic Principles (SB) 3 C

WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management 0.25 C

Business Skills Courses: No Grades of D or E

Complete ECN 211 AND ECN 212.

Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 6.25

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Develop your professional online presence

Term 4 - A 46.50 - 52.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ECN 221: Business Statistics (CS) 3 C

Literacy and Critical Inquiry (L) 3

Term hours subtotal: 6

- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

Term 4 - B 52.50 - 59.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ) 4

Elective 3

Business Skills Courses: No Grades of D or E

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 7

Term 5 - A 59.50 - 65.75 Credit Hours	Hours	Minimum Grade	Notes
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MKT 300: Marketing and Business Performance 3 C

SCM 300: Global Supply Operations 3 C

WPC 348: Junior Networking Foundations 0.25 C

Term hours subtotal: 6.25

- Meet with your W. P. Carey Career Coach
- Update your resume

<b>Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
ENG 302: Business Writing (L)	3		
Elective	3		
Term hours subtotal:	9		
<b>Term 6 - A 74.75 - 80.75 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
POS 486: International Political Economy (SB & G) OR POS 350: Comparative Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview</li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		
<b>Term 6 - B 80.75 - 88.75 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ Upper Division International Business Course AND Global Awareness (G)	3	C	<ul style="list-style-type: none"> <li>Cannot share Upper Division International Business Elective with concentration course requirements.</li> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
Upper Division Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	8		
<b>Term 7 - A 88.75 - 95.75 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Upper Division Global Leadership Elective	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		
<b>Term 7 - B 95.75 - 104.75 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ MGT 411: Leading Organizations	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	9		
<b>Term 8 - A 104.75 - 111.00 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ MGT 430: Negotiations OR SCM 463: Global Supply Chain Management (G)	3	C	<ul style="list-style-type: none"> <li>SCM 463 cannot count as both International Business course requirement and major course. If SCM 463 is taken here, select another course to fulfill International Business course requirement.</li> <li>Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Global Leadership Elective	3	C	
Term hours subtotal:	6.25		
<b>Term 8 - B 111.00 - 120.00 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ MGT 400: Cross-Cultural Management (C & G)	3	C	
General Studies Elective	3		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

## Hide Course List(s)/Track Group(s)

Global Leadership Electives - select two courses (6 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	Quantitative Course
AGB 302: International Management and Agribusiness (G)	AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)
ECN 306: Survey of International Economics (SB & G)	ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking
HST 327: Women in U.S. History, 1600 to 1880 (HU or SB) & C & H)	MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
JUS 350: Immigration and Justice (SB & C)	MKT 425: Global Marketing Management (G)	
MGT 302: Principles of International Business (G)	SCM 463: Global Supply Chain Management (G)	
MKT 425: Global Marketing Management (G)		
POS 350: Comparative Politics (SB & G)		
POS 360: World Politics (SB & G)		
POS 486: International Political Economy (SB & G)		
SCM 463: Global Supply Chain Management (G)		
SOC 352: Social Change (SB & G & H)		
General Studies Electives	Business Skills Courses - No Grades of D or E	
BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	
COM 207: Introduction to Communication Inquiry		
COM 259: Communication in Business and the Professions	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	
COM 312: Communication, Conflict, and Negotiation		
COM 414: Crisis Communication	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)	
COM 430: Leadership in Group Communication		
COM 453: Communication Training and Development	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	
ENG 210: Introduction to Creative Writing		

ENG 310: Intermediate Creative Writing	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
ENG 345: Selected Authors or Issues	
FAS 301: Introduction to Parenting	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MAT 242: Elementary Linear Algebra	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MAT 243: Discrete Mathematical Structures	
ROM 101: Elementary Romanian Language and Culture I	MAT 211: Mathematics for Business Analysis or Quantitative Course
SPA 101: Elementary Spanish I	
SPA 102: Elementary Spanish II	
WPC 150: Business and Society	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Global Logistics Management), BA






School/College: W. P. Carey School of Business




Location: West campus



BABUSGLBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3	C	
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a "C" or better.			
 Complete ECN 221 with a "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 SCM 300: Global Supply Operations	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>	
ENG 302: Business Writing (L)	3			
FIN 300: Fundamentals of Finance	3	C		
MKT 300: Marketing and Business Performance	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Humanities, Arts and Design (HU)	3			
 Complete ACC 241 with a "C" or better.				
Term hours subtotal:		15.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 354: Procurement of Services	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> <li>Complete <a href="#">informational interviews</a></li> </ul>
MGT 300: Organization and Management Leadership	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	



General Studies Elective	3
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).	
Term hours subtotal:	15

Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 314: Analytics for Logistics	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
★ SCM 344: Applied Logistics Management	3	C	
★ SCM 385: Business and Sustainability I	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Elective	2		
Term hours subtotal:	14		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
★ SCM 445: Advanced Logistics Management	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra
	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
	COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
		MAT 410: Introduction to General Topology
		MAT 415: Introduction to Combinatorics

COM 281: Communication Activities	MAT 416: Graph Theory
COM 312: Communication, Conflict, and Negotiation	MAT 442: Advanced Linear Algebra
COM 341: Social Contexts for Performance	MAT 443: Introduction to Abstract Algebra
COM 414: Crisis Communication	MAT 444: Intermediate Abstract Algebra
COM 430: Leadership in Group Communication	MAT 445: Theory of Numbers
COM 453: Communication Training and Development	MAT 460: Vector Calculus
COM 465: Intercultural Communication Workshop	MAT 461: Applied Complex Analysis
ENG 210: Introduction to Creative Writing	MAT 462: Applied Partial Differential Equations
ENG 213: Introduction to the Study of Language	MAT 472: Intermediate Real Analysis I
ENG 310: Intermediate Creative Writing	MAT 475: Differential Equations
ENG 314: Modern Grammar	MAT 485: History of Mathematics
ENG 345: Selected Authors or Issues	ROM 101: Elementary Romanian Language and Culture I
FAS 301: Introduction to Parenting	ROM 201: Intermediate Romanian Language and Culture I
GCU 433: Geography of Southeast Asia	ROM 313: Romanian Composition and Conversation
GRK 101: Elementary Ancient Greek	ROM 314: Romanian Composition and Conversation
GRK 201: Intermediate Ancient Greek	RUS 101: Elementary Russian I
HST 389: Japan Society and Values/Premod	RUS 102: Elementary Russian II
JPN 110: Intensive Japanese I	SPA 101: Elementary Spanish I
IDN 101: Elementary Indonesian I	SPA 102: Elementary Spanish II
IDN 102: Elementary Indonesian II	SPA 111: Fundamentals of Spanish
JPN 206: Japanese Calligraphy	SPA 486: Chicano/a Novel: <i>Áltime</i> , <i>Rafa y Lala</i>
JPN 414: Introduction to Classical Japanese	UNI 110: Critical Reading and Thinking
KOR 101: First-Year Korean I	WPC 150: Business and Society
KOR 102: First-Year Korean II	
<b>Business Skills Courses - No Grades of D or E</b>	<b>Quantitative Course</b>
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	ACO 100: All About Data: Design, Query, and Visualization (CS)
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	EDS 223: Design Thinking
	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)

CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)

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ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis or Quantitative Course

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Business (Global Logistics Management), BA

School/College: [W. P. Carey School of Business](#)

Location:

BABUSGLBA











and

International







Trade, BS




[Thunderbird School of Global Management](#)





TBINTRABS







Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent</li> <li>First-Year Seminar required of all first-year students.</li> <li>Create a first draft <a href="#">resume</a>.</li> <li>Create your <a href="#">LinkedIn profile</a>.</li> <li>Create your <a href="#">Handshake profile</a>.</li> </ul>
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
 TGM 101: Principles of Global Management (G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TGM 191: First-Year Seminar OR WPC 101: Student Success in Business	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Business Skills Courses: No Grades of D or E			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>Join a <a href="#">student club</a> or professional organization.</li> <li>Secure a <a href="#">part-time job</a> or a <a href="#">volunteer experience</a>.</li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
COM 225: Public Speaking (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Term hours subtotal: 15.25

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> </ul>
 ECN 212: Microeconomic Principles (SB)	3	C	
 ECN 221: Business Statistics (CS)	3	C	
TGM 204: Principles of Marketing for Global Organizations OR MKT 300: Marketing and Business Performance	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25		

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Be sure to take upcoming SCM courses in the term indicated, due to limited section availability on West campus.</li> <li>• To register for LES 305, a minimum 2.50 GPA is required.</li> </ul>
ECN 306: Survey of International Economics (SB & G)	3	C	
MGT 300: Organization and Management Leadership	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
 Business Skills Courses: No Grades of D or E			
Term hours subtotal:	15		

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 300: Global Supply Operations OR TGM 310: Supply Chain Operations for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• Work with your advisor to start planning your required <b>internship experience</b>.</li> </ul>
 TGM 312: Big Data in the Global Economy	3	C	
 TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	15.25		

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FIN 300: Fundamentals of Finance OR TGM 300: Principles of Finance for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• TGM 484: Internship (minimum of 3 credit hours) suggested during summer term or Term 7. Work with your advisor to start planning your required <b>internship experience</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 SCM 314: Analytics for Logistics	3	C	
 SCM 354: Procurement of Services	3	C	
 TGM 353: Regional Management Environment (G)	3	C	
 TGM 430: International Trade and Regional Economic Agreements	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 344: Applied Logistics Management	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
★ SCM 385: Business and Sustainability I	3	C	
★ TGM 484: Internship	3	C	
★ TGM 489: Multinational Organizational Leadership	3	C	
MGT 411: Leading Organizations	3	C	
Term hours subtotal:	15		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 445: Advanced Logistics Management	3	C	
★ TGM 460: Global Risk Assessment and Management	3	C	
★ TGM 498: Pro-Seminar (L)	3	C	
TGM 478: Cross-Cultural Communication and Negotiation	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Term hours subtotal:	12.25		

Hide Course List(s)/Track Group(s)

Business Skills Courses - No Grades of D or E	Quantitative Course
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	ACO 100: All About Data: Design, Query, and Visualization (CS)
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	EDS 223: Design Thinking
CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	
ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)	
ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)	
MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)	

MAT 211: Mathematics for Business Analysis  
or Quantitative Course

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Global Logistics Management), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSGLBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes



COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions 3

ECN 211: Macroeconomic Principles (SB) 3 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

**Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by**

Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

ECN 212: Microeconomic Principles (SB) 3 C

PSY course (SB) 3

Term hours subtotal: 9

- Explore career resources.
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

**Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by**

Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management 0.25 C

Elective 3

Business Skills Courses: No Grades of D or E

Complete ECN 211 AND ECN 212.

Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 6.25

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Develop your professional online presence

**Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by**

Hours	Minimum Grade	Notes
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ECN 221: Business Statistics (CS) 3 C

Natural Science - Quantitative (SQ) 4

Term hours subtotal: 7

- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

**Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by**

Hours	Minimum Grade	Notes
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General Studies Elective 3

Cultural Diversity in the U.S. (C) 3

Business Skills Courses: No Grades of D or E

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

**Term 5 - A 59.50 - 65.75 Credit Hours Necessary course signified by**

Hours	Minimum Grade	Notes
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SCM 300: Global Supply Operations 3 C

MKT 300: Marketing and Business Performance 3 C

WPC 348: Junior Networking Foundations 0.25 C

Term hours subtotal: 6.25

- Meet with your W. P. Carey Career Coach
- Update your resume

<b>Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		
<b>Term 6 - A 74.75 - 81.75 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ SCM 354: Procurement of Services	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		
<b>Term 6 - B 81.75 - 90.75 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
Upper Division International Business Course AND Global Awareness (G)	3	C	
Lower Division Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		
<b>Term 7 - A 90.75 - 96.75 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ SCM 314: Analytics for Logistics	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
★ SCM 385: Business and Sustainability I	3	C	
Term hours subtotal:	6		
<b>Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ MGT 411: Leading Organizations	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
★ SCM 344: Applied Logistics Management	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Term hours subtotal:	9		
<b>Term 8 - A 105.75 - 114.00 Credit Hours Necessary course signified by ★</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ SCM 445: Advanced Logistics Management	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	2		
Term hours subtotal:	8.25		
<b>Term 8 - B 114.00 - 120.00 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Literacy and Critical Inquiry (L)	3		

Upper Division Humanities, Arts and Design (HU) OR Upper Division  
Social-Behavioral Sciences (SB) 3

Term hours subtotal: 6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Students cannot share Upper Division International Business Elective with concentration course requirements.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	Quantitative Course
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	ACO 100: All About Data: Design, Query, and Visualization (CS)
ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry	EDS 223: Design Thinking
MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation	
SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication	
	COM 430: Leadership in Group Communication	
	COM 453: Communication Training and Development	
	ENG 210: Introduction to Creative Writing	
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	
	FAS 301: Introduction to Parenting	
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	ROM 101: Elementary Romanian Language and Culture I	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	
	WPC 150: Business and Society	
<b>Business Skills Courses - No Grades of D or E</b>		
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting		

ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

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CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

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ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis  
or Quantitative Course

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Global Politics), BA






School/College: W. P. Carey School of Business




Location: Tempe campus




BABUSGPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit..</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Global Politics Concentration Course - Comparative Politics	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	2		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Global Politics Concentration Course - Global Issues and Problems	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>
ENG 302: Business Writing (L)	3		
FIN 300: Fundamentals of Finance	3	C	
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Upper Division Elective	3		
 Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Global Politics Concentration Course - World Politics	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
 POS 350: Comparative Politics (SB & G)	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	

Upper Division International Business Course AND Global Awareness (G)	3	C
Upper Division Elective OR POS 484: Internship OR WPC 484: Internship	3	
Term hours subtotal: 15		

- Meet with your academic advisor to discuss your internship course options

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

<b>Term 7 92.75 - 107.75 Credit Hours Necessary course signified by</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ POS 360: World Politics (SB & G)	3	C
SCM 300: Global Supply Operations	3	C
MGT 300: Organization and Management Leadership	3	C
Cultural Diversity in the U.S. (C)	3	
Upper Division Elective OR POS 484: Internship OR WPC 484: Internship	3	
Term hours subtotal: 15		

- Attend *W. P. Carey* and ASU Career Fairs
- Gather *professional references*
- Update your *resume*
- Meet with your academic advisor to discuss your internship course options

<b>Term 8 107.75 - 120.00 Credit Hours Necessary course signified by</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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★ Upper Division Global Politics Concentration Course - Global Issues and Problems	3	C
LES 305: Business Law and Ethics for Managers	3	C
WPC 448: Senior Career Transition Management	0.25	C
Literacy and Critical Inquiry (L)	3	
Upper Division Elective OR POS 484: Internship OR WPC 484: Internship	3	
Term hours subtotal: 12.25		

- Apply for *full-time career opportunities*
- Meet with your academic advisor to discuss your internship course options

Hide Course List(s)/Track Group(s)

<p>Global Politics Concentration (Comparative Politics) - select one course (3 credit hours)</p> <p>CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty</p> <p>CEL 494: Political Leadership and Statesmanship</p> <p>POS 150: Comparative Government (SB &amp; G)</p> <p>POS 210: Political Ideologies (SB)</p> <p>POS 341: History of Political Philosophy II (HU &amp; H)</p> <p>POS 352: European Democracies</p> <p>POS 452: China (SB &amp; G)</p> <p>POS 453: Latin America (SB &amp; G)</p> <p>POS 358: Southeast Asia (SB &amp; G)</p>	<p>Quantitative Course</p> <p>ACO 100: All About Data: Design, Query, and Visualization (CS)</p> <p>EDS 223: Design Thinking</p> <p>EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)</p>	<p>Global Politics Concentration (Global Issues and Problems) - select two courses (6 credit hours)</p> <p>CEL 394: Left and Right Around the World</p> <p>CEL 494: Political Thought: Islam, Hinduism, Confucianism</p> <p>POS 351: Democratization (SB &amp; G)</p> <p>POS 361: American Foreign Policy (SB &amp; G)</p> <p>POS 364: National Security, Intelligence, and Terrorism (SB)</p> <p>POS 367: World Politics and Global Inequalities (G)</p>
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POS 442: American Political Thought (HU)		
Global Politics Concentration (World Politics) - select one course (3 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	Business Skills Courses - No Grades of D or E
POS 300: Contemporary Global Controversies (SB & G)	AGB 302: International Management and Agribusiness (G)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
POS 346: Problems of Democracy (HU)	ECN 306: Survey of International Economics (SB & G)	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
POS 348: Do You Want to Build a Nation? (L)	MGT 302: Principles of International Business (G)	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
POS 443: Topics in Contemporary Political Theory (HU)	MKT 425: Global Marketing Management (G)	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
POS 470: Law and the Political Order (SB)	SCM 463: Global Supply Chain Management (G)	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
POS 475: Morality and Politics		ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
POS 486: International Political Economy (SB & G)		MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
SGS 101: Thinking Globally: The Individual and Authority (SB & G) or SGS 301: Principles of Global Studies (G)		MAT 211: Mathematics for Business Analysis or Quantitative Course
SGS 350: Economic Development and Globalization		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)



- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Health Care), BA






School/College: W. P. Carey School of Business





Location: West campus

BABUSHCBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3	C	
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 course(s) with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Choose one of the available five Health Care tracks and within that track, complete at least four courses (12 credit hours).</li> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>	
 SCM 300: Global Supply Operations	3	C		
ENG 302: Business Writing (L)	3			
MKT 300: Marketing and Business Performance	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Business Health Care Track Course	3	C		
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:		15.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ Upper Division Business Health Care Track Course	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
Upper Division General Studies Elective	3	
Upper Division International Business Elective AND Global Awareness (G)	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

★ Term 7 93.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ Upper Division Business Health Care Track Course	3	C
FIN 300: Fundamentals of Finance	3	C
LES 305: Business Law and Ethics for Managers	3	C
Upper Division Elective OR WPC 484: Internship	3	
Upper Division Elective	2	
Term hours subtotal:	14	

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 470
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume
- Meet with your academic advisor to discuss your internship course options

★ Term 8 107.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ WPC 470: Business Administration Capstone	3	C
WPC 448: Senior Career Transition Management	0.25	C
Upper Division Business Health Care Track Course	3	C
Humanities, Arts and Design (HU)	3	
Upper Division Elective	3	
Term hours subtotal:	12.25	

- Apply for full-time career opportunities

- W. P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, ECN, FIN, LES, MGT, MKT, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

Hide Course List(s)/Track Group(s)

Health Care Analytics - 4 courses (12 credit hours)	Health Care Community - 4 courses (12 credit hours)	Health Care Coordination - 4 courses (12 credit hours)
CIS 235: Introduction to Information Systems	HCR 231: Fundamentals of Community Health	HCR 302: Social Determinants of Health
CIS 308: Advanced Excel in Business		HCR 321: Advanced Concepts for Health Care Coordination

CIS 310: Business Data Visualization	HCR 335: Program Development and Management for Community Health	HCR 420: Professional Role Development: Health Care Coordination
CIS 405: Business Intelligence	HCR 430: Foundation to Health Care Systems	HCR 422: Policy and Financial Principles in Health Care Coordination
	HCR 435: Leaders in Community Health	
<b>Quantitative Course</b>	<b>Health Care Delivery - 4 courses (12 credit hours)</b>	<b>Health Care Innovation - 4 courses (12 credit hours)</b>
ACO 100: All About Data: Design, Query, and Visualization (CS)	HCD 302: Health Care Management	HCI 311: Health Innovation: Foundational Concepts
EDS 223: Design Thinking	HCD 303: Global Health Care Systems (G)	HCI 421: Health Care Policy: The Innovator's View
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	HCD 304: Health Care Finance	HCI 425: Facilitating Innovation to Achieve Outcomes
	HCD 330: Health Care Systems in the U.S.	HCI 428: Technology: A Tool to Advance Innovation in Health Care
	HCD 401: Leadership and Professionalism	
	HCD 402: Health Economics	
	HCD 403: Process Engineering	
<b>Upper Division International Business Course - one course (3 credit hours)</b>	<b>General Studies Electives</b>	<b>General Studies Electives Continued</b>
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra
	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
	COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
	COM 281: Communication Activities	MAT 410: Introduction to General Topology
	COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics
	COM 341: Social Contexts for Performance	MAT 416: Graph Theory
	COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra
	COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra
	COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra
	COM 465: Intercultural Communication Workshop	MAT 445: Theory of Numbers
	ENG 210: Introduction to Creative Writing	MAT 460: Vector Calculus
	ENG 213: Introduction to the Study of Language	MAT 461: Applied Complex Analysis
		MAT 462: Applied Partial Differential Equations
		MAT 472: Intermediate Real Analysis I
		MAT 475: Differential Equations

ENG 310: Intermediate Creative Writing	MAT 485: History of Mathematics
ENG 314: Modern Grammar	ROM 101: Elementary Romanian Language and Culture I
ENG 345: Selected Authors or Issues	ROM 201: Intermediate Romanian Language and Culture I
FAS 301: Introduction to Parenting	ROM 313: Romanian Composition and Conversation
GCU 433: Geography of Southeast Asia	ROM 314: Romanian Composition and Conversation
GRK 101: Elementary Ancient Greek	RUS 101: Elementary Russian I
GRK 201: Intermediate Ancient Greek	RUS 102: Elementary Russian II
HST 389: Japan Society and Values/Premod	SPA 101: Elementary Spanish I
JPN 110: Intensive Japanese I	SPA 102: Elementary Spanish II
IDN 101: Elementary Indonesian I	SPA 111: Fundamentals of Spanish
IDN 102: Elementary Indonesian II	SPA 486: Chicano/a Novel: <i>Áltima, Rafa y Lala</i>
JPN 206: Japanese Calligraphy	UNI 110: Critical Reading and Thinking
JPN 414: Introduction to Classical Japanese	WPC 150: Business and Society
KOR 101: First-Year Korean I	
KOR 102: First-Year Korean II	

**Business Skills Courses - No Grades of D or E**

ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting

ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting

CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)

ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)

ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)

ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)

MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)

MAT 211: Mathematics for Business Analysis or Quantitative Course

**Notes:**

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Human Resources), BA

School/College: W. P. Carey School of Business





Location: Polytechnic campus

BABUSHRBA






Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			






Term hours subtotal: 15.25

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
PSY course (SB)	3		
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			



Term hours subtotal: 16.25

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
General Studies Elective	3		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
Humanities, Arts and Design (HU)	3		
WPC 348: Junior Networking Foundations	0.25	C	
 Complete ACC 241 with a grade of "C" or better.			

Term hours subtotal: 15.25

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MGT 420: Human Resource Management	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	

Upper Division International Business Course AND Global Awareness (G)	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

★ Term 7 93.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MGT 421: Compensation in Organizations	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
★ MGT 423: Training and Development in Organizations	3	C	
★ MGT 425: Global Human Resources	3	C	
Upper Division Elective	2		
Upper Division Elective OR MGT 484: Internship	3		
Term hours subtotal:	14		

★ Term 8 107.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MGT 422: Staffing	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
★ MGT 424: Employment Law	3	C	
FIN 300: Fundamentals of Finance	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
General Studies Elective	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
SCM 463: Global Supply Chain Management (G)	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra
	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
	COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
		MAT 410: Introduction to General Topology

COM 281: Communication Activities	MAT 415: Introduction to Combinatorics
COM 312: Communication, Conflict, and Negotiation	MAT 416: Graph Theory
COM 341: Social Contexts for Performance	MAT 442: Advanced Linear Algebra
COM 414: Crisis Communication	MAT 443: Introduction to Abstract Algebra
COM 430: Leadership in Group Communication	MAT 444: Intermediate Abstract Algebra
COM 453: Communication Training and Development	MAT 445: Theory of Numbers
COM 465: Intercultural Communication Workshop	MAT 460: Vector Calculus
ENG 210: Introduction to Creative Writing	MAT 461: Applied Complex Analysis
ENG 213: Introduction to the Study of Language	MAT 462: Applied Partial Differential Equations
ENG 310: Intermediate Creative Writing	MAT 472: Intermediate Real Analysis I
ENG 314: Modern Grammar	MAT 475: Differential Equations
ENG 345: Selected Authors or Issues	MAT 485: History of Mathematics
FAS 301: Introduction to Parenting	ROM 101: Elementary Romanian Language and Culture I
GCU 433: Geography of Southeast Asia	ROM 201: Intermediate Romanian Language and Culture I
GRK 101: Elementary Ancient Greek	ROM 313: Romanian Composition and Conversation
GRK 201: Intermediate Ancient Greek	ROM 314: Romanian Composition and Conversation
HST 389: Japan Society and Values/Premod	RUS 101: Elementary Russian I
JPN 110: Intensive Japanese I	RUS 102: Elementary Russian II
IDN 101: Elementary Indonesian I	SPA 101: Elementary Spanish I
IDN 102: Elementary Indonesian II	SPA 102: Elementary Spanish II
JPN 206: Japanese Calligraphy	SPA 111: Fundamentals of Spanish
JPN 414: Introduction to Classical Japanese	SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa y Lala</i>
KOR 101: First-Year Korean I	UNI 110: Critical Reading and Thinking
KOR 102: First-Year Korean II	WPC 150: Business and Society

<b>Quantitative Course</b>
ACO 100: All About Data: Design, Query, and Visualization (CS)
EDS 223: Design Thinking
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)

<b>Business Skills Courses - No Grades of D or E</b>
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
CIS 105: Computer Applications and Information Technology (CS) or CIS 236:

Honors Introduction to Information Systems  
(CS)

ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

MAT 211: Mathematics for Business Analysis  
or Quantitative Course

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Information Security), BA







School/College: W. P. Carey School of Business





Location: West campus

BABUSISBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 235: Introduction to Information Systems	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
General Studies Elective	3		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 325: Fundamental Techniques for Business Data Analytics	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>
 CIS 360: Business Database Concepts	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Cultural Diversity in the U.S. (C)	3		
 Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
ACO 351: Governance, Risk and Compliance OR ACO 402: Privacy, Ethics and Compliance Issues or CIS 402: Privacy, Ethics and Compliance Issues	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
 CIS 401: Managing Cyber Risks in Enterprise Business Processes	3	C	

WPC 300: Problem Solving and Actionable Analytics	3	C
Upper Division International Business Elective AND Global Awareness (G)	3	C
Humanities, Arts and Design (HU)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACO 330: Computer Networks	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	2		
Term hours subtotal:	14		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FOR 350: Computer Forensics	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12.25		

- W. P. Carey School of Business students may not use courses with the following prefixes to satisfy General Studies course requirements: ACC, AGB, BUA, BUS, CIS, ECN, ENT, FIN, LES, MGT, MKT, QBA, REA, SCM, WPC.
  - Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
  - ASU Language Placement:** Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
MKT 425: Global Marketing Management (G)	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra



SCM 463: Global Supply Chain Management (G)	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
	COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
	COM 281: Communication Activities	MAT 410: Introduction to General Topology
	COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics
	COM 341: Social Contexts for Performance	MAT 416: Graph Theory
	COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra
	COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra
	COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra
	COM 465: Intercultural Communication Workshop	MAT 445: Theory of Numbers
	ENG 210: Introduction to Creative Writing	MAT 460: Vector Calculus
	ENG 213: Introduction to the Study of Language	MAT 461: Applied Complex Analysis
	ENG 310: Intermediate Creative Writing	MAT 462: Applied Partial Differential Equations
	ENG 314: Modern Grammar	MAT 472: Intermediate Real Analysis I
	ENG 345: Selected Authors or Issues	MAT 475: Differential Equations
	FAS 301: Introduction to Parenting	MAT 485: History of Mathematics
	GCU 433: Geography of Southeast Asia	ROM 101: Elementary Romanian Language and Culture I
	GRK 101: Elementary Ancient Greek	ROM 201: Intermediate Romanian Language and Culture I
	GRK 201: Intermediate Ancient Greek	ROM 313: Romanian Composition and Conversation
	HST 389: Japan Society and Values/Premod	ROM 314: Romanian Composition and Conversation
	JPN 110: Intensive Japanese I	RUS 101: Elementary Russian I
	IDN 101: Elementary Indonesian I	RUS 102: Elementary Russian II
	IDN 102: Elementary Indonesian II	SPA 101: Elementary Spanish I
	JPN 206: Japanese Calligraphy	SPA 102: Elementary Spanish II
	JPN 414: Introduction to Classical Japanese	SPA 111: Fundamentals of Spanish
	KOR 101: First-Year Korean I	SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa y Lala</i>
	KOR 102: First-Year Korean II	UNI 110: Critical Reading and Thinking
		WPC 150: Business and Society
Quantitative Course	Business Skills Courses - No Grades of D or E	
ACO 100: All About Data: Design, Query, and Visualization (CS)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	
EDS 223: Design Thinking		



EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)

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ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting

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CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)

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ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis or Quantitative Course

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Information Security), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSISBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions 3

ECN 211: Macroeconomic Principles (SB) 3 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

ECN 212: Microeconomic Principles (SB) 3 C

PSY course (SB) 3

Term hours subtotal: 9

- Explore career resources.
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management 0.25 C

General Studies Elective 3

Business Skills Courses: No Grades of D or E

Complete ECN 211 AND ECN 212.

Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 6.25

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Develop your professional online presence

Term 4 - A 46.50 - 55.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ECN 221: Business Statistics (CS) 3 C

Natural Science - Quantitative (SQ) 4

Upper Division Elective 2

Term hours subtotal: 9

- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

Term 4 - B 55.50 - 61.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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Cultural Diversity in the U.S. (C) 3

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Business Skills Courses: No Grades of D or E

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 5 - A 61.50 - 67.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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CIS 235: Introduction to Information Systems 3 C

MKT 300: Marketing and Business Performance 3 C

- Meet with your W. P. Carey Career Coach


WPC 348: Junior Networking Foundations

0.25

C

- Update your [resume](#)

Term hours subtotal: 6.25

Term 5 - B 67.75 - 76.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 CIS 325: Fundamental Techniques for Business Data Analytics

3

C

 CIS 401: Managing Cyber Risks in Enterprise Business Processes

3

C

WPC 300: Problem Solving and Actionable Analytics

3

C

Term hours subtotal: 9

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 76.75 - 85.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 CIS 402: Privacy, Ethics and Compliance Issues

3

C

ENG 302: Business Writing (L)

3


SCM 300: Global Supply Operations

3

C

Term hours subtotal: 9

- Complete [informational interviews](#)

Term 6 - B 85.75 - 91.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 CIS 360: Business Database Concepts


3

C

Upper Division International Business Course AND Global Awareness (G)

3

C

 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

- Complete an in person or virtual practice interview with your [W. P. Carey Career Coach](#)

Term 7 - A 91.75 - 100.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 ACO 330: Computer Networks

3

C

FIN 300: Fundamentals of Finance

3

C

Humanities, Arts and Design (HU)

3

Term hours subtotal: 9

- Attend [W. P. Carey and ASU Career Fairs](#)

Term 7 - B 100.75 - 107.75 Credit Hours	Hours	Minimum Grade	Notes
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MGT 300: Organization and Management Leadership

3

C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

Term hours subtotal: 7

- Gather [professional references](#)
- Update your [resume](#)

Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 FOR 350: Computer Forensics

3

C

WPC 448: Senior Career Transition Management

0.25

C

Upper Division Elective OR WPC 484: Internship

3

Term hours subtotal: 6.25

- Apply for [full-time career opportunities](#)

Term 8 - B 114.00 - 120.00 Credit Hours	Hours	Minimum Grade	Notes
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LES 305: Business Law and Ethics for Managers

3

C

Term hours subtotal: 6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Students cannot share Upper Division International Business Elective with concentration course requirements.

## Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	Business Skills Courses - No Grades of D or E
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
	COM 430: Leadership in Group Communication	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
	COM 453: Communication Training and Development	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
	ENG 210: Introduction to Creative Writing	MAT 211: Mathematics for Business Analysis or Quantitative Course
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	
	FAS 301: Introduction to Parenting	
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	ROM 101: Elementary Romanian Language and Culture I	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	
	WPC 150: Business and Society	
Quantitative Course		
ACO 100: All About Data: Design, Query, and Visualization (CS)		
EDS 223: Design Thinking		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map







### Business (Language and Culture), BA

School/College: W. P. Carey School of Business





Location: Tempe campus, West campus






BABSLACUBA




Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level language courses. Students with previous experience in the language are required to take a language placement exam.</li> <li>Dependent upon your language proficiency, some language tracks may require more than 120 credit hours to complete this degree.</li> <li>Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
Language and Culture Track Course	4-8	C	
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14-18		



Term 2 14 - 30.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Join the W. P. Carey <b>mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> <li>Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options.</li> <li><b>WPC 150</b> is required of all first-year business students. Transfer students will not be required to complete WPC 150.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Language and Culture Track Course	4-5	C	
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16.25-17.25		

	Minimum
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Term 3 30.25 - 45.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Language and Culture Track Course	3-5	C	
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Humanities, Arts and Design (HU)	3		
Term hours subtotal: 15.25-17.25			

Term 4 45.50 - 61.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.</li> <li>Attend <a href="#">W. P. Carey</a> and <a href="#">ASU</a> career fairs</li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
Language and Culture Track Course	3-5	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal: 16-18			

Term 5 61.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 Upper Division Language and Culture Track Course AND Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within <a href="#">W. P. Carey</a> cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>	
ENG 302: Business Writing (L)	3	C		
FIN 300: Fundamentals of Finance	3	C		
MGT 300: Organization and Management Leadership	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal: 16.25				

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Language and Culture Track Course	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	



Upper Division Language and Culture Track Course AND Literacy and Critical Inquiry (L) 3 C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Humanities, Arts and Design (HU) 3

Term hours subtotal: 15

**Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★**

Hours	Minimum Grade	Notes
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★ Complete 2 courses:

Upper Division Language and Culture Track Course 6 C

MGT 302: Principles of International Business (G) OR ECN 306: Survey of International Economics (SB & G) 3 C

WPC 300: Problem Solving and Actionable Analytics 3 C

Elective OR WPC 484: Internship 3

Term hours subtotal: 15

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

**Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★**

Hours	Minimum Grade	Notes
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★ Upper Division Language and Culture Track Course 3 C

LES 305: Business Law and Ethics for Managers 3 C

MGT 459: International Management (G) 3 C

WPC 448: Senior Career Transition Management 0.25 C

Upper Division International Business Elective AND Global Awareness (G) 3 C

Term hours subtotal: 12.25

- Apply for full-time career opportunities
- Meet with your academic advisor to discuss your internship course options

- Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options.
- The Spanish track is available on the Tempe and West campuses.
- The Chinese, French, and Italian tracks are only available at the Tempe campus.
- Dependent upon your language proficiency, some language tracks may require more than 120 credit hours to complete this degree.

Hide Course List(s)/Track Group(s)

Upper Division International Business Elective - select one course (3 credit hours)	Quantitative Course	Language and Culture - Chinese Track
AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)	CHI 120: Introduction to Chinese Culture (L or HU)
ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking	CHI 201: Second-Year Chinese I (G) or CHI 110: Intensive Chinese I
ECN 335: South Asia and the World Economy (SB & G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	CHI 202: Second-Year Chinese II (G) or CHI 210: Intensive Chinese II
ECN 360: Economic Development (SB & G)		CHI 301: Third-Year Chinese I (G)
ECN 436: International Trade Theory (SB & G)		CHI 302: Third-Year Chinese II (G)
		CHI 333: China (SB & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or CHI 343: Daoism ((L or HU) & G & H)

ECN 438: International Monetary Economics (SB & G)

MGT 302: Principles of International Business (G)

MGT 400: Cross-Cultural Management (C & G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

CHI 338: Daode Jing: Way to the West (L or HU) or CHI 451: Chinese Cultural History I ((HU or SB) & H)

CHI 401: Fourth-Year Chinese I (G)

CHI 402: Fourth-Year Chinese II (G)

CHI 407: Chinese for Academic and Professional Purposes I (G)

Language and Culture - Chinese Native Speaker Track

**Complete all four courses below:**

CHI 307: Introduction to Literary Chinese I (HU)

CHI 308: Introduction to Literary Chinese II (HU)

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU & G)

**Choose six courses from the list below:**

CHI 333: China (SB & H)

CHI 336: Interpreting China's Classics ((L or HU) & H)

CHI 338: Daode Jing: Way to the West (L or HU)

CHI 343: Daoism ((L or HU) & G & H)

CHI 345: Chinese Film and Civilization

CHI 451: Chinese Cultural History I ((HU or SB) & H)

CHI 452: Chinese Cultural History II (SB & G & H)

CHI 470: Modern Chinese Literature and Culture

Language and Culture - French Track

FRE 201: Intermediate French I (G) or FRE 110: Intensive French I (G)

FRE 202: Intermediate French II (G) or FRE 210: Intensive French II (G)

FRE 305: Readings in French Literature (G)

FRE 311: Oral and Written Expression I (G)

FRE 312: Oral and Written Expression II (G)

FRE 319: Business French (G)

FRE 321: French Cultural Masterpieces I ((L or HU) & H)

FRE 411: Advanced Spoken French (G)

FRE 412: Advanced Written French (G)

FRE 416: French Civilization II (HU & G)

Language and Culture - Italian Track

ITA 201: Intermediate Italian I (G) or ITA 110: Intensive Italian I (G)

ITA 202: Intermediate Italian II (G) or ITA 210: Intensive Italian II (G)

ITA 311: Speak Italy: Language, People, Culture (G)

ITA 312: Write Italy: Language, People, Culture (L & G)

ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G)

ITA 319: Italian for Professions

ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H)

ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)

ITA 413: Advanced Italian (G)

ITA 414: French and Italian Popular Culture ((L or HU) & G) or ITA 420: Italian Cinema (L & G)

Language and Culture - Spanish Track

SPA 201: Intermediate Spanish (G) or SPA 203: Intermediate Spanish I for Bilinguals (G) or SPA 110: Intensive Spanish I (G)

SPA 202: Intermediate Spanish (G) or SPA 204: Intermediate Spanish II for Bilinguals (G) or SPA 210: Intensive Spanish II (G)

SPA 313: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C)

Business Skills Courses - No Grades of D or E

ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting

ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting

CIS 105: Computer Applications and Information Technology (CS) or CIS 236:

SPA 314: Spanish Conversation and Composition (G) or SPA 316: Advanced Spanish II for Bilinguals (L & C)	Honors Introduction to Information Systems (CS)
SPA 319: Business Correspondence and Communication (G)	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
SPA 325: Introduction to Hispanic Literature (HU)	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
SPA 402: Written Communication for the Professions or SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
SPA 412: Advanced Conversation and Composition (G)	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
SPA 4** Elective ( SPA 472 recommended)	MAT 211: Mathematics for Business Analysis or Quantitative Course
SPA course (L) Upper Division	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Law), BA







School/College: W. P. Carey School of Business




Location: Tempe campus


BABUSLBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LAW 210: Introduction to American Legal System and Business Law	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 Law Concentration Elective	3	C	<ul style="list-style-type: none"> <li>LAW 394/494 Special Topic courses will be available every semester as LAW concentration elective options. See <a href="#">class search</a> for the topics available.</li> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>	
ENG 302: Business Writing (L)	3			
LES 305: Business Law and Ethics for Managers	3	C		
SCM 300: Global Supply Operations	3	C		
Upper Division General Studies Elective	3			
WPC 348: Junior Networking Foundations	0.25	C		
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:		15.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ Upper Division Law Concentration Elective	3	C
MKT 300: Marketing and Business Performance	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
Upper Division International Business Course AND Global Awareness (G)	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- LAW 394/494 Special Topic courses will be available every semester as LAW concentration elective options. See [class search](#) for the topics available.
- Complete [informational interviews](#)
- Meet with your academic advisor to discuss your internship course options

★ Term 7 93.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ Complete 2 courses:		
Upper Division Law Concentration Elective	6	C
MGT 300: Organization and Management Leadership	3	C
Upper Division Elective	2	
Upper Division General Studies Elective	3	
Term hours subtotal:	14	

- LAW 394/494 Special Topic courses will be available every semester as LAW concentration elective options. See [class search](#) for the topics available.
- Attend [W. P. Carey](#) and [ASU Career Fairs](#)
- Gather [professional references](#)
- Update your [resume](#)

★ Term 8 107.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ LAW 480: The Law of Business Organizations	3	C
FIN 300: Fundamentals of Finance	3	C
WPC 448: Senior Career Transition Management	0.25	C
Literacy and Critical Inquiry (L)	3	
Upper Division Elective OR WPC 484: Internship	3	
Term hours subtotal:	12.25	

- Apply for [full-time career opportunities](#)
- Meet with your academic advisor to discuss your internship course options

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Law Concentration Electives - select four courses (12 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	Quantitative Course
AGB 414: Food and Agribusiness Policy Issues (L)	AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)
COM 222: Argumentation (L)	ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking
COM 326: Court Room Oratory	MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
ENG 216: Persuasive Writing on Public Issues (L)	MKT 425: Global Marketing Management (G)	
ENG 472: Rhetorical Studies (L)	SCM 463: Global Supply Chain Management (G)	

HST 322: Constitutional History of the United States Since 1865 (H)

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LAW 394: Special Topics

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LAW 494: Special Topics

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LES 380: Consumer Perspective of Business Law

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MGT 420: Human Resource Management

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MGT 424: Employment Law

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MGT 430: Negotiations

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PHI 103: Principles of Sound Reasoning (L or HU)

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PHI 307: Philosophy of Law (HU)

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POS 325: Public Policy Development (SB)

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POS 465: International Organization and Law (SB & G)

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POS 471: Constitutional Law I (SB)

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POS 472: Constitutional Law II (SB)

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POS 484: Internship

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REA 411: Real Estate Law

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TWC 451: Copyright and Intellectual Property in the Electronic Age

General Studies Electives	General Studies Electives Continued	Business Skills Courses - No Grades of D or E
ASL 101: American Sign Language I	LAT 101: Elementary Latin	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ASL 102: American Sign Language II	LAT 102: Elementary Latin	
ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures	
BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
CHI 110: Intensive Chinese I	MAT 342: Linear Algebra	
CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I	
COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
COM 281: Communication Activities	MAT 410: Introduction to General Topology	
COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
COM 341: Social Contexts for Performance	MAT 416: Graph Theory	
COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra	MAT 210: Brief Calculus (MA) or MAT 271: Calculus with Analytic Geometry II (MA)
	MAT 443: Introduction to Abstract Algebra	
	MAT 444: Intermediate Abstract Algebra	



COM 430: Leadership in Group Communication	MAT 445: Theory of Numbers	MAT 211: Mathematics for Business Analysis or Quantitative Course
COM 453: Communication Training and Development	MAT 460: Vector Calculus	
COM 465: Intercultural Communication Workshop	MAT 461: Applied Complex Analysis	
ENG 210: Introduction to Creative Writing	MAT 462: Applied Partial Differential Equations	
ENG 213: Introduction to the Study of Language	MAT 472: Intermediate Real Analysis I	
ENG 310: Intermediate Creative Writing	MAT 475: Differential Equations	
ENG 314: Modern Grammar	MAT 485: History of Mathematics	
ENG 345: Selected Authors or Issues	ROM 101: Elementary Romanian Language and Culture I	
FAS 301: Introduction to Parenting	ROM 201: Intermediate Romanian Language and Culture I	
GCU 433: Geography of Southeast Asia	ROM 313: Romanian Composition and Conversation	
GRK 101: Elementary Ancient Greek	ROM 314: Romanian Composition and Conversation	
GRK 201: Intermediate Ancient Greek	RUS 101: Elementary Russian I	
HST 389: Japan Society and Values/Pre-mod	RUS 102: Elementary Russian II	
JPN 110: Intensive Japanese I	SPA 101: Elementary Spanish I	
IDN 101: Elementary Indonesian I	SPA 102: Elementary Spanish II	
IDN 102: Elementary Indonesian II	SPA 111: Fundamentals of Spanish	
JPN 206: Japanese Calligraphy	SPA 486: Chicano/a Novel: Áltima, Rafa y Lala	
JPN 414: Introduction to Classical Japanese	UNI 110: Critical Reading and Thinking	
KOR 101: First-Year Korean I	WPC 150: Business and Society	
KOR 102: First-Year Korean II		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)



- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Business (Law), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSLBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and then MAT 210 or MAT 210 and then MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and then MAT 210 or MAT 210 and then MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	

PSY course (SB) 3

⚠ Business Skills Courses: No Grades of D or E

⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your <a href="#">professional online presence</a></li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Upper Division General Studies Elective	3		
⚠ Business Skills Courses: No Grades of D or E			
⚠ Complete ECN 211 AND ECN 212.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>• Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 53.50 - 60.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
General Studies Elective	3		
Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	1		
⚠ Business Skills Courses: No Grades of D or E			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 60.50 - 66.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LAW 210: Introduction to American Legal System and Business Law	3	C	<ul style="list-style-type: none"> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Update your <a href="#">resume</a></li> </ul>
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		

Term 5 - B 66.75 - 75.75 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
SCM 300: Global Supply Operations	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		

Term 6 - A 75.75 - 82.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Law Concentration Elective	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 6 - B 82.75 - 91.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Law Concentration Elective	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 91.75 - 100.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Law Concentration Elective	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

Term 7 - B 100.75 - 107.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Law Concentration Elective	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
MGT 300: Organization and Management Leadership	3	C	
Upper Division Elective	1		
Term hours subtotal:	7		

Term 8 - A 107.75 - 114.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LAW 480: The Law of Business Organizations	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6.25		

Term 8 - B 114.00 - 120.00 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR WPC 484: Internship	3		

Term hours subtotal: 6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Students cannot share Upper Division International Business Elective with concentration course requirements.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	Law Concentration Electives - select four courses (12 credit hours)	Quantitative Course
AGB 302: International Management and Agribusiness (G)	ENG 216: Persuasive Writing on Public Issues (L)	ACO 100: All About Data: Design, Query, and Visualization (CS)
ECN 306: Survey of International Economics (SB & G)	LAW 394: Special Topics	EDS 223: Design Thinking
MGT 302: Principles of International Business (G)	LAW 494: Special Topics	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
MKT 425: Global Marketing Management (G)	MGT 420: Human Resource Management	
SCM 463: Global Supply Chain Management (G)	MGT 430: Negotiations	
	PHI 103: Principles of Sound Reasoning (L or HU)	
	PHI 307: Philosophy of Law (HU)	
	POS 325: Public Policy Development (SB)	
	POS 484: Internship	
	TWC 451: Copyright and Intellectual Property in the Electronic Age	
General Studies Electives	Business Skills Courses - No Grades of D or E	
BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	
COM 207: Introduction to Communication Inquiry	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	
COM 259: Communication in Business and the Professions	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)	
COM 312: Communication, Conflict, and Negotiation	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	
COM 414: Crisis Communication	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)	
COM 430: Leadership in Group Communication		
COM 453: Communication Training and Development		
ENG 210: Introduction to Creative Writing		
ENG 310: Intermediate Creative Writing		

ENG 345: Selected Authors or Issues	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
FAS 301: Introduction to Parenting	
MAT 242: Elementary Linear Algebra	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MAT 243: Discrete Mathematical Structures	MAT 211: Mathematics for Business Analysis or Quantitative Course
ROM 101: Elementary Romanian Language and Culture I	
SPA 101: Elementary Spanish I	
SPA 102: Elementary Spanish II	
WPC 150: Business and Society	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Public Service and Public Policy), BA







School/College: W. P. Carey School of Business




Location: Tempe campus

BABUSPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
General Studies Elective	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Humanities, Arts and Design (HU)	3		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 PAF 300: Public Management and Administration	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>	
ENG 302: Business Writing (L)	3			
MKT 300: Marketing and Business Performance	3	C		
SCM 300: Global Supply Operations	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Cultural Diversity in the U.S. (C)	3			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:		15.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> </ul>
FIN 300: Fundamentals of Finance	3	C	



Upper Division International Business Course AND Global Awareness (G)	3	C
Literacy and Critical Inquiry (L)	3	
Upper Division Elective OR PAF 484: Internship OR WPC 484: Internship	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		15

- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

<b>★ Term 7 93.75 - 107.75 Credit Hours Necessary course signified by</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Gather <b>professional references</b></li> <li>• Update your resume</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division PSPP Concentration Course	3	C	
Upper Division Elective	2		
Upper Division Elective OR PAF 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:		14	

<b>★ Term 8 107.75 - 120.00 Credit Hours Necessary course signified by</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ Upper Division PSPP Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective OR PAF 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:		12.25	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

PSPP Concentration Courses - select two courses (6 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	Quantitative Course
CEL 394: Liberalism and Conservatism in America	AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)
CEL 494: Adam Smith and Classical Political Economy	ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking
PAF 302: Public Service Research Methods	MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
PAF 410: Building Leadership Skills (SB)	MKT 425: Global Marketing Management (G)	
PAF 460: Public Service Ethics	SCM 463: Global Supply Chain Management (G)	
PAF 470: Topics in Public Economics and Financial Management		

PAF 471: Public Policy Analysis

General Studies Electives	General Studies Electives Continued	Business Skills Courses - No Grades of D or E
ASL 101: American Sign Language I	LAT 101: Elementary Latin	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ASL 102: American Sign Language II	LAT 102: Elementary Latin	
ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures	
BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry	
CHI 110: Intensive Chinese I	MAT 342: Linear Algebra	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus	
COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II	
COM 281: Communication Activities	MAT 410: Introduction to General Topology	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics	
COM 341: Social Contexts for Performance	MAT 416: Graph Theory	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra	
COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra	
COM 465: Intercultural Communication Workshop	MAT 445: Theory of Numbers	MAT 211: Mathematics for Business Analysis or Quantitative Course
ENG 210: Introduction to Creative Writing	MAT 460: Vector Calculus	
ENG 213: Introduction to the Study of Language	MAT 461: Applied Complex Analysis	
ENG 310: Intermediate Creative Writing	MAT 462: Applied Partial Differential Equations	
ENG 314: Modern Grammar	MAT 472: Intermediate Real Analysis I	
ENG 345: Selected Authors or Issues	MAT 475: Differential Equations	
FAS 301: Introduction to Parenting	MAT 485: History of Mathematics	
GCU 433: Geography of Southeast Asia	ROM 101: Elementary Romanian Language and Culture I	
GRK 101: Elementary Ancient Greek	ROM 201: Intermediate Romanian Language and Culture I	
GRK 201: Intermediate Ancient Greek	ROM 313: Romanian Composition and Conversation	
HST 389: Japan Society and Values/Premod	ROM 314: Romanian Composition and Conversation	
JPN 110: Intensive Japanese I	RUS 101: Elementary Russian I	
IDN 101: Elementary Indonesian I	RUS 102: Elementary Russian II	
IDN 102: Elementary Indonesian II	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	

JPN 206: Japanese Calligraphy	SPA 111: Fundamentals of Spanish
JPN 414: Introduction to Classical Japanese	SPA 486: Chicano/a Novel: <i>Áltima, Rafa y Lala</i>
KOR 101: First-Year Korean I	UNI 110: Critical Reading and Thinking
KOR 102: First-Year Korean II	WPC 150: Business and Society

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Retail Management), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSRBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students. W. P. Carey students take WPC 101 to fulfill this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	

PSY course (SB) 3

- ❖ Business Skills Courses: No Grades of D or E
  - ❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
  - ❖ Minimum 2.00 GPA ASU Cumulative.
- Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore career resources.</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your professional online presence</li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Cultural Diversity in the U.S. (C)	3		
❖ Business Skills Courses: No Grades of D or E			
❖ Complete ECN 211 AND ECN 212.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend W. P. Carey and ASU career fairs</li> <li>• Apply for internships or create one</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
General Studies Elective	3		
❖ Business Skills Courses: No Grades of D or E			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 5 - A 59.50 - 65.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 300: Marketing and Business Performance	3	C	<ul style="list-style-type: none"> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Update your resume</li> </ul>
★ SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		

Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified	Minimum
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by	Hours	Grade	Notes
MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		

Term 6 - A 74.75 - 81.75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
SCM 440: Quality Management/Measurement	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 6 - B 81.75 - 90.75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 90.75 - 96.75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
SCM 385: Business and Sustainability I	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
General Studies Elective	3		
Term hours subtotal:	6		

Term 7 - B 96.75 - 105.75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
MGT 411: Leading Organizations	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	9		

Term 8 - A 105.75 - 114.00 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
AGB 445: Food Retailing	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
MKT 396: Essentials of Services Marketing	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective	2		
Term hours subtotal:	8.25		

Term 8 - B 114.00 - 120.00 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
MKT 420: Retail Management	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Term hours subtotal: 6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	Quantitative Course	General Studies Electives
AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)	BIO 320: Fundamentals of Ecology
ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking	COM 207: Introduction to Communication Inquiry
MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	COM 259: Communication in Business and the Professions
MKT 425: Global Marketing Management (G)		COM 312: Communication, Conflict, and Negotiation
SCM 463: Global Supply Chain Management (G)		COM 414: Crisis Communication
		COM 430: Leadership in Group Communication
		COM 453: Communication Training and Development
		ENG 210: Introduction to Creative Writing
		ENG 310: Intermediate Creative Writing
		ENG 345: Selected Authors or Issues
		FAS 301: Introduction to Parenting
		MAT 242: Elementary Linear Algebra
		MAT 243: Discrete Mathematical Structures
		ROM 101: Elementary Romanian Language and Culture I
		SPA 101: Elementary Spanish I
		SPA 102: Elementary Spanish II
		WPC 150: Business and Society
<b>Business Skills Courses - No Grades of D or E</b>		
		ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
		ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting

CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)

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ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis or Quantitative Course

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map





### Business (Sports Business), BA






School/College: W. P. Carey School of Business





Location: Polytechnic campus, Tempe campus

BABUSMSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
General Studies Elective	3		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MKT 300: Marketing and Business Performance	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>
 MKT 311: Sports Business	3	C	
ENG 302: Business Writing (L)	3		
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
General Studies Elective	3		
 Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MKT 421: Fan Behavior and Sports Marketing	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
MGT 300: Organization and Management Leadership	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	

Upper Division International Business Course AND Global Awareness (G)	3	C
Humanities, Arts and Design (HU)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:			
Upper Division Sports Business Elective	6	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Elective	2		
Upper Division Elective OR MKT 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:	14		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MCO 465: Sports and Media	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Sports Business Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division Sports Business Electives - select 3 courses (9 credit hours, MKT 494 must be sports related)	Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives
AFR 375: Race, Gender and Sport (SB & C)	AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I
MCO 420: Strategic Sports Communication	ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II
MKT 431: Sports Events and Facility Management	MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III
MKT 441: Sports Revenue Generation	MKT 425: Global Marketing Management (G)	ASL 202: American Sign Language IV
MKT 451: Sports Business Analytics	SCM 463: Global Supply Chain Management (G)	BIO 320: Fundamentals of Ecology
MKT 484: Internship		CHI 110: Intensive Chinese I
MKT 493: Honors Thesis (L)		CHI 205: Chinese Calligraphy
MKT 494: Special Topics		COM 207: Introduction to Communication Inquiry
		COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 312: Communication, Conflict, and Negotiation

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

GCU 433: Geography of Southeast Asia

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HST 389: Japan Society and Values/Premod

JPN 110: Intensive Japanese I

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Studies Electives Continued	Quantitative Course	Business Skills Courses - No Grades of D or E
LAT 101: Elementary Latin	ACO 100: All About Data: Design, Query, and Visualization (CS)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
LAT 102: Elementary Latin	EDS 223: Design Thinking	
MAT 242: Elementary Linear Algebra	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MAT 243: Discrete Mathematical Structures		
MAT 310: Introduction to Geometry		
MAT 342: Linear Algebra		
MAT 370: Intermediate Calculus		

MAT 371: Advanced Calculus I	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MAT 372: Advanced Calculus II	
MAT 410: Introduction to General Topology	
MAT 415: Introduction to Combinatorics	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
MAT 416: Graph Theory	
MAT 442: Advanced Linear Algebra	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
MAT 443: Introduction to Abstract Algebra	
MAT 444: Intermediate Abstract Algebra	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MAT 445: Theory of Numbers	
MAT 460: Vector Calculus	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MAT 461: Applied Complex Analysis	
MAT 462: Applied Partial Differential Equations	MAT 211: Mathematics for Business Analysis or Quantitative Course
MAT 472: Intermediate Real Analysis I	
MAT 475: Differential Equations	
MAT 485: History of Mathematics	
ROM 101: Elementary Romanian Language and Culture I	
ROM 201: Intermediate Romanian Language and Culture I	
ROM 313: Romanian Composition and Conversation	
ROM 314: Romanian Composition and Conversation	
RUS 101: Elementary Russian I	
RUS 102: Elementary Russian II	
SPA 101: Elementary Spanish I	
SPA 102: Elementary Spanish II	
SPA 111: Fundamentals of Spanish	
SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa</i> y <i>Lala</i>	
UNI 110: Critical Reading and Thinking	
WPC 150: Business and Society	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Sports Business), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSMSBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and then MAT 210 or MAT 210 and then MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	

PSY course (SB) 3

- ❖ Business Skills Courses: No Grades of D or E
- ❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
- ❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore career resources.</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your professional online presence</li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Cultural Diversity in the U.S. (C)	3		
❖ Business Skills Courses: No Grades of D or E			
❖ Complete ECN 211 AND ECN 212.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		



Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend W. P. Carey and ASU career fairs</li> <li>• Apply for internships or create one</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
General Studies Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
❖ Business Skills Courses: No Grades of D or E			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		




Term 5 - A 59.50 - 65.75 Credit Hours	Hours	Minimum Grade	Notes
MKT 300: Marketing and Business Performance	3	C	<ul style="list-style-type: none"> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Update your resume</li> </ul>
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		



Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified	Minimum
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by 	Hours	Grade	Notes
 MKT 311: Sports Business	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		

Term 6 - A 74.75 - 81.75 Credit Hours	Hours	Minimum Grade	Notes
LES 305: Business Law and Ethics for Managers	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 6 - B 81.75 - 90.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MKT 421: Fan Behavior and Sports Marketing	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
Upper Division International Business Course AND Global Awareness (G)	3	C	
Humanities, Arts and Design (HU)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 90.75 - 99.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Sports Business Elective	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
MGT 300: Organization and Management Leadership	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		

Term 7 - B 99.75 - 105.75 Credit Hours	Hours	Minimum Grade	Notes
FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
Upper Division Sports Business Elective	3	C	
Term hours subtotal:	6		

Term 8 - A 105.75 - 114.00 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MCO 465: Sports and Media	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective OR MKT 484: Internship OR WPC 484: Internship	3		
Upper Division Elective	2		
Term hours subtotal:	8.25		

Term 8 - B 114.00 - 120.00 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Sports Business Elective	3	C	
General Studies Elective	3		
Term hours subtotal:	6		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Students cannot share Upper Division International Business Elective with concentration course requirements.

#### Hide Course List(s)/Track Group(s)

Upper Division Sports Business Electives - select 3 courses (9 credit hours, MKT 494 must be sports related)	Upper Division International Business Course- select one course (3 credit hours)	General Studies Electives
AFR 375: Race, Gender and Sport (SB & C)	AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology
MKT 441: Sports Revenue Generation	ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry
MKT 451: Sports Business Analytics	MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions
MKT 484: Internship	MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation
MKT 494: Special Topics	SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication
		COM 430: Leadership in Group Communication
		COM 453: Communication Training and Development
		ENG 210: Introduction to Creative Writing
		ENG 310: Intermediate Creative Writing
		ENG 345: Selected Authors or Issues
		FAS 301: Introduction to Parenting
		MAT 242: Elementary Linear Algebra
		MAT 243: Discrete Mathematical Structures
		ROM 101: Elementary Romanian Language and Culture I
		SPA 101: Elementary Spanish I
		SPA 102: Elementary Spanish II
		WPC 150: Business and Society
Quantitative Course	Business Skills Courses - No Grades of D or E	
ACO 100: All About Data: Design, Query, and Visualization (CS)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	
EDS 223: Design Thinking		
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)		

ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

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CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

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ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis  
or Quantitative Course

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Statistics), BA






School/College: W. P. Carey School of Business




Location: West campus




BABUSTABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Business Statistics students are encouraged to take <a href="#">STP 420</a> early, if you are considering taking additional statistics courses</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
General Studies Elective	3		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 SCM 300: Global Supply Operations	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> </ul>	
ENG 302: Business Writing (L)	3			
LES 305: Business Law and Ethics for Managers	3	C		
MKT 300: Marketing and Business Performance	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:		15.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 310: Business Data Visualization	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
 STP 420: Introductory Applied Statistics (CS)	3	C	
FIN 300: Fundamentals of Finance	3	C	

Upper Division International Business Course AND Global Awareness (G)	3	C
Humanities, Arts and Design (HU)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STP 310: Design and Analysis of Experiments	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
★ STP 311: Regression and Time Series Analyses	3	C	
MGT 300: Organization and Management Leadership	3	C	
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	14		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 405: Business Intelligence	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
★ STP 315: Statistical Computing	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective OR STP 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	Quantitative Course	General Studies Electives
AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)	ASL 101: American Sign Language I
ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking	ASL 102: American Sign Language II
MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	ASL 201: American Sign Language III
MKT 425: Global Marketing Management (G)		ASL 202: American Sign Language IV
SCM 463: Global Supply Chain Management (G)		BIO 320: Fundamentals of Ecology
		CHI 110: Intensive Chinese I
		CHI 205: Chinese Calligraphy
		COM 207: Introduction to Communication Inquiry
		COM 259: Communication in Business and the Professions

COM 281: Communication Activities

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COM 312: Communication, Conflict, and Negotiation

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COM 341: Social Contexts for Performance

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COM 414: Crisis Communication

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COM 430: Leadership in Group Communication

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COM 453: Communication Training and Development

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COM 465: Intercultural Communication Workshop

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ENG 210: Introduction to Creative Writing

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ENG 213: Introduction to the Study of Language

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ENG 310: Intermediate Creative Writing

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ENG 314: Modern Grammar

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ENG 345: Selected Authors or Issues

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FAS 301: Introduction to Parenting

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GCU 433: Geography of Southeast Asia

---

GRK 101: Elementary Ancient Greek

---

GRK 201: Intermediate Ancient Greek

---

HST 389: Japan Society and Values/Premod

---

JPN 110: Intensive Japanese I

---

IDN 101: Elementary Indonesian I

---

IDN 102: Elementary Indonesian II

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JPN 206: Japanese Calligraphy

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JPN 414: Introduction to Classical Japanese

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KOR 101: First-Year Korean I

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KOR 102: First-Year Korean II

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General Studies Electives Continued	Business Skills Courses - No Grades of D or E
LAT 101: Elementary Latin	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
LAT 102: Elementary Latin	
MAT 242: Elementary Linear Algebra	
MAT 243: Discrete Mathematical Structures	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MAT 310: Introduction to Geometry	
MAT 342: Linear Algebra	
MAT 370: Intermediate Calculus	

MAT 371: Advanced Calculus I	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MAT 372: Advanced Calculus II	
MAT 410: Introduction to General Topology	
MAT 415: Introduction to Combinatorics	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
MAT 416: Graph Theory	
MAT 442: Advanced Linear Algebra	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
MAT 443: Introduction to Abstract Algebra	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MAT 444: Intermediate Abstract Algebra	
MAT 445: Theory of Numbers	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MAT 460: Vector Calculus	MAT 211: Mathematics for Business Analysis or Quantitative Course
MAT 461: Applied Complex Analysis	
MAT 462: Applied Partial Differential Equations	
MAT 472: Intermediate Real Analysis I	
MAT 475: Differential Equations	
MAT 485: History of Mathematics	
ROM 101: Elementary Romanian Language and Culture I	
ROM 201: Intermediate Romanian Language and Culture I	
ROM 313: Romanian Composition and Conversation	
ROM 314: Romanian Composition and Conversation	
RUS 101: Elementary Russian I	
RUS 102: Elementary Russian II	
SPA 101: Elementary Spanish I	
SPA 102: Elementary Spanish II	
SPA 111: Fundamentals of Spanish	
SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa</i> y <i>Lala</i>	
UNI 110: Critical Reading and Thinking	
WPC 150: Business and Society	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>



- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Sustainability), BA






School/College: W. P. Carey School of Business





Location: Polytechnic campus, Tempe campus, West campus

BABUSSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
SOS 110: Sustainable World (SB)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
 Business Skills Courses: No Grades of D or E.			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		15.25	

Term 4 46.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
SOS 111: Sustainable Cities ((HU or SB) & G) OR PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Business Skills Courses: No Grades of D or E.			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 62.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 SCM 300: Global Supply Operations	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>	
 SOS 325: The Economics of Sustainability	3	C		
ENG 302: Business Writing (L)	3			
FIN 300: Fundamentals of Finance	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4			
 Complete ACC 241 with a grade of "C" or better.				
Maintain 2.50 GPA in Major Courses.				
Term hours subtotal:		16.25		

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Sustainability Elective	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> </ul>
MKT 300: Marketing and Business Performance	3	C	

WPC 300: Problem Solving and Actionable Analytics	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Cultural Diversity in the U.S. (C)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Maintain 2.50 GPA in Major Courses.		
Term hours subtotal:	15	

- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

★ <b>Term 7 93.75 - 107.75 Credit Hours Necessary course signified by</b>	Hours	Minimum Grade	Notes
★ SCM 385: Business and Sustainability I	3	C	<ul style="list-style-type: none"> <li>• Attend <b>W. P. Carey</b> and <b>ASU</b> Career Fairs</li> <li>• Gather <b>professional references</b></li> <li>• Update your <b>resume</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	2		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	14		

★ <b>Term 8 107.75 - 120.00 Credit Hours Necessary course signified by</b>	Hours	Minimum Grade	Notes
★ SCM 485: Business and Sustainability II	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division Sustainability Elective	Upper Division International Business Course - select one course (3 credit hours)	Quantitative Course
AGB 414: Food and Agribusiness Policy Issues (L)	AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)
AGB 452: Global Food and Agricultural Trade	ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking
SOS Upper Division Elective	MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
	MKT 425: Global Marketing Management (G)	

SCM 463: Global Supply Chain Management  
(G)

Business Skills Courses - No Grades of D or E

ACC 231: Uses of Accounting Information I  
or ACC 232: Financial Accounting I or ACC  
261: Honors Fundamentals of Financial  
Accounting

ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

MAT 211: Mathematics for Business Analysis  
or Quantitative Course

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Business (Sustainability), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSSBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	

PSY course (SB) 3

⚠ Business Skills Courses: No Grades of D or E.

⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
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⚠ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <b>career resources</b>.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Attend <b>W. P. Carey and ASU Career Fairs</b></li> </ul>
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⚠ SOS 110: Sustainable World (SB)	3	C
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COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	
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Term hours subtotal: 9

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
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⚠ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your <b>professional online presence</b></li> </ul>
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ECN 212: Microeconomic Principles (SB)	3	C
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WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C
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⚠ Business Skills Courses: No Grades of D or E.

⚠ Complete ECN 211 AND ECN 212.

⚠ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 6.25

Term 4 - A 46.50 - 55.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
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⚠ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend <b>W. P. Carey and ASU career fairs</b></li> <li>• Apply for <b>internships</b> or <b>create one</b></li> </ul>
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⚠ SOS 111: Sustainable Cities ((HU or SB) & G) OR PUP 190: Sustainable Cities ((HU or SB) & G)	3	C
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Cultural Diversity in the U.S. (C)	3	
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Term hours subtotal: 9

Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
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Literacy and Critical Inquiry (L)	3	
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Natural Science - Quantitative (SQ)	4	
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⚠ Business Skills Courses: No Grades of D or E.

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 7

Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
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⭐ MKT 300: Marketing and Business Performance	3	C	<ul style="list-style-type: none"> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
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⭐ SCM 300: Global Supply Operations	3	C
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WPC 348: Junior Networking Foundations	0.25	C
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Term hours subtotal: 6.25



Term 5 - B 68.75 - 77.75 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		
Term 6 - A 77.75 - 84.75 Credit Hours	Hours	Minimum Grade	Notes
SOS 325: The Economics of Sustainability	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	7		
Term 6 - B 84.75 - 90.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
Upper Division International Business Course AND Global Awareness (G)	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
Term 7 - A 90.75 - 99.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SCM 385: Business and Sustainability I	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
Upper Division Elective OR WPC 484: Internship	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	9		
Term 7 - B 99.75 - 105.75 Credit Hours	Hours	Minimum Grade	Notes
SOS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	6		
Term 8 - A 105.75 - 114.00 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SCM 485: Business and Sustainability II	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Elective OR WPC 484: Internship	3		
Upper Division Elective	2		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	8.25		
Term 8 - B 114.00 - 120.00 Credit Hours	Hours	Minimum Grade	Notes

Upper Division Elective	3
Elective	3
Term hours subtotal:	6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	Quantitative Course	Business Skills Courses - No Grades of D or E
AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MKT 425: Global Marketing Management (G)		ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
SCM 463: Global Supply Chain Management (G)		ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
		ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
		MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
		MAT 211: Mathematics for Business Analysis or Quantitative Course

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 50 minimum  
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Technology), BA






School/College: W. P. Carey School of Business





Location: Polytechnic campus


BABUSTCBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E.			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 400: Technology Entrepreneurship	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>
 Technology Focus Area Course	3	C	
MGT 300: Organization and Management Leadership	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
 Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TMC 470: Enterprise Planning and Implementation	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
ENG 302: Business Writing (L)	3		
Upper Division International Business Elective AND Global Awareness (G)	3	C	

Technology Focus Area Course	3	C
Upper Division General Studies Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		15

★ Term 7 93.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ Upper Division Technology Focus Area Course	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Elective	2		
Upper Division Elective OR TEM 484: Internship OR WPC 484: Internship	3		
Term hours subtotal:		14	

★ Term 8 107.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ Upper Division Technology Focus Area Course	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Humanities, Arts and Design (HU)	3		
Upper Division General Studies Elective	3		
Term hours subtotal:		12.25	

- Choose one Focus Area and complete 12 credit hours.
  - Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Technology Focus Area (Digital Media) - choose one focus area (12 credit hours)	Technology Focus Area (Social Entrepreneurship) - choose one focus area (12 credit hours)	Upper Division International Business Course - select one course (3 credit hours)
GIT 215: Introduction to Web Authoring	AGB 321: Agribusiness Marketing	AGB 302: International Management and Agribusiness (G)
GIT 230: Digital Illustration in Publishing	AGB 333: Agribusiness Finance	ECN 306: Survey of International Economics (SB & G)
GIT 303: Digital Publishing	TEM 230: Creativity and Business Innovation	MGT 302: Principles of International Business (G)
GIT 334: Image Editing and Manipulation	TEM 431: Innovation Management	MKT 425: Global Marketing Management (G)
	TEM 455: Global Impact Entrepreneurship	SCM 463: Global Supply Chain Management (G)
	TMC 331: Quality Assurance	
	TMC 430: Enterprise Strategy and Innovation	
General Studies Electives	Quantitative Course	General Studies Electives Continued

ASL 101: American Sign Language I	ACO 100: All About Data: Design, Query, and Visualization (CS)	LAT 101: Elementary Latin
ASL 102: American Sign Language II	EDS 223: Design Thinking	LAT 102: Elementary Latin
ASL 201: American Sign Language III	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	MAT 242: Elementary Linear Algebra
ASL 202: American Sign Language IV		MAT 243: Discrete Mathematical Structures
BIO 320: Fundamentals of Ecology		MAT 310: Introduction to Geometry
CHI 110: Intensive Chinese I		MAT 342: Linear Algebra
CHI 205: Chinese Calligraphy		MAT 370: Intermediate Calculus
COM 207: Introduction to Communication Inquiry		MAT 371: Advanced Calculus I
COM 259: Communication in Business and the Professions		MAT 372: Advanced Calculus II
COM 281: Communication Activities		MAT 410: Introduction to General Topology
COM 312: Communication, Conflict, and Negotiation		MAT 415: Introduction to Combinatorics
COM 341: Social Contexts for Performance		MAT 416: Graph Theory
COM 414: Crisis Communication		MAT 442: Advanced Linear Algebra
COM 430: Leadership in Group Communication		MAT 443: Introduction to Abstract Algebra
COM 453: Communication Training and Development		MAT 444: Intermediate Abstract Algebra
COM 465: Intercultural Communication Workshop		MAT 445: Theory of Numbers
ENG 210: Introduction to Creative Writing		MAT 460: Vector Calculus
ENG 213: Introduction to the Study of Language		MAT 461: Applied Complex Analysis
ENG 310: Intermediate Creative Writing		MAT 462: Applied Partial Differential Equations
ENG 314: Modern Grammar		MAT 472: Intermediate Real Analysis I
ENG 345: Selected Authors or Issues		MAT 475: Differential Equations
FAS 301: Introduction to Parenting		MAT 485: History of Mathematics
GCU 433: Geography of Southeast Asia		ROM 101: Elementary Romanian Language and Culture I
GRK 101: Elementary Ancient Greek		ROM 201: Intermediate Romanian Language and Culture I
GRK 201: Intermediate Ancient Greek		ROM 313: Romanian Composition and Conversation
HST 389: Japan Society and Values/Premod		ROM 314: Romanian Composition and Conversation
JPN 110: Intensive Japanese I		RUS 101: Elementary Russian I
IDN 101: Elementary Indonesian I		RUS 102: Elementary Russian II
IDN 102: Elementary Indonesian II		SPA 101: Elementary Spanish I
JPN 206: Japanese Calligraphy		SPA 102: Elementary Spanish II
JPN 414: Introduction to Classical Japanese		SPA 111: Fundamentals of Spanish
KOR 101: First-Year Korean I		SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa</i> y <i>Lala</i>

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KOR 102: First-Year Korean II

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UNI 110: Critical Reading and Thinking

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WPC 150: Business and Society

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**Business Skills Courses - No Grades of D or E**

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ACC 231: Uses of Accounting Information I  
or ACC 232: Financial Accounting I or ACC  
261: Honors Fundamentals of Financial  
Accounting

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ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

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CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

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ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis  
or Quantitative Course

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)



- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map





### Business (Tourism), BA






School/College: W. P. Carey School of Business




Location: Tempe campus



BABUSTBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <b>W. P. Carey mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete CIS 105 with a grade of "C" or better.			
 Complete MAT 210 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
		<b>Minimum</b>	

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>New transfer students will take WPC 347</li> <li>Explore <a href="#">career resources</a></li> <li>Develop your <a href="#">professional online presence</a></li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Attend <a href="#">W. P. Carey and ASU Career Fairs</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E.			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Attend <a href="#">W. P. Carey and ASU career fairs</a></li> <li>Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division General Studies Elective	3		
 Business Skills Courses: No Grades of D or E.			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 Tourism Concentration Elective	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>Update your <a href="#">resume</a></li> </ul>	
ENG 302: Business Writing (L)	3			
FIN 300: Fundamentals of Finance	3	C		
MGT 300: Organization and Management Leadership	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Humanities, Arts and Design (HU)	3			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:		15.25		

Term 6 78.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Tourism Concentration Elective	3	C	<ul style="list-style-type: none"> <li>Complete <a href="#">informational interviews</a></li> <li>Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	

Upper Division Elective 2

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 14

Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Tourism Concentration Elective	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU Career Fairs</li> <li>Gather professional references</li> <li>Update your resume</li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR MGT 484: Internship	3		
Term hours subtotal:	15		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:			<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
Upper Division Tourism Concentration Elective	6	C	
WPC 448: Senior Career Transition Management	0.25	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Tourism Concentration Electives - select five courses (15 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	Quantitative Course
PRM 145: Special Events Management	AGB 302: International Management and Agribusiness (G)	ACO 100: All About Data: Design, Query, and Visualization (CS)
TDM 225: Introduction to Resort and Hotel Management	ECN 306: Survey of International Economics (SB & G)	EDS 223: Design Thinking
TDM 345: Meeting and Convention Planning	MGT 302: Principles of International Business (G)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
TDM 350: Tourism, Recreation and Sports Marketing	MKT 425: Global Marketing Management (G)	
TDM 372: Tourism Planning (L)	SCM 463: Global Supply Chain Management (G)	
TDM 386: Convention Sales and Management		
TDM 415: Tourism Transportation Systems		
TDM 448: Heritage and Cultural Tourism		
TDM 458: International Tourism (G)		
TDM 475: Entrepreneurial Recreation and Tourism		

TDM 480: Sustainable Tourism		
TDM 483: Sports Tourism		
TDM 484: Internship		
General Studies Electives	General Studies Electives Continued	Business Skills Courses - No Grades of D or E
ASL 101: American Sign Language I	LAT 101: Elementary Latin	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ASL 102: American Sign Language II	LAT 102: Elementary Latin	
ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures	
BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry	
CHI 110: Intensive Chinese I	MAT 342: Linear Algebra	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus	
COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II	
COM 281: Communication Activities	MAT 410: Introduction to General Topology	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics	
COM 341: Social Contexts for Performance	MAT 416: Graph Theory	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra	
COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra	MAT 210: Brief Calculus (MA) or MAT 271: Calculus with Analytic Geometry II (MA)
COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra	
COM 465: Intercultural Communication Workshop	MAT 445: Theory of Numbers	MAT 211: Mathematics for Business Analysis or MAT 270: Calculus with Analytic Geometry I (MA)
ENG 210: Introduction to Creative Writing	MAT 460: Vector Calculus	
ENG 213: Introduction to the Study of Language	MAT 461: Applied Complex Analysis	MAT 211: Mathematics for Business Analysis or Quantitative course
ENG 310: Intermediate Creative Writing	MAT 462: Applied Partial Differential Equations	
ENG 314: Modern Grammar	MAT 472: Intermediate Real Analysis I	
ENG 345: Selected Authors or Issues	MAT 475: Differential Equations	
FAS 301: Introduction to Parenting	MAT 485: History of Mathematics	
GCU 433: Geography of Southeast Asia	ROM 101: Elementary Romanian Language and Culture I	
GRK 101: Elementary Ancient Greek	ROM 201: Intermediate Romanian Language and Culture I	
GRK 201: Intermediate Ancient Greek	ROM 313: Romanian Composition and Conversation	
HST 389: Japan Society and Values/Premod	ROM 314: Romanian Composition and Conversation	
JPN 110: Intensive Japanese I	RUS 101: Elementary Russian I	
	RUS 102: Elementary Russian II	

IDN 101: Elementary Indonesian I	SPA 101: Elementary Spanish I
IDN 102: Elementary Indonesian II	SPA 102: Elementary Spanish II
JPN 206: Japanese Calligraphy	SPA 111: Fundamentals of Spanish
JPN 414: Introduction to Classical Japanese	SPA 486: Chicano/a Novel: <i>Áltima, Rafa y Lala</i>
KOR 101: First-Year Korean I	UNI 110: Critical Reading and Thinking
KOR 102: First-Year Korean II	WPC 150: Business and Society

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition











General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map Business (Tourism), BA

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABUSTBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
SOC course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	

PSY course (SB) 3

- ❖ Business Skills Courses: No Grades of D or E
  - ❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
  - ❖ Minimum 2.00 GPA ASU Cumulative.
- Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">career resources</a>.</li> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	9		







Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your <a href="#">professional online presence</a></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
❖ Business Skills Courses: No Grades of D or E			
❖ Complete ECN 211 AND ECN 212.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 55.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU</a> career fairs</li> <li>• Apply for <a href="#">internships</a> or <a href="#">create one</a></li> </ul>
❖ TDM 205: Introduction to Travel and Tourism (G)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Literacy and Critical Inquiry (L)	3		
❖ Business Skills Courses: No Grades of D or E			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 300: Marketing and Business Performance	3	C	<ul style="list-style-type: none"> <li>• Meet with your <a href="#">W. P. Carey Career Coach</a></li> <li>• Update your <a href="#">resume</a></li> </ul>
★ SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		



<b>Term 5 - B 68.75 - 77.75 Credit Hours Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
ENG 302: Business Writing (L)	3		
Tourism Concentration Elective	3	C	
Term hours subtotal:	9		
<b>Term 6 - A 77.75 - 85.75 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
WPC 300: Problem Solving and Actionable Analytics	3	C	<ul style="list-style-type: none"> <li>• Complete informational interviews</li> </ul>
Upper Division International Business Course AND Global Awareness (G)	3	C	
Upper Division Elective	2		
Term hours subtotal:	8		
<b>Term 6 - B 85.75 - 92.75 Credit Hours Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 FIN 300: Fundamentals of Finance	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	7		
<b>Term 7 - A 92.75 - 98.75 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Upper Division Tourism Concentration Elective	3	C	<ul style="list-style-type: none"> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
Upper Division Elective OR WPC 484: Internship	3		
Term hours subtotal:	6		
<b>Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 LES 305: Business Law and Ethics for Managers	3	C	<ul style="list-style-type: none"> <li>• Gather professional references</li> <li>• Update your resume</li> </ul>
Upper Division Tourism Concentration Elective	3	C	
Upper Division General Studies Elective	3		
Term hours subtotal:	9		
<b>Term 8 - A 107.75 - 114.00 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
WPC 448: Senior Career Transition Management	0.25	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> </ul>
Upper Division Tourism Concentration Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6.25		
<b>Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 Upper Division Tourism Concentration Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

<b>Quantitative Course</b>	<b>Tourism Concentration Electives - select five courses (15 credit hours)</b>	<b>International Business Course - select one course (3 credit hours)</b>
ACO 100: All About Data: Design, Query, and Visualization (CS)	PRM 145: Special Events Management	AGB 302: International Management and Agribusiness (G)
EDS 223: Design Thinking	TDM 225: Introduction to Resort and Hotel Management	ECN 306: Survey of International Economics (SB & G)
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	TDM 345: Meeting and Convention Planning	MGT 302: Principles of International Business (G)
	TDM 350: Tourism, Recreation and Sports Marketing	MKT 425: Global Marketing Management (G)
	TDM 386: Convention Sales and Management	SCM 463: Global Supply Chain Management (G)
	TDM 448: Heritage and Cultural Tourism	
	TDM 458: International Tourism (G)	
	TDM 475: Entrepreneurial Recreation and Tourism	
	TDM 480: Sustainable Tourism	
	TDM 483: Sports Tourism	
	TDM 484: Internship	
<b>General Studies Electives</b>	<b>Business Skills Courses - No Grades of D or E</b>	
BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	
COM 207: Introduction to Communication Inquiry	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	
COM 259: Communication in Business and the Professions	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)	
COM 312: Communication, Conflict, and Negotiation	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	
COM 414: Crisis Communication	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)	
COM 430: Leadership in Group Communication	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)	
COM 453: Communication Training and Development		
ENG 210: Introduction to Creative Writing		
ENG 310: Intermediate Creative Writing		
ENG 345: Selected Authors or Issues		
FAS 301: Introduction to Parenting		

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

ROM 101: Elementary Romanian Language and Culture I

SPA 101: Elementary Spanish I

SPA 102: Elementary Spanish II

WPC 150: Business and Society

MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)

MAT 211: Mathematics for Business Analysis or Quantitative Course

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Business Data Analytics, BS





School/College: W. P. Carey School of Business







Location: Tempe campus

BABDABS

#### **FT** Fast Track Options: 3 Year






A student must speak with an advisor in order to be added to a fast track plan.







Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		





Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Join the W. P. Carey <b>mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete MAT 210 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 15.25

- Research **study abroad opportunities** recommended for your major

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Explore <b>career resources</b></li> <li>• Develop your <b>professional online presence</b></li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Attend <b>W. P. Carey and ASU Career Fairs</b></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 OR ECN 212 with a grade of "C" or better.			
 Complete MAT 211 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25		

Term 4 47.50 - 60.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CIS 235: Introduction to Information Systems	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey and ASU career fairs</b></li> <li>• Apply for <b>internships</b> or <b>create one</b></li> </ul>	
ACC 241: Uses of Accounting Information II	3	C		
General Studies Elective	3			
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4			
 Business Skills Courses: No Grades of D or E				
 Complete ACC 231 with a grade of "C" or better.				
 Complete ECN 221 with a grade of "C" or better.				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	13			

Term 5 60.50 - 75.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 325: Fundamental Techniques for Business Data Analytics	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
 CIS 365: Business Database Systems Development	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

Term 6 75.75 - 90.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ CIS 315: Introduction to Business Data Analytics	3	C
★ CIS 355: Business Data Warehouses and Dimensional Modeling	3	C
★ Upper Division International Business Course AND Global Awareness (G)	3	C
ENG 302: Business Writing (L)	3	
WPC 300: Problem Solving and Actionable Analytics	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

★ Term 7 90.75 - 105.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 375: Business Data Mining	3	C	<ul style="list-style-type: none"> <li>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> <li>• Gather professional references</li> <li>• Update your resume</li> </ul>
★ CIS 415: Big Data Analytics in Business	3	C	
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
Complete FIN 300 AND LES 305 AND MGT 300 AND			
★ International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	15		

★ Term 8 105.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 450: Enterprise Analytics	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
General Studies Elective	2		
Elective OR CIS 484: Internship OR WPC 484: Internships & Applied Academics	3		
Term hours subtotal:	14.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
	ASL 202: American Sign Language IV	MAT 310: Introduction to Geometry

MGT 302: Principles of International Business (G)	BIO 320: Fundamentals of Ecology	MAT 342: Linear Algebra
MKT 425: Global Marketing Management (G)	CHI 110: Intensive Chinese I	MAT 370: Intermediate Calculus
SCM 463: Global Supply Chain Management (G)	CHI 205: Chinese Calligraphy	MAT 371: Advanced Calculus I
	COM 207: Introduction to Communication Inquiry	MAT 372: Advanced Calculus II
	COM 259: Communication in Business and the Professions	MAT 410: Introduction to General Topology
	COM 281: Communication Activities	MAT 415: Introduction to Combinatorics
	COM 312: Communication, Conflict, and Negotiation	MAT 416: Graph Theory
	COM 341: Social Contexts for Performance	MAT 442: Advanced Linear Algebra
	COM 414: Crisis Communication	MAT 443: Introduction to Abstract Algebra
	COM 430: Leadership in Group Communication	MAT 444: Intermediate Abstract Algebra
	COM 453: Communication Training and Development	MAT 445: Theory of Numbers
	COM 465: Intercultural Communication Workshop	MAT 460: Vector Calculus
	ENG 210: Introduction to Creative Writing	MAT 461: Applied Complex Analysis
	ENG 213: Introduction to the Study of Language	MAT 462: Applied Partial Differential Equations
	ENG 310: Intermediate Creative Writing	MAT 472: Intermediate Real Analysis I
	ENG 314: Modern Grammar	MAT 475: Differential Equations
	ENG 345: Selected Authors or Issues	MAT 485: History of Mathematics
	FAS 301: Introduction to Parenting	ROM 101: Elementary Romanian Language and Culture I
	GCU 433: Geography of Southeast Asia	ROM 201: Intermediate Romanian Language and Culture I
	GRK 101: Elementary Ancient Greek	ROM 313: Romanian Composition and Conversation
	GRK 201: Intermediate Ancient Greek	ROM 314: Romanian Composition and Conversation
	HST 389: Japan Society and Values/Pre-mod	RUS 101: Elementary Russian I
	JPN 110: Intensive Japanese I	RUS 102: Elementary Russian II
	IDN 101: Elementary Indonesian I	SPA 101: Elementary Spanish I
	IDN 102: Elementary Indonesian II	SPA 102: Elementary Spanish II
	JPN 206: Japanese Calligraphy	SPA 111: Fundamentals of Spanish
	JPN 414: Introduction to Classical Japanese	SPA 486: Chicano/a Novel: <i>Áltime</i> , <i>Rafa y Lala</i>
	KOR 101: First-Year Korean I	UNI 110: Critical Reading and Thinking
	KOR 102: First-Year Korean II	WPC 150: Business and Society

Business Skills Courses - No Grades of D or E

ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC

261: Honors Fundamentals of Financial Accounting

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ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting

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CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)

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ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.















## 2021 - 2022 Major Map

### Business Data Analytics, BS

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BABDABS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a></li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will</li> </ul>
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

instead complete three hours of elective credit.

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore career resources.</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your professional online presence</li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
General Studies Elective	3		
⚠ Business Skills Courses: No Grades of D or E.			
⚠ Complete ECN 211 AND ECN 212.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend W. P. Carey and ASU career fairs</li> <li>• Apply for internships or create one</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
General Studies Elective	2		
⚠ Business Skills Courses: No Grades of D or E.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 5 - A 59.50 - 65.75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ CIS 235: Introduction to Information Systems	3	C	<ul style="list-style-type: none"> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Update your resume</li> </ul>
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		

Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
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★ CIS 325: Fundamental Techniques for Business Data Analytics	3	C
★ CIS 365: Business Database Systems Development	3	C
ENG 302: Business Writing (L)	3	
Term hours subtotal:	9	

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.

★ Term 6 - A 74.75 - 83.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 315: Introduction to Business Data Analytics	3	C	<ul style="list-style-type: none"> <li>• Complete informational interviews</li> </ul>
★ CIS 355: Business Data Warehouses and Dimensional Modeling	3	C	
SCM 300: Global Supply Operations	3	C	
Term hours subtotal:	9		

★ Term 6 - B 83.75 - 89.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 375: Business Data Mining	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
Upper Division International Business Elective AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

★ Term 7 - A 89.75 - 98.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 415: Big Data Analytics in Business	3	C	<ul style="list-style-type: none"> <li>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	9		

★ Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 450: Enterprise Analytics	3	C	<ul style="list-style-type: none"> <li>• Gather professional references</li> <li>• Update your resume</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	9		

★ Term 8 - A 107.75 - 114.00 Credit Hours	Hours	Minimum Grade	Notes
WPC 300: Problem Solving and Actionable Analytics	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Elective OR CIS 484: Internship OR WPC 484: Internships & Applied Academics	3		
Term hours subtotal:	6.25		

★ Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Term hours subtotal: 6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	Business Skills Courses - No Grades of D or E
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
	COM 430: Leadership in Group Communication	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
	COM 453: Communication Training and Development	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
	ENG 210: Introduction to Creative Writing	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	
	FAS 301: Introduction to Parenting	
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	ROM 101: Elementary Romanian Language and Culture I	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	
	WPC 150: Business and Society	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Business Entrepreneurship, BS





School/College: W. P. Carey School of Business







Location: Tempe campus

BABUENTBS

#### **FT** Fast Track Options: 3 Year






A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC 101: Introductory Sociology (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		





Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation.</li> <li>PSY 101 or SOC 101 is a prerequisite to MGT 320 in term 7</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
PSY 101: Introduction to Psychology (SB)	3		
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 15.25





- Explore student **leadership opportunities** and **mentorship programs** in W. P. Carey
- Research **study abroad opportunities** recommended for your major

Term 3 31.25 - 46.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Explore <b>career resources</b></li> <li>• Develop your <b>professional online presence</b></li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Attend <b>W. P. Carey and ASU Career Fairs</b></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Elective ( ENT 290 recommended)	3		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 or ECN 212 with a grade of "C" or better.			
 Complete MAT 211 with a grade of "C" or better.			
 Minimum 2.50 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 15.25

Term 4 46.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Apply for <b>internships</b> or <b>create one</b></li> <li>• Develop your <b>professional online presence</b></li> </ul>
ENT 305: Principles of Entrepreneurship	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Upper Division Elective	1		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 17

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ENT 360: Entrepreneurship and Value Creation	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
 MGT 300: Organization and Management Leadership	3	C	
ENG 302: Business Writing (L)	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
 Complete ACC 241 with a grade of "C" or better.			

Term hours subtotal: 15.25

Term 6 78.75 - 94.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division ENT Track Course	3	C	<ul style="list-style-type: none"> <li>Students choose one track option from the following: ENT Startup, ENT Finance, ENT Management, or ENT Studies. View track group below for course options.</li> <li>Complete <b>informational interviews</b></li> <li>Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> </ul>
FIN 300: Fundamentals of Finance	3	C	
MGT 302: Principles of International Business (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		16	

Term 7 94.75 - 106.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 320: Organizational Behavior	3	C	<ul style="list-style-type: none"> <li>Students choose one track option from the following: ENT Startup, ENT Finance, ENT Management, or ENT Studies. View track group below for course options.</li> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend <b>W. P. Carey</b> and <b>ASU Career Fairs</b></li> <li>Gather <b>professional references</b></li> <li>Update your <b>resume</b></li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Elective OR ENT 484: Internship OR WPC 484: Internship	3		
Complete FIN 300 AND LES 305 AND MGT 300 AND MGT 302			
★ or International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:		12	

Term 8 106.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b></li> <li>Meet with your academic advisor to discuss your internship course options</li> </ul>
★ Upper Division ENT Track Course	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Entrepreneurship Elective	3	C	
General Studies Elective	3		
Upper Division Elective	1		
Term hours subtotal:		13.25	

- Students choose one track option from the following: ENT Startup, ENT Finance, ENT Management, or ENT Studies. View track group below for course options.
  - Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)



ENT Management Track - select two courses (6 credit hrs)	ENT Finance Track - select two courses (6 credit hrs)	ENT Start Up Track - complete two courses (6 credit hrs)
ENT 441: Entrepreneurial Management	ENT 446: Venture Capital Experience	ENT 446: Venture Capital Experience
ENT 448: Corporate Entrepreneurship	FIN 455: Entrepreneurial Finance	ENT 447: Lean Launch
MKT 435: Entrepreneurial Marketing		
MKT 440: Creating Digital Experiences		
ENT Studies Track - select two courses (6 credit hrs)	Upper Division Entrepreneurship Elective - select one course (3 credit hours)	Upper Division International Business Course - select one course (3 credit hours)
ENT 340: Creativity and Innovation (L or HU)	ENT 340: Creativity and Innovation (L or HU)	AGB 302: International Management and Agribusiness (G)
ENT 441: Entrepreneurial Management	ENT 441: Entrepreneurial Management	ECN 306: Survey of International Economics (SB & G)
ENT 446: Venture Capital Experience	ENT 446: Venture Capital Experience	MGT 302: Principles of International Business (G)
ENT 447: Lean Launch	ENT 447: Lean Launch	MKT 425: Global Marketing Management (G)
ENT 448: Corporate Entrepreneurship	ENT 448: Corporate Entrepreneurship	SCM 463: Global Supply Chain Management (G)
ENT 464: Collaborative Design Development I (L)	ENT 464: Collaborative Design Development I (L)	
ENT 465: Collaborative Design Development II (L)	ENT 465: Collaborative Design Development II (L)	
ENT 484: Internship	ENT 484: Internship	
ENT 493: Honors Thesis (L)	ENT 493: Honors Thesis (L)	
FIN 455: Entrepreneurial Finance	FIN 455: Entrepreneurial Finance	
MGT 310: Collaborative Team Skills	MGT 310: Collaborative Team Skills	
MGT 411: Leading Organizations	MGT 411: Leading Organizations	
MGT 420: Human Resource Management	MGT 420: Human Resource Management	
MGT 430: Negotiations	MGT 430: Negotiations	
MGT 450: Consulting Projects (L)	MGT 450: Consulting Projects (L)	
MKT 435: Entrepreneurial Marketing	MKT 435: Entrepreneurial Marketing	
MKT 440: Creating Digital Experiences	MKT 440: Creating Digital Experiences	
Business Skills Courses - No Grades of D or E	General Studies Electives	General Studies Electives Continued
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	ASL 101: American Sign Language I	LAT 101: Elementary Latin
	ASL 102: American Sign Language II	LAT 102: Elementary Latin
	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra
CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
		MAT 372: Advanced Calculus II

ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	COM 259: Communication in Business and the Professions	MAT 410: Introduction to General Topology
ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)	COM 281: Communication Activities	MAT 415: Introduction to Combinatorics
ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)	COM 312: Communication, Conflict, and Negotiation	MAT 416: Graph Theory
MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)	COM 341: Social Contexts for Performance	MAT 442: Advanced Linear Algebra
MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)	COM 414: Crisis Communication	MAT 443: Introduction to Abstract Algebra
	COM 430: Leadership in Group Communication	MAT 444: Intermediate Abstract Algebra
	COM 453: Communication Training and Development	MAT 445: Theory of Numbers
	COM 465: Intercultural Communication Workshop	MAT 460: Vector Calculus
	ENG 210: Introduction to Creative Writing	MAT 461: Applied Complex Analysis
	ENG 213: Introduction to the Study of Language	MAT 462: Applied Partial Differential Equations
	ENG 310: Intermediate Creative Writing	MAT 472: Intermediate Real Analysis I
	ENG 314: Modern Grammar	MAT 475: Differential Equations
	ENG 345: Selected Authors or Issues	MAT 485: History of Mathematics
FAS 301: Introduction to Parenting		ROM 101: Elementary Romanian Language and Culture I
GCU 433: Geography of Southeast Asia		ROM 201: Intermediate Romanian Language and Culture I
GRK 101: Elementary Ancient Greek		ROM 313: Romanian Composition and Conversation
GRK 201: Intermediate Ancient Greek		ROM 314: Romanian Composition and Conversation
HST 389: Japan Society and Values/Premod		RUS 101: Elementary Russian I
IDN 101: Elementary Indonesian I		RUS 102: Elementary Russian II
IDN 102: Elementary Indonesian II		SPA 101: Elementary Spanish I
JPN 110: Intensive Japanese I		SPA 102: Elementary Spanish II
JPN 206: Japanese Calligraphy		SPA 111: Fundamentals of Spanish
JPN 414: Introduction to Classical Japanese		SPA 486: Chicano/a Novel: <i>Áltimea</i> , <i>Rafa y Lala</i>
KOR 101: First-Year Korean I		UNI 110: Critical Reading and Thinking
KOR 102: First-Year Korean II		WPC 150: Business and Society

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Business Exploratory

School/College: W. P. Carey School of Business

Location: Tempe campus

BABUSEXP

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.</li> <li>Complete the <a href="#">me3</a> career interest tool</li> <li>Join a student <a href="#">club or organization</a></li> <li>Create your first college <a href="#">resume</a></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <a href="#">academic advisor</a> for more information and options.</li> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Explore student <a href="#">leadership opportunities</a> in W. P. Carey</li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY course (SB)	3		
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	
ECN 212: Microeconomic Principles (SB)	3	C
ECN 221: Business Statistics (CS)	3	C
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C
Natural Science - Quantitative (SQ)	4	
❖ Business Skills Courses: No Grades of D or E		
❖ Complete ECN 211 or ECN 212 with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Milestone: Selection of a major.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		16.25

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore [career resources](#)
- Develop your [professional online presence](#)
- Meet with your [W. P. Carey Career Coach](#)
- Attend [W. P. Carey and ASU Career Fairs](#)
- Must declare major by end of term 3

- - Must declare major by the end of Term 3.
  - Changes of major into this program are not allowed.

#### Hide Course List(s)/Track Group(s)

Business Skills Courses - No Grades of D or E
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 47.5

**Upper Division Hours:** 51 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Computer Information Systems, BS





School/College: W. P. Carey School of Business





Location: Tempe campus

BACISBS

#### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Join the W. P. Carey <b>mentorship programs</b></li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

◆ Complete MAT 210 with a grade of "C" or better.

◆ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 15.25

- Explore student **leadership opportunities** in W. P. Carey
- Research **study abroad opportunities** recommended for your major

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
PSY course (SB)	3		
Natural Science - Quantitative (SQ)	4		
◆ Business Skills Courses: No Grades of D or E			
◆ Complete ECN 211 OR ECN 212 with a grade of "C" or better.			
◆ Complete MAT 211 with a grade of "C" or better.			
◆ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25		

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore **career resources**
- Develop your **professional online presence**
- Meet with your **W. P. Carey Career Coach**
- Attend **W. P. Carey and ASU Career Fairs**

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ CIS 235: Introduction to Information Systems	3	C	
ACC 241: Uses of Accounting Information II	3	C	
General Studies Elective	4		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	1		
◆ Business Skills Courses: No Grades of D or E			
◆ Complete ACC 231 with a grade of "C" or better.			
◆ Complete ECN 221 with a grade of "C" or better.			
◆ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Attend **W. P. Carey and ASU career fairs**
- Apply for **internships** or **create one**

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CIS 340: Business Information System Development I	3	C	
★ CIS 365: Business Database Systems Development	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your **academic advisor** for more information and options.
- Meet with your **W. P. Carey Career Coach**
- Update your **resume**

Minimum



Term 6 77.75 - 92.75 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ CIS 345: Business Information System Development II	3	C	<ul style="list-style-type: none"> <li>• Complete informational interviews</li> <li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> </ul>
★ CIS 425: Web Technologies for the Enterprise	3	C	
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 401: Managing Cyber Risks in Enterprise Business Processes	3	C	<ul style="list-style-type: none"> <li>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>• Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>• Gather professional references</li> <li>• Update your resume</li> </ul>
★ CIS 430: Mobile Platforms for Business	3	C	
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	15		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 440: Capstone in Information Systems (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective OR CIS 484: Internship OR WPC 484: Internships & Applied Academics	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures

MGT 302: Principles of International Business (G)	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
MKT 425: Global Marketing Management (G)	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra
SCM 463: Global Supply Chain Management (G)	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
	COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
	COM 281: Communication Activities	MAT 410: Introduction to General Topology
	COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics
	COM 341: Social Contexts for Performance	MAT 416: Graph Theory
	COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra
	COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra
	COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra
	COM 465: Intercultural Communication Workshop	MAT 445: Theory of Numbers
ENG 210: Introduction to Creative Writing	ENG 213: Introduction to the Study of Language	MAT 460: Vector Calculus
ENG 310: Intermediate Creative Writing	ENG 314: Modern Grammar	MAT 461: Applied Complex Analysis
ENG 345: Selected Authors or Issues	FAS 301: Introduction to Parenting	MAT 462: Applied Partial Differential Equations
GCU 433: Geography of Southeast Asia	GRK 101: Elementary Ancient Greek	MAT 472: Intermediate Real Analysis I
GRK 201: Intermediate Ancient Greek	HST 389: Japan Society and Values/Premod	MAT 475: Differential Equations
IDN 101: Elementary Indonesian I	IDN 102: Elementary Indonesian II	MAT 485: History of Mathematics
JPN 110: Intensive Japanese I	JPN 206: Japanese Calligraphy	ROM 101: Elementary Romanian Language and Culture I
JPN 414: Introduction to Classical Japanese	KOR 101: First-Year Korean I	ROM 201: Intermediate Romanian Language and Culture I
KOR 102: First-Year Korean II		ROM 313: Romanian Composition and Conversation
		ROM 314: Romanian Composition and Conversation
		RUS 101: Elementary Russian I
		RUS 102: Elementary Russian II
		SPA 101: Elementary Spanish I
		SPA 102: Elementary Spanish II
		SPA 111: Fundamentals of Spanish
		SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa y Lala</i>
		UNI 110: Critical Reading and Thinking
		WPC 150: Business and Society

Business Skills Courses - No Grades of D or E

ACC 231: Uses of Accounting Information I  
or ACC 232: Financial Accounting I or ACC  
261: Honors Fundamentals of Financial  
Accounting

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ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

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CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

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ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis  
or MAT 271: Calculus with Analytic  
Geometry II (MA)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Computer Information Systems, BS

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BACISBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
WPC 150: Business and Society	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete 3 hours of elective credit.</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	

- ❖ Business Skills Courses: No Grades of D or E

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- ❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

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- ❖ Minimum 2.00 GPA ASU Cumulative.

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Term hours subtotal: 6

<b>Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ❖</b>	Hours	Minimum Grade	Notes
❖ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>Explore career resources.</li> <li>Meet with your W. P. Carey Career Coach</li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
PSY course (SB)	3		
Term hours subtotal:		9	

<b>Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ❖</b>	Hours	Minimum Grade	Notes
❖ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>Explore career resources.</li> <li>Meet with your W. P. Carey Career Coach</li> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
<ul style="list-style-type: none"> <li>❖ Business Skills Courses: No Grades of D or E</li> <hr/> <li>❖ Complete ECN 211 AND ECN 212.</li> <hr/> <li>❖ Minimum 2.00 GPA ASU Cumulative.</li> <hr/> <li>Complete Mathematics (MA) requirement.</li> <hr/> </ul>			
Term hours subtotal:		6.25	

<b>Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by ❖</b>	Hours	Minimum Grade	Notes
❖ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Attend W. P. Carey and ASU career fairs</li> <li>Apply for internships or create one</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:		7	

<b>Term 4 - B 53.50 - 61.50 Credit Hours Critical course signified by ❖</b>	Hours	Minimum Grade	Notes
General Studies Elective	4		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
<ul style="list-style-type: none"> <li>❖ Business Skills Courses: No Grades of D or E</li> <hr/> <li>❖ Minimum 2.00 GPA ASU Cumulative.</li> <hr/> </ul>			
Term hours subtotal:		8	

<b>Term 5 - A 61.50 - 67.75 Credit Hours Necessary course signified by ★</b>	Hours	Minimum Grade	Notes
★ CIS 235: Introduction to Information Systems	3	C	<ul style="list-style-type: none"> <li>Meet with your W. P. Carey Career Coach</li> <li>Update your resume</li> </ul>
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:		6.25	

<b>Term 5 - B 67.75 - 76.75 Credit Hours Necessary course signified by ★</b>	Hours	Minimum Grade	Notes
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★ CIS 340: Business Information System Development I	3	C
MGT 300: Organization and Management Leadership	3	C
SCM 300: Global Supply Operations	3	C
Term hours subtotal:	9	

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.

★ Term 6 - A 76.75 - 82.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 365: Business Database Systems Development	3	C	• Complete informational interviews
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		

★ Term 6 - B 82.75 - 91.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 345: Business Information System Development II	3	C	• Complete an in person or virtual practice interview with your W. P. Carey Career Coach
FIN 300: Fundamentals of Finance	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

★ Term 7 - A 91.75 - 98.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 425: Web Technologies for the Enterprise	3	C	• All upper-division Business Core classes (including an International Business course) must be completed before enrolling in WPC 480 • Attend W. P. Carey and ASU Career Fairs
ENG 302: Business Writing (L)	3		
Elective	1		
Term hours subtotal:	7		

★ Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 401: Managing Cyber Risks in Enterprise Business Processes	3	C	• Gather professional references • Update your resume
★ CIS 430: Mobile Platforms for Business	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	9		

★ Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ CIS 440: Capstone in Information Systems (L)	3	C	• Apply for full-time career opportunities
WPC 448: Senior Career Transition Management	0.25	C	
Elective OR WPC 484: Internships & Applied Academics	3		
Term hours subtotal:	6.25		

★ Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division  
Social-Behavioral Sciences (SB) 3

Term hours subtotal: 6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)	General Studies Electives	Business Skills Courses - No Grades of D or E
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
	COM 430: Leadership in Group Communication	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
	COM 453: Communication Training and Development	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
	ENG 210: Introduction to Creative Writing	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	
	FAS 301: Introduction to Parenting	
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	ROM 101: Elementary Romanian Language and Culture I	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	
	WPC 150: Business and Society	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.



**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Economics, BS











School/College: W. P. Carey School of Business

Location: Tempe campus

BAECNBS






### **FT** Fast Track Options: 3 Year






A student must speak with an advisor in order to be added to a fast track plan.



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16-17		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 211: Mathematics for Business Analysis OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Join the W. P. Carey <b>mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete CIS 105 with a grade of "C" or better.			
 Complete MAT 210 OR MAT 270 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 15.25-16.25

- Research study abroad opportunities recommended for your major

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Explore career resources</li> <li>• Develop your professional online presence</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E.			
 Complete ECN 211 AND ECN 212 with grades of "C" or better.			
 Complete MAT 211 OR MAT 271 with grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.			
Term hours subtotal:		16.25	

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.</li> <li>• Attend W. P. Carey and ASU career fairs</li> <li>• Apply for internships or create one</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Upper Division Elective	2		
 Business Skills Courses: No Grades of D or E.			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 ECN 312: Intermediate Microeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Update your resume</li> </ul>	
ENG 302: Business Writing (L)	3			
FIN 300: Fundamentals of Finance	3	C		
MGT 300: Organization and Management Leadership	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
General Studies Elective	3			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:		15.25		

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C
ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C
MKT 300: Marketing and Business Performance	3	C
SCM 300: Global Supply Operations	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- 3 credit hours maximum of ECN 484 is allowed
- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G)	3	C
LES 305: Business Law and Ethics for Managers	3	C
ECN 4** Elective	3	C
Upper Division Economics Elective	3	C
Elective OR ECN 484: Internship OR WPC 484: Internship	3	
★ Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND ECN 306 or ECN 360 or ECN 436 or ECN 438 course(s).		
Term hours subtotal:	15	

- 3 credit hours maximum of ECN 484 is allowed.
- All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480
- Attend **W. P. Carey** and **ASU Career Fairs**
- Gather **professional references**
- Update your **resume**

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ECN 475: Capstone in Economics (L)	3	C
★ WPC 480: W. P. Carey Capstone Course (L)	3	C
WPC 448: Senior Career Transition Management	0.25	C
ECN 4** Elective	3	C
Elective	3	
Term hours subtotal:	12.25	

- Apply for **full-time career opportunities**
- Meet with your academic advisor to discuss your internship course options

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Economics Electives	General Studies Electives	General Studies Electives Continued
ECN 306: Survey of International Economics (SB & G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 315: Money & Banking	ASL 102: American Sign Language II	LAT 102: Elementary Latin
ECN 331: Economics of the European Economic Union (SB & G)	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry

ECN 335: South Asia and the World Economy (SB & G)	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra
ECN 342: Sports Economics	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
ECN 345: Survey of Environmental and Resource Economics	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
ECN 355: Economics of Healthcare	COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
ECN 360: Economic Development (SB & G)	COM 281: Communication Activities	MAT 410: Introduction to General Topology
ECN 365: Economics of Russia and Eastern Europe (SB & G)	COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics
ECN 394: Special Topics or ECN 494: Special Topics	COM 341: Social Contexts for Performance	MAT 416: Graph Theory
ECN 411: Current Analysis of the U.S. Economy	COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra
ECN 416: Game Theory and Economic Behavior	COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra
ECN 421: Labor Economics (SB)	COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra
ECN 423: Economics of Education	COM 465: Intercultural Communication Workshop	MAT 445: Theory of Numbers
ECN 436: International Trade Theory (SB & G)	ENG 210: Introduction to Creative Writing	MAT 460: Vector Calculus
ECN 438: International Monetary Economics (SB & G)	ENG 213: Introduction to the Study of Language	MAT 461: Applied Complex Analysis
ECN 441: Public Economics (SB)	ENG 310: Intermediate Creative Writing	MAT 462: Applied Partial Differential Equations
ECN 445: Environmental Economics	ENG 314: Modern Grammar	MAT 472: Intermediate Real Analysis I
ECN 453: Industrial Organization and Competition Policy	ENG 345: Selected Authors or Issues	MAT 475: Differential Equations
ECN 455: Health Economics	FAS 301: Introduction to Parenting	MAT 485: History of Mathematics
ECN 470: Mathematical Economics	GCU 433: Geography of Southeast Asia	ROM 101: Elementary Romanian Language and Culture I
ECN 484: Internship	GRK 101: Elementary Ancient Greek	ROM 201: Intermediate Romanian Language and Culture I
ECN 493: Honors Thesis (L)	GRK 201: Intermediate Ancient Greek	ROM 313: Romanian Composition and Conversation
	HST 389: Japan Society and Values/Premod	ROM 314: Romanian Composition and Conversation
	JPN 110: Intensive Japanese I	RUS 101: Elementary Russian I
	IDN 101: Elementary Indonesian I	RUS 102: Elementary Russian II
	IDN 102: Elementary Indonesian II	SPA 101: Elementary Spanish I
	JPN 206: Japanese Calligraphy	SPA 102: Elementary Spanish II
	JPN 414: Introduction to Classical Japanese	SPA 111: Fundamentals of Spanish
	KOR 101: First-Year Korean I	SPA 486: Chicano/a Novel: <i>Áltima</i> , Rafa y Lala
	KOR 102: First-Year Korean II	UNI 110: Critical Reading and Thinking
		WPC 150: Business and Society

**Business Skills Courses - No Grades of D or E**

ACC 231: Uses of Accounting Information I  
or ACC 232: Financial Accounting I or ACC

261: Honors Fundamentals of Financial Accounting

ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting

CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)

ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)

ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)

ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)

MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)

MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Economics, BS

School/College: W. P. Carey School of Business

Location:

BAECNBS

and

Engineering

Management,

BSE

Ira A. Fulton Schools of Engineering

ESEMGBSE

In order to complete this concurrent degree in four years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn more](#) about summer financial aid and additional ways to cover summer costs.

Term 1 0 - 15 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ASU 101-IEE or WPC 101 meets this requirement.</li> <li>Students taking CHM 113 for the Basic Science Elective need to earn a "C" minimum grade and complete CHM 116 for the degree.</li> </ul>
⚠ MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-IEE: The ASU Experience OR WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Basic Science Elective	3-4		
⚠ Business Skills Courses: No Grades of D or E			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15-16		

Term 2 15 - 31.25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or organization</li> <li>Create your first college <a href="#">resume</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
⚠ MAT 266: Calculus for Engineers II (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	

WPC 150: Business and Society 3 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16.25

Summer 2 Session 1 31.25 - 37.25 Credit Hours	Hours	Minimum Grade	Notes
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COM 263: Elements of Intercultural Communication (SB & C & G) 3

ECN 211: Macroeconomic Principles (SB) 3 C

Term hours subtotal: 6

Summer 2 Session 2 37.25 - 43.25 Credit Hours	Hours	Minimum Grade	Notes
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ECN 212: Microeconomic Principles (SB) 3 C

PSY 101: Introduction to Psychology (SB) OR SOC course (SB) 3

Term hours subtotal: 6

Term 3 43.25 - 59.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) 4

LES 305: Business Law and Ethics for Managers 3 C

MAT 267: Calculus for Engineers III (MA) 3 C

WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management 0.25 C

Global Engineering/Sustainability/Entrepreneurship Track Course 3-4

Business Skills Courses: No Grades of D or E

Complete ECN 211 OR ECN 212 course(s).

Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25-17.25

- Students who took CHM 113 for the Basic Science Elective in term 1 must complete CHM 116 for the degree
- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore [career resources](#)
- Meet with your Career Coaches
- Develop your [professional online presence](#)

Term 4 59.50 - 77.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

IEE 380: Probability and Statistics for Engineering Problem Solving (CS) 3 C

MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) 3 C

MKT 300: Marketing and Business Performance 3 C

ECN Upper Division Elective 3 C

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Business Skills Courses: No Grades of D or E

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 18

- A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.

Summer 4 Session 1 77.50 - 83.50 Credit Hours	Hours	Minimum Grade	Notes
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ENG 302: Business Writing (L)	3	
WPC 300: Problem Solving and Actionable Analytics	3	C
Term hours subtotal:	6	

Summer 4 Session 2 83.50 - 89.50 Credit Hours	Hours	Minimum Grade	Notes
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
MGT 300: Organization and Management Leadership	3	C	
Term hours subtotal:	6		

Term 5 89.50 - 104.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Attend Career Fairs</li> <li>• Apply for internships or create one</li> <li>• Complete informational interviews</li> </ul>
★ IEE 376: Operations Research Deterministic Techniques/Applications	3	C	
IEE 300: Economic Analysis for Engineers	3	C	
IEE 385: Engineering Statistics: Probability	3	C	
IEE 431: Engineering Administration (L)	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	15.25		

Term 6 104.75 - 120.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	
★ IEE 477: System Dynamics and Thinking	3	C	
IEE 321: Ethics and Technical Communication	1	C	
IEE 369: Work Analysis and Design (L)	3	C	
IEE 381: Lean Six Sigma Methodology	3	C	
IEE 458: Project Management	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Summer 6 Session 1 120.75 - 126.75 Credit Hours	Hours	Minimum Grade	Notes
ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G)	3	C	
SCM 300: Global Supply Operations	3	C	
Term hours subtotal:	6		

Summer 6 Session 2 126.75 - 132.75 Credit Hours	Hours	Minimum Grade	Notes
MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 7 132.75 - 150.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C	

★ ECN 4** Elective	3	C
★ IEE 454: Risk Management	3	C
★ IEE 485: Systems Design Capstone I (L)	3	C
IEE 412: Introduction to Financial Engineering	3	C
IEE 474: Quality Control	3	C
Term hours subtotal:	18	

- All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480.
- A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.

Term 8 150.75 - 169.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L)	3	C	<ul style="list-style-type: none"> <li>• A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.</li> <li>• Apply for full-time career opportunities</li> </ul>
★ ECN 4** Elective	3	C	
★ IEE 456: Introduction to Systems Engineering	3	C	
★ IEE 486: Systems Design Capstone II (L)	3	C	
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
IEE 461: Production Control	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Term hours subtotal:	18.25		

Hide Course List(s)/Track Group(s)

Basic Science Elective - select one course (3-4 credit hours)	Global Engineering/Sustainability/Entrepreneurship Track - select one course (3-4 credit hours)	Business Skills Courses - No Grades of D or E
BIO 181: General Biology I (SQ)	ABS 270: Sustainable Biological Systems	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
BIO 182: General Biology II (SG)	ALA 102: Landscapes and Sustainability (HU & G)	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
BIO 201: Human Anatomy and Physiology I (SG)	CEE 181: Technological, Social, and Sustainable Systems (HU)	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
BIO 202: Human Anatomy and Physiology II (SG)	FSE 301: Entrepreneurship and Value Creation	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
BME 111: Engineering Perspectives on Biological Systems	PUP 190: Sustainable Cities ((HU or SB) & G) or SOS 111: Sustainable Cities ((HU or SB) & G)	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
CHM 113: General Chemistry I (SQ)	SES 106: Habitable Worlds (SQ)	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
GLG 101: Introduction to Geology I (Physical) (SQ)	SOS 110: Sustainable World (SB)	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
GLG 102: Introduction to Geology II (Historical) (SG & H)		MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
GLG 110: Dangerous World (SQ & G)		
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 169

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Economics, BS

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BAECNBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will</li> </ul>
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

instead complete three hours of elective credit.

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore career resources.</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your professional online presence</li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Elective	3		
⚠ Business Skills Courses: No Grades of D or E.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 53.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend W. P. Carey and ASU career fairs</li> <li>• Apply for internships or create one</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 53.50 - 62.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
⚠ Business Skills Courses: No Grades of D or E.			
⚠ Complete ECN 211 AND ECN 212.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by ⚠	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Update your resume</li> </ul>
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		

Term 5 - B 68.75 - 77.75 Credit Hours	Hours	Minimum Grade	Notes
MGT 300: Organization and Management Leadership	3	C	

MKT 300: Marketing and Business Performance	3	C
Upper Division Economics Elective	3	C
Term hours subtotal:	9	

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 77.75 - 83.75 Credit Hours	Hours	Minimum Grade	Notes
ECN 410: Applied Regression Analysis and Forecasting	3	C	• Complete informational interviews
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		

Term 6 - B 83.75 - 92.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	• Complete an in person or virtual practice interview with your W. P. Carey Career Coach
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 92.75 - 98.75 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		• All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480
ECN 4** Elective	3	C	
Term hours subtotal:	6		
			• Attend W. P. Carey and ASU Career Fairs

Term 7 - B 98.75 - 106.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G)	3	C	• Gather professional references • Update your resume
General Studies Elective	3		
Upper Division Elective	2		
★ Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND ECN 306 or ECN 360 or ECN 436 or ECN 438 course(s).			
Term hours subtotal:	8		

Term 8 - A 106.75 - 114.00 Credit Hours	Hours	Minimum Grade	Notes
ECN 4** Elective	3	C	• Apply for full-time career opportunities
WPC 448: Senior Career Transition Management	0.25	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7.25		

Term 8 - B 114.00 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L)	3	C	

★ WPC 480: W. P. Carey Capstone Course (L)

3

C

Term hours subtotal: 6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Economics Electives	General Studies Electives	Business Skills Courses - No Grades of D or E
ECN 306: Survey of International Economics (SB & G)	BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ECN 315: Money & Banking	COM 207: Introduction to Communication Inquiry	
ECN 421: Labor Economics (SB)	COM 259: Communication in Business and the Professions	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
ECN 438: International Monetary Economics (SB & G)	COM 312: Communication, Conflict, and Negotiation	
ECN 484: Internship	COM 414: Crisis Communication	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
	COM 430: Leadership in Group Communication	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
	COM 453: Communication Training and Development	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
	ENG 210: Introduction to Creative Writing	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
	FAS 301: Introduction to Parenting	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	ROM 101: Elementary Romanian Language and Culture I	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	
	WPC 150: Business and Society	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Finance, BS





School/College: W. P. Carey School of Business







Location: Tempe campus

BAFINBS

### **FT** Fast Track Options: 3 Year






A student must speak with an advisor in order to be added to a fast track plan.






Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		





Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Join the W. P. Carey <b>mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 15.25

- Research study abroad opportunities recommended for your major

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 232: Financial Accounting I OR ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• ACC 232 and ACC 242 are the recommended ACC courses for Finance students</li> <li>• Explore <b>career resources</b></li> <li>• Develop your <b>professional online presence</b></li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Attend <b>W. P. Carey and ASU Career Fairs</b></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 OR ECN 212 with a grade of "C" or better.			
 Complete MAT 211 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25		

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 242: Managerial Accounting I OR ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• If an Honors student takes FIN 303, which satisfies both FIN 302 and FIN 361, then the student must take an additional FIN 400-level course to satisfy the required hours in the major.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• ACC 232 and ACC 242 are the recommended ACC courses for Finance students</li> <li>• Attend <b>W. P. Carey</b> and ASU career fairs</li> <li>• Apply for <b>internships</b> or <b>create</b> one</li> </ul>
FIN 302: Managerial Finance OR FIN 303: Honors Finance	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 232 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 ACC 340: External Reporting I	3	C	<ul style="list-style-type: none"> <li>• If an Honors student takes FIN 303, which satisfies both FIN 302 and FIN 361, then the student must take an additional FIN 400-level course to satisfy the required hours in the major.</li> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a</li> </ul>	
 FIN 361: Advanced Managerial Finance	3	C		
ENG 302: Business Writing (L)	3			
MKT 300: Marketing and Business Performance	3	C		
SCM 300: Global Supply Operations	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
 Complete ACC 242 with a grade of "C" or better.				
Term hours subtotal:	15.25			

- delay in graduation. See your [academic advisor](#) for more information and options
- Meet with your [W. P. Carey Career Coach](#)
  - Update your [resume](#)

Term 6 78.75 - 92.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIN 421: Security Analysis and Portfolio Management	3	C	<ul style="list-style-type: none"> <li>• If an Honors student takes FIN 303, which satisfies both FIN 302 and FIN 361, then the student must take an additional FIN 400-level course to satisfy the required hours in the major</li> <li>• Complete <a href="#">informational interviews</a></li> <li>• Complete an in person or virtual practice interview with your <a href="#">W. P. Carey Career Coach</a></li> </ul>
★ Upper Division Finance Elective	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Upper Division International Business Course AND Global Awareness (G)	3	C	
Upper Division Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 92.75 - 107.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Finance Elective	3	C	<ul style="list-style-type: none"> <li>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>• Accountancy and Finance concurrent degree students may not use ACC 350 or ACC 440 as the Finance Upper Division Elective, and must take an additional Finance Upper Division Elective to replace ACC 340.</li> <li>• Attend <a href="#">W. P. Carey</a> and <a href="#">ASU Career Fairs</a></li> <li>• Gather <a href="#">professional references</a></li> <li>• Update your <a href="#">resume</a></li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
General Studies Elective	3		
Elective OR FIN 484: Internship OR WPC 484: Internship	3		
Complete FIN 300 AND LES 305 AND MGT 300 AND			
★ International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	15		

Term 8 107.75 - 120.00 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIN 461: Financial Cases and Modeling (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for <a href="#">full-time career opportunities</a></li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
General Studies Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

[Hide Course List\(s\)/Track Group\(s\)](#)

General Studies Electives

Upper Division Finance Elective - select one course (3 credit hours)	Upper Division International Business Course - select one course (3 credit hrs)	ASL 101: American Sign Language I
ACC 350: Internal Reporting	AGB 302: International Management and Agribusiness (G)	ASL 102: American Sign Language II
ACC 440: External Reporting II	ECN 306: Survey of International Economics (SB & G)	ASL 201: American Sign Language III
FIN 427: Derivative Financial Securities	MGT 302: Principles of International Business (G)	ASL 202: American Sign Language IV
FIN 331: Financial Markets and Institutions	MKT 425: Global Marketing Management (G)	BIO 320: Fundamentals of Ecology
FIN 431: Management of Financial Institutions	SCM 463: Global Supply Chain Management (G)	CHI 110: Intensive Chinese I
FIN 455: Entrepreneurial Finance		CHI 205: Chinese Calligraphy
FIN 456: International Financial Management (G)		COM 207: Introduction to Communication Inquiry
FIN 471: SIM Fund		COM 259: Communication in Business and the Professions
FIN 472: Investment Banking Industry Scholars		COM 281: Communication Activities
FIN 494: Special Topics		COM 312: Communication, Conflict, and Negotiation
		COM 341: Social Contexts for Performance
		COM 414: Crisis Communication
		COM 430: Leadership in Group Communication
		COM 453: Communication Training and Development
		COM 465: Intercultural Communication Workshop
		ENG 210: Introduction to Creative Writing
		ENG 213: Introduction to the Study of Language
		ENG 310: Intermediate Creative Writing
		ENG 314: Modern Grammar
		ENG 345: Selected Authors or Issues
		FAS 301: Introduction to Parenting
		GCU 433: Geography of Southeast Asia
		GRK 101: Elementary Ancient Greek
		GRK 201: Intermediate Ancient Greek
		HST 389: Japan Society and Values/Premod
		IDN 101: Elementary Indonesian I
		IDN 102: Elementary Indonesian II
		JPN 110: Intensive Japanese I
		JPN 206: Japanese Calligraphy
		JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Studies Electives Continued	Business Skills Courses - No Grades of D or E
LAT 101: Elementary Latin	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
LAT 102: Elementary Latin	
MAT 242: Elementary Linear Algebra	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MAT 243: Discrete Mathematical Structures	
MAT 310: Introduction to Geometry	
MAT 342: Linear Algebra	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MAT 370: Intermediate Calculus	
MAT 371: Advanced Calculus I	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
MAT 372: Advanced Calculus II	
MAT 410: Introduction to General Topology	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
MAT 415: Introduction to Combinatorics	
MAT 416: Graph Theory	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MAT 442: Advanced Linear Algebra	
MAT 443: Introduction to Abstract Algebra	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MAT 444: Intermediate Abstract Algebra	
MAT 445: Theory of Numbers	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
MAT 460: Vector Calculus	
MAT 461: Applied Complex Analysis	
MAT 462: Applied Partial Differential Equations	
MAT 472: Intermediate Real Analysis I	
MAT 475: Differential Equations	
MAT 485: History of Mathematics	
ROM 101: Elementary Romanian Language and Culture I	
ROM 201: Intermediate Romanian Language and Culture I	
ROM 313: Romanian Composition and Conversation	
ROM 314: Romanian Composition and Conversation	
RUS 101: Elementary Russian I	
RUS 102: Elementary Russian II	
SPA 101: Elementary Spanish I	

SPA 102: Elementary Spanish II

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SPA 111: Fundamentals of Spanish

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SPA 486: Chicano/a Novel: *Áltima, Rafa y Lala*

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UNI 110: Critical Reading and Thinking

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WPC 150: Business and Society

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map Management, BS





School/College: [W. P. Carey School of Business](#)







Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

BAMGTBS

### **FT** Fast Track Options: 3 Year






A student must speak with an advisor in order to be added to a fast track plan.






Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC 101: Introductory Sociology (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		




Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation.</li> <li>PSY 101 or SOC 101 is a prerequisite to MGT 320 in term 6</li> <li>Explore student <b>leadership opportunities</b> and <b>mentorship programs</b> in W. P. Carey</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY 101: Introduction to Psychology (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete CIS 105 with a grade of "C" or better.			
 Complete MAT 210 course with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 15.25

- Research study abroad opportunities recommended for your major

Term 3 31.25 - 47.50 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Explore career resources</li> <li>• Develop your professional online presence</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E.			
 Complete ECN 211 OR ECN 212 with a grade of "C" or better.			
 Complete MAT 211 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25		

Term 4 47.50 - 63.50 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.</li> <li>• Attend W. P. Carey and ASU career fairs</li> <li>• Apply for internships or create one</li> </ul>	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4			
Complete 2 courses: General Studies Elective	6			
Humanities, Arts and Design (HU)	3			
 Business Skills Courses: No Grades of D or E.				
 Complete ACC 231 with a grade of "C" or better.				
 Complete ECN 221 with a grade of "C" or better.				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			

Term 5 63.50 - 78.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes	
 MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Update your resume</li> </ul>	
ENG 302: Business Writing (L)	3	C		
MKT 300: Marketing and Business Performance	3	C		
SCM 300: Global Supply Operations	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:	15.25			

Term 6 78.75 - 93.75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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★ MGT 320: Organizational Behavior	3	C
MGT 302: Principles of International Business (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
Upper Division Management Elective	3	C
General Studies Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MGT 400: Cross-Cultural Management (C & G)	3	C
FIN 300: Fundamentals of Finance	3	C
LES 305: Business Law and Ethics for Managers	3	C
Upper Division Management Elective	3	C
Upper Division Elective	2	
Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND MGT 302 or International Business Course (G) course(s).		
Term hours subtotal:	14	

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend **W. P. Carey** and **ASU Career Fairs**
- Gather **professional references**
- Update your **resume**

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MGT 411: Leading Organizations	3	C
★ WPC 480: W. P. Carey Capstone Course (L)	3	C
WPC 448: Senior Career Transition Management	0.25	C
4** Business Elective	3	C
Elective	3	
Term hours subtotal:	12.25	

- Apply for **full-time career opportunities**

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division Management Electives - select two courses (6 credit hours)	4** Business Elective - select one course (3 credit hours)	Upper Division International Business Course - select one course (3 credit hours)
ENT 340: Creativity and Innovation (L or HU)	ACC 4** Elective	AGB 302: International Management and Agribusiness (G)
ENT 360: Entrepreneurship and Value Creation	AGB 4** Elective	ECN 306: Survey of International Economics (SB & G)
ENT 440: Entrepreneurship	CIS 4** Elective	MGT 302: Principles of International Business (G)
ENT 445: Business Model Development	ECN 4** Elective	MKT 425: Global Marketing Management (G)
ENT 446: Venture Capital Experience	ENT 4** Elective	
ENT 447: Lean Launch	FIN 4** Elective	

ENT 494: Special Topics	MGT 4** Elective	SCM 463: Global Supply Chain Management (G)
MGT 310: Collaborative Team Skills	MKT 4** Elective	
MGT 420: Human Resource Management	REA 4** Elective	
MGT 421: Compensation in Organizations	SCM 4** Elective	
MGT 422: Staffing		
MGT 423: Training and Development in Organizations		
MGT 424: Employment Law		
MGT 425: Global Human Resources		
MGT 426: HR Consulting Projects		
MGT 430: Negotiations		
MGT 450: Consulting Projects (L)		
MGT 459: International Management (G)		
MGT 484: Internship		
MGT 493: Honors Thesis (L)		
MGT 494: Special Topics		
<b>General Studies Electives</b>	<b>General Studies Electives Continued</b>	<b>Business Skills Courses - No Grades of D or E</b>
ASL 101: American Sign Language I	LAT 101: Elementary Latin	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ASL 102: American Sign Language II	LAT 102: Elementary Latin	
ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures	
BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
CHI 110: Intensive Chinese I	MAT 342: Linear Algebra	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II	
COM 281: Communication Activities	MAT 410: Introduction to General Topology	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
COM 341: Social Contexts for Performance	MAT 416: Graph Theory	
COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra	
COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra	
COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra	
	MAT 445: Theory of Numbers	
	MAT 460: Vector Calculus	
	MAT 461: Applied Complex Analysis	

COM 465: Intercultural Communication Workshop	MAT 462: Applied Partial Differential Equations
ENG 210: Introduction to Creative Writing	MAT 472: Intermediate Real Analysis I
ENG 213: Introduction to the Study of Language	MAT 475: Differential Equations
ENG 310: Intermediate Creative Writing	MAT 485: History of Mathematics
ENG 314: Modern Grammar	ROM 101: Elementary Romanian Language and Culture I
ENG 345: Selected Authors or Issues	ROM 201: Intermediate Romanian Language and Culture I
FAS 301: Introduction to Parenting	ROM 313: Romanian Composition and Conversation
GCU 433: Geography of Southeast Asia	ROM 314: Romanian Composition and Conversation
GRK 101: Elementary Ancient Greek	RUS 101: Elementary Russian I
GRK 201: Intermediate Ancient Greek	RUS 102: Elementary Russian II
HST 389: Japan Society and Values/Premod	SPA 101: Elementary Spanish I
JPN 110: Intensive Japanese I	SPA 102: Elementary Spanish II
IDN 101: Elementary Indonesian I	SPA 111: Fundamentals of Spanish
IDN 102: Elementary Indonesian II	SPA 486: Chicano/a Novel: <i>Áltima, Rafa y Lala</i>
JPN 206: Japanese Calligraphy	UNI 110: Critical Reading and Thinking
JPN 414: Introduction to Classical Japanese	WPC 150: Business and Society
KOR 101: First-Year Korean I	
KOR 102: First-Year Korean II	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition












General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map Management, BS

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BAMGTBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a></li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC 101: Introductory Sociology (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will</li> </ul>
PSY 101: Introduction to Psychology (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

instead  
complete three hours of elective  
credit.

- PSY 101 or SOC 101 is a prerequisite to MGT 320 in term 6A

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore career resources.</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your professional online presence</li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
General Studies Elective	3		
⚠ Business Skills Courses: No Grades of D or E.			
⚠ Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 55.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend W. P. Carey and ASU career fairs</li> <li>• Apply for internships or create one</li> </ul>
General Studies Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
General Studies Elective	3		
Natural Science - Quantitative (SQ)	4		
⚠ Business Skills Courses: No Grades of D or E.			
⚠ Complete ECN 211 AND ECN 212.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 62.50 - 68.75 Credit Hours	Hours	Minimum Grade	Notes
MKT 300: Marketing and Business Performance	3	C	<ul style="list-style-type: none"> <li>• Meet with your W. P. Carey Career Coach</li> </ul>
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		

Term 5 - B 68.75 - 77.75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
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★ MGT 300: Organization and Management Leadership	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		

★ Term 6 - A 77.75 - 84.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MGT 320: Organizational Behavior	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

★ Term 6 - B 84.75 - 93.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
MGT 302: Principles of International Business (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

★ Term 7 - A 93.75 - 99.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MGT 400: Cross-Cultural Management (C & G)	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
Upper Division Management Elective	3	C	
Term hours subtotal:	6		

★ Term 7 - B 99.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
Upper Division Management Elective	3	C	
Upper Division Elective	2		
★ Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND MGT 302 or International Business Course (G) course(s).			
Term hours subtotal:	8		

★ Term 8 - A 107.75 - 114.00 Credit Hours	Hours	Minimum Grade	Notes
4** Business Elective	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6.25		

★ Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division  
Social-Behavioral Sciences (SB) 3

Term hours subtotal: 6

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division Management Electives - select two courses (6 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	4** Business Elective - select one course (3 credit hours)
ENT 360: Entrepreneurship and Value Creation	AGB 302: International Management and Agribusiness (G)	ACC 4** Elective
MGT 420: Human Resource Management	ECN 306: Survey of International Economics (SB & G)	AGB 4** Elective
MGT 430: Negotiations	MGT 302: Principles of International Business (G)	CIS 4** Elective
	MKT 425: Global Marketing Management (G)	ECN 4** Elective
	SCM 463: Global Supply Chain Management (G)	MGT 4** Elective
		MKT 4** Elective
		SCM 4** Elective
General Studies Electives	Business Skills Courses - No Grades of D or E	
BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	
COM 207: Introduction to Communication Inquiry	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	
COM 259: Communication in Business and the Professions	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)	
COM 312: Communication, Conflict, and Negotiation	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	
COM 414: Crisis Communication	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)	
COM 430: Leadership in Group Communication	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)	
COM 453: Communication Training and Development	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)	
ENG 210: Introduction to Creative Writing	MAT 270: Calculus with Analytic Geometry I (MA) or MAT 271: Calculus with Analytic Geometry II (MA)	
ENG 310: Intermediate Creative Writing		
ENG 345: Selected Authors or Issues		
FAS 301: Introduction to Parenting		
MAT 242: Elementary Linear Algebra		
MAT 243: Discrete Mathematical Structures		
ROM 101: Elementary Romanian Language and Culture I		



SPA 101: Elementary Spanish I

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SPA 102: Elementary Spanish II

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WPC 150: Business and Society

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Marketing, BS





School/College: W. P. Carey School of Business







Location: Tempe campus

BAMKTBS

### **FT** Fast Track Options: 3 Year






A student must speak with an advisor in order to be added to a fast track plan.






Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		



Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Join the W. P. Carey <b>mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete CIS 105 with a grade of "C" or better.			
 Complete MAT 210 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			


Term hours subtotal: 15.25

- Research **study abroad opportunities** recommended for your major

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Explore <b>career resources</b></li> <li>• Develop your <b>professional online presence</b></li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Attend <b>W. P. Carey and ASU Career Fairs</b></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E.			
 Complete ECN 211 OR ECN 212 with a grade of "C" or better.			
 Complete MAT 211 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25		

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey and ASU career fairs</b></li> <li>• Apply for <b>internships</b> or <b>create one</b></li> </ul>
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
General Studies Elective	3		
Elective	3		
 Business Skills Courses: No Grades of D or E.			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 MKT 302: Applied Marketing Management and Leadership (L)	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>	
ENG 302: Business Writing (L)	3			
FIN 300: Fundamentals of Finance	3	C		
SCM 300: Global Supply Operations	3	C		
WPC 348: Junior Networking Foundations	0.25	C		
Humanities, Arts and Design (HU)	3			
 Complete ACC 241 with a grade of "C" or better.				
Term hours subtotal:	15.25			

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ MKT 352: Marketing Research (L)	3	C
MGT 300: Organization and Management Leadership	3	C
Upper Division International Business Course AND Global Awareness (G)	3	C
Upper Division Marketing Elective	3	C
General Studies Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- MKT 425 cannot count as both the International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective.
- Complete **informational interviews**
- Complete an in person or virtual practice interview with your **W. P. Carey Career Coach**

★ Term 7 93.75 - 107.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ MKT 402: Consumer Behavior	3	C
LES 305: Business Law and Ethics for Managers	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
Upper Division Marketing Elective	3	C
Upper Division Elective	2	
Complete FIN 300 AND LES 305 AND MGT 300 AND		
★ International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).		
Term hours subtotal:	14	

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- MKT 425 cannot count as both the International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective.
- Attend **W. P. Carey** and **ASU** Career Fairs
- Gather **professional references**
- Update your **resume**

★ Term 8 107.75 - 120.00 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy	3	C
★ WPC 480: W. P. Carey Capstone Course (L)	3	C
WPC 448: Senior Career Transition Management	0.25	C
Upper Division Marketing Elective	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	12.25	

- MKT 425 cannot count as both the International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective.
- Apply for **full-time career opportunities**

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division Marketing Electives - select three courses (9 credit hours, MKT 494 topic cannot be sports related)	Upper Division International Business Course - select one course (3 credit hours)	Business Skills Courses - No Grades of D or E
MKT 355: Designing Brand Identity: Methods and Digital Tools	AGB 302: International Management and Agribusiness (G)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
	ECN 306: Survey of International Economics (SB & G)	

MKT 365: Advertising and Beyond: Customer-Centric Brand Development	MGT 302: Principles of International Business (G)	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MKT 370: Professional Sales and Relationship Management	MKT 425: Global Marketing Management (G)	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MKT 385: Data-Driven Marketing	SCM 463: Global Supply Chain Management (G)	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
MKT 410: Sales Management		ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
MKT 420: Retail Management		ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MKT 425: Global Marketing Management (G)		MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MKT 435: Entrepreneurial Marketing		MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
MKT 440: Creating Digital Experiences		
MKT 442: Services Marketing Strategy		
MKT 450: Social Media and Content Marketing		
MKT 452: Business-to-Business Marketing Strategy		
MKT 455: Brand Management		
MKT 462: Competitive Marketing Strategy		
MKT 472: Immersive Brand Experience I: Intelligence, Insights and Strategy		
MKT 473: Immersive Brand Experience II: Creative, Media and Measures		
MKT 484: Internship		
MKT 493: Honors Thesis (L)		
MKT 494: Special Topics		
MKT 499: Individualized Instruction		
<b>General Studies Electives</b>	<b>General Studies Electives Continued</b>	
ASL 101: American Sign Language I	LAT 101: Elementary Latin	
ASL 102: American Sign Language II	LAT 102: Elementary Latin	
ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra	
ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures	
BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry	
CHI 110: Intensive Chinese I	MAT 342: Linear Algebra	
CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus	
COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I	
COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II	
COM 281: Communication Activities	MAT 410: Introduction to General Topology	
	MAT 415: Introduction to Combinatorics	
	MAT 416: Graph Theory	

COM 312: Communication, Conflict, and Negotiation	MAT 442: Advanced Linear Algebra
COM 341: Social Contexts for Performance	MAT 443: Introduction to Abstract Algebra
COM 414: Crisis Communication	MAT 444: Intermediate Abstract Algebra
COM 430: Leadership in Group Communication	MAT 445: Theory of Numbers
COM 453: Communication Training and Development	MAT 460: Vector Calculus
COM 465: Intercultural Communication Workshop	MAT 461: Applied Complex Analysis
ENG 210: Introduction to Creative Writing	MAT 462: Applied Partial Differential Equations
ENG 213: Introduction to the Study of Language	MAT 472: Intermediate Real Analysis I
ENG 310: Intermediate Creative Writing	MAT 475: Differential Equations
ENG 314: Modern Grammar	MAT 485: History of Mathematics
ENG 345: Selected Authors or Issues	ROM 101: Elementary Romanian Language and Culture I
FAS 301: Introduction to Parenting	ROM 201: Intermediate Romanian Language and Culture I
GCU 433: Geography of Southeast Asia	ROM 313: Romanian Composition and Conversation
GRK 101: Elementary Ancient Greek	ROM 314: Romanian Composition and Conversation
GRK 201: Intermediate Ancient Greek	RUS 101: Elementary Russian I
HST 389: Japan Society and Values/Premod	RUS 102: Elementary Russian II
JPN 110: Intensive Japanese I	SPA 101: Elementary Spanish I
IDN 101: Elementary Indonesian I	SPA 102: Elementary Spanish II
IDN 102: Elementary Indonesian II	SPA 111: Fundamentals of Spanish
JPN 206: Japanese Calligraphy	SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa y Lala</i>
JPN 414: Introduction to Classical Japanese	UNI 110: Critical Reading and Thinking
KOR 101: First-Year Korean I	WPC 150: Business and Society
KOR 102: First-Year Korean II	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Marketing, BS

School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BAMKTBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Create your first college <a href="#">resume</a></li> </ul>
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a></li> <li>Join a <a href="#">student club or organization</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 25.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Join the W. P. Carey <a href="#">mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		
Term 2 - B 25.25 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will</li> </ul>
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			



⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

instead complete three hours of elective credit.

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Explore career resources.</li> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Develop your professional online presence</li> </ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
General Studies Elective	3		
⚠ Business Skills Courses: No Grades of D or E.			
⚠ Complete ECN 211 AND ECN 212.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6.25		

Term 4 - A 46.50 - 52.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Attend W. P. Carey and ASU career fairs</li> <li>• Apply for internships or create one</li> </ul>
General Studies Elective	3		
Term hours subtotal:	6		

Term 4 - B 52.50 - 59.50 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
⚠ Business Skills Courses: No Grades of D or E.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 59.50 - 65.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 302: Applied Marketing Management and Leadership (L)	3	C	<ul style="list-style-type: none"> <li>• Meet with your W. P. Carey Career Coach</li> <li>• Update your resume</li> </ul>
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		

Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 352: Marketing Research (L)	3	C	

MGT 300: Organization and Management Leadership	3	C
Humanities, Arts and Design (HU)	3	
Term hours subtotal:	9	

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.

Term 6 - A 74.75 - 83.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
MKT 402: Consumer Behavior	3	C	<ul style="list-style-type: none"> <li>• Complete informational interviews</li> </ul>
ENG 302: Business Writing (L)	3		
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		



Term 6 - B 83.75 - 89.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
Upper Division International Business Course AND Global Awareness (G)	3	C	<ul style="list-style-type: none"> <li>• MKT 425 cannot count as both International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective from the list below.</li> <li>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 89.75 - 96.75 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Marketing Elective	3	C	<ul style="list-style-type: none"> <li>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy	3	C	<ul style="list-style-type: none"> <li>• Gather professional references</li> <li>• Update your resume</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Marketing Elective	3	C	
Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	9		

Term 8 - A 105.75 - 112.00 Credit Hours	Hours	Minimum Grade	Notes
WPC 448: Senior Career Transition Management	0.25	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> </ul>
Upper Division Marketing Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6.25		

Term 8 - B 112.00 - 120.00 Credit Hours Necessary course signified	Hours	Minimum	Notes
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by 		Grade
 WPC 480: W. P. Carey Capstone Course (L)	3	C
Upper Division Elective	2	
Elective	3	
Term hours subtotal:	8	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division Marketing Electives - select three courses (9 credit hrs)	Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives
MKT 365: Advertising and Beyond: Customer-Centric Brand Development	AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology
MKT 420: Retail Management	ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry
MKT 425: Global Marketing Management (G)	MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions
MKT 442: Services Marketing Strategy	MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation
MKT 452: Business-to-Business Marketing Strategy	SCM 463: Global Supply Chain Management (G)	COM 414: Crisis Communication
MKT 462: Competitive Marketing Strategy		COM 430: Leadership in Group Communication
MKT 484: Internship		COM 453: Communication Training and Development
		ENG 210: Introduction to Creative Writing
		ENG 310: Intermediate Creative Writing
		ENG 345: Selected Authors or Issues
		FAS 301: Introduction to Parenting
		MAT 242: Elementary Linear Algebra
		MAT 243: Discrete Mathematical Structures
		ROM 101: Elementary Romanian Language and Culture I
		SPA 101: Elementary Spanish I
		SPA 102: Elementary Spanish II
		WPC 150: Business and Society
Business Skills Courses - No Grades of D or E		
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting		

ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

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CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

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ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis  
or MAT 271: Calculus with Analytic  
Geometry II (MA)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Marketing (Digital and Integrated Marketing Communications), BS

School/College: W. P. Carey School of Business

Location: Tempe campus

BAMKDIMCBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Join the W. P. Carey <b>mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

ACC 231: Uses of Accounting Information I	3	C
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	
ECN 212: Microeconomic Principles (SB)	3	C+
ECN 221: Business Statistics (CS)	3	C
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C
Natural Science - Quantitative (SQ)	4	
❖ Business Skills Courses: No Grades of D or E.		
❖ Complete ECN 211 OR ECN 212 with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16.25	

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore [career resources](#)
- Develop your [professional online presence](#)
- Meet with your [W. P. Carey Career Coach](#)
- Attend [W. P. Carey and ASU Career Fairs](#)

Term 4 47.50 - 63.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
General Studies Elective	3		
Elective	3		
❖ Business Skills Courses: No Grades of D or E.			
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your [academic advisor](#) for more information and options.
- Attend [W. P. Carey and ASU career fairs](#)
- Apply for [internships](#) or [create one](#)

Term 5 63.50 - 78.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MKT 302: Applied Marketing Management and Leadership (L)	3	C	
FIN 300: Fundamentals of Finance	3	C	
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Humanities, Arts and Design (HU)	3		
General Studies Elective	3		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your [academic advisor](#) for more information and options.
- Meet with your [W. P. Carey Career Coach](#)
- Update your [resume](#)

Term 6 78.75 - 93.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MKT 352: Marketing Research (L)	3	C	
ENG 302: Business Writing (L)	3		
MGT 300: Organization and Management Leadership	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	

- Complete [informational interviews](#)
- Complete an in person or virtual practice interview with your [W. P. Carey Career Coach](#)

Upper Division International Business Course AND Global Awareness (G) 3 C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 402: Consumer Behavior	3	C	<ul style="list-style-type: none"> <li>Digital &amp; Integrated Marketing Communication concentration electives must be taken at ASU</li> <li>If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing</li> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend <a href="#">W. P. Carey</a> and ASU Career Fairs</li> <li>Gather <a href="#">professional references</a></li> <li>Update your <a href="#">resume</a></li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
Complete 2 courses:			
Upper Division Digital & Integrated Marketing Communications Concentration Elective	6	C	
Upper Division Elective	2		
Complete FIN 300 AND LES 305 AND MGT 300 AND			
★ International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	14		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy	3	C	<ul style="list-style-type: none"> <li>Digital &amp; Integrated Marketing Communication concentration electives must be taken at ASU</li> <li>If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing</li> <li>Apply for <a href="#">full-time career opportunities</a></li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Digital & Integrated Marketing Communications Concentration Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Choose three Upper Division Digital & Integrated Marketing Communication Concentration Electives.
- Digital & Integrated Marketing Communication concentration electives must be taken at ASU.
- If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing.

Hide Course List(s)/Track Group(s)

Digital & Integrated Marketing Communications Concentration Elective - select three courses (9 credit hours)	Upper Division International Business Course - select one course (3 credit hours)	Business Skills Courses - No Grades of D or E
	AGB 302: International Management and Agribusiness (G)	

MKT 355: Designing Brand Identity: Methods and Digital Tools	ECN 306: Survey of International Economics (SB & G)	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
MKT 365: Advertising and Beyond: Customer-Centric Brand Development	MGT 302: Principles of International Business (G)	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MKT 385: Data-Driven Marketing	MKT 425: Global Marketing Management (G)	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MKT 440: Creating Digital Experiences	SCM 463: Global Supply Chain Management (G)	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
MKT 450: Social Media and Content Marketing		ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
MKT 455: Brand Management		ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MKT 472: Immersive Brand Experience I: Intelligence, Insights and Strategy		MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MKT 473: Immersive Brand Experience II: Creative, Media and Measures		MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
MKT 484: Internship		
MKT 493: Honors Thesis (L)		
MKT 494: Innovations in Marketing		
<b>General Studies Electives</b>	<b>General Studies Electives Continued</b>	
ASL 101: American Sign Language I	LAT 101: Elementary Latin	
ASL 102: American Sign Language II	LAT 102: Elementary Latin	
ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra	
ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures	
BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry	
CHI 110: Intensive Chinese I	MAT 342: Linear Algebra	
CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus	
COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I	
COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II	
COM 281: Communication Activities	MAT 410: Introduction to General Topology	
COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics	
COM 341: Social Contexts for Performance	MAT 416: Graph Theory	
COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra	
COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra	
	MAT 444: Intermediate Abstract Algebra	
	MAT 445: Theory of Numbers	
	MAT 460: Vector Calculus	



COM 453: Communication Training and Development	MAT 461: Applied Complex Analysis
COM 465: Intercultural Communication Workshop	MAT 462: Applied Partial Differential Equations
ENG 210: Introduction to Creative Writing	MAT 472: Intermediate Real Analysis I
ENG 213: Introduction to the Study of Language	MAT 475: Differential Equations
ENG 310: Intermediate Creative Writing	MAT 485: History of Mathematics
ENG 314: Modern Grammar	ROM 101: Elementary Romanian Language and Culture I
ENG 345: Selected Authors or Issues	ROM 201: Intermediate Romanian Language and Culture I
FAS 301: Introduction to Parenting	ROM 313: Romanian Composition and Conversation
GCU 433: Geography of Southeast Asia	ROM 314: Romanian Composition and Conversation
GRK 101: Elementary Ancient Greek	RUS 101: Elementary Russian I
GRK 201: Intermediate Ancient Greek	RUS 102: Elementary Russian II
HST 389: Japan Society and Values/Premod	SPA 101: Elementary Spanish I
JPN 110: Intensive Japanese I	SPA 102: Elementary Spanish II
IDN 101: Elementary Indonesian I	SPA 111: Fundamentals of Spanish
IDN 102: Elementary Indonesian II	SPA 486: Chicano/a Novel: <i>Áltima, Rafa y Lala</i>
JPN 206: Japanese Calligraphy	UNI 110: Critical Reading and Thinking
JPN 414: Introduction to Classical Japanese	WPC 150: Business and Society
KOR 101: First-Year Korean I	
KOR 102: First-Year Korean II	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Marketing (Professional Sales), BS

School/College: W. P. Carey School of Business

Location: Tempe campus

BAMKTPSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Join the W. P. Carey <b>mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E.			
 Complete CIS 105 with a grade of "C" or better.			
 Complete MAT 210 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15.25		
Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

ACC 231: Uses of Accounting Information I	3	C
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	
ECN 212: Microeconomic Principles (SB)	3	C
ECN 221: Business Statistics (CS)	3	C
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C
Natural Science - Quantitative (SQ)	4	
❖ Business Skills Courses: No Grades of D or E.		
❖ Complete ECN 211 OR ECN 212 with a grade of "C" or better.		
❖ Complete MAT 211 with a grade of "C" or better.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		16.25

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Develop your **professional online presence**
- Explore **career resources**
- Meet with your **W. P. Carey Career Coach**
- Attend **W. P. Carey and ASU Career Fairs**

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ MKT 302: Applied Marketing Management and Leadership (L)	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey and ASU career fairs</b></li> <li>• Apply for <b>internships</b> or <b>create one</b></li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
General Studies Elective	2		
❖ Business Skills Courses: No Grades of D or E.			
❖ Complete ACC 231 with a grade of "C" or better.			
❖ Complete ECN 221 with a grade of "C" or better.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MKT 352: Marketing Research (L)	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
ENG 302: Business Writing (L)	3		
MKT 370: Professional Sales and Relationship Management	3	C	
SCM 300: Global Supply Operations	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
General Studies Elective	3		
★ Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:		15.25	

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MKT 402: Consumer Behavior	3	C	<ul style="list-style-type: none"> <li>• Complete <b>informational interviews</b></li> <li>• Complete an in person or virtual practice interview with your <b>W. P. Carey Career Coach</b></li> </ul>
MKT 452: Business-to-Business Marketing Strategy	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	

Upper Division International Business Elective AND Global Awareness (G) 3 C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 410: Sales Management	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend <b>W. P. Carey</b> and ASU Career Fairs</li> <li>Gather <b>professional references</b></li> <li>Update your <b>resume</b></li> </ul>
MGT 300: Organization and Management Leadership	3	C	
FIN 300: Fundamentals of Finance	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s).			
Term hours subtotal:	15		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 484: Internship	3	C	<ul style="list-style-type: none"> <li>MKT 484: Internship must be sales focused</li> <li>Apply for <b>full-time career opportunities</b></li> </ul>
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Upper Division Professional Sales Concentration Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division Professional Sales Concentration Elective - select one course (3 credits)	Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives
MKT 420: Retail Management	AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I
MGT 430: Negotiations	ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II
MKT 435: Entrepreneurial Marketing	MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III
MKT 442: Services Marketing Strategy	MKT 425: Global Marketing Management (G)	ASL 202: American Sign Language IV
MKT 493: Honors Thesis (L)	SCM 463: Global Supply Chain Management (G)	BIO 320: Fundamentals of Ecology
MKT 484: Internship		CHI 110: Intensive Chinese I
MKT 494: Strategic Selling Using Data and Technology		CHI 205: Chinese Calligraphy
		COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 312: Communication, Conflict, and Negotiation

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

GCU 433: Geography of Southeast Asia

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HST 389: Japan Society and Values/Premod

JPN 110: Intensive Japanese I

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Studies Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

Business Skills Courses - No Grades of D or E

ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting

ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting

MAT 370: Intermediate Calculus	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
MAT 371: Advanced Calculus I	
MAT 372: Advanced Calculus II	
MAT 410: Introduction to General Topology	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
MAT 415: Introduction to Combinatorics	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
MAT 416: Graph Theory	
MAT 442: Advanced Linear Algebra	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
MAT 443: Introduction to Abstract Algebra	
MAT 444: Intermediate Abstract Algebra	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
MAT 445: Theory of Numbers	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
MAT 460: Vector Calculus	
MAT 461: Applied Complex Analysis	
MAT 462: Applied Partial Differential Equations	
MAT 472: Intermediate Real Analysis I	
MAT 475: Differential Equations	
MAT 485: History of Mathematics	
ROM 101: Elementary Romanian Language and Culture I	
ROM 201: Intermediate Romanian Language and Culture I	
ROM 313: Romanian Composition and Conversation	
ROM 314: Romanian Composition and Conversation	
RUS 101: Elementary Russian I	
RUS 102: Elementary Russian II	
SPA 101: Elementary Spanish I	
SPA 102: Elementary Spanish II	
SPA 111: Fundamentals of Spanish	
SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa</i> y <i>Lala</i>	
UNI 110: Critical Reading and Thinking	
WPC 150: Business and Society	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Supply Chain Management, BS





School/College: W. P. Carey School of Business







Location: Tempe campus

BASCMB5

**FT** Fast Track Options: 3 Year






A student must speak with an advisor in order to be added to a fast track plan.






Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WPC 101: Student Success in Business	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement</li> <li>Join a student <b>club or organization</b></li> <li>Create your first college <b>resume</b></li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		





Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit..</li> <li>Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>Join the W. P. Carey <b>mentorship programs</b></li> <li>Explore student <b>leadership opportunities</b> in W. P. Carey</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 211: Mathematics for Business Analysis	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
PSY course (SB)	3		
 Business Skills Courses: No Grades of D or E			
 Complete CIS 105 with a grade of "C" or better.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 210 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 15.25

- Research **study abroad opportunities** recommended for your major

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> <li>• Explore <b>career resources</b></li> <li>• Develop your <b>professional online presence</b></li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Attend <b>W. P. Carey and ASU Career Fairs</b></li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
ECN 221: Business Statistics (CS)	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete ECN 211 OR ECN 212 with a grade of "C" or better.			
 Complete MAT 211 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25		

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Attend <b>W. P. Carey and ASU career fairs</b></li> <li>• Apply for <b>internships</b> or <b>create one</b></li> </ul>
SCM 300: Global Supply Operations	3	C	
General Studies Elective	3		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
 Business Skills Courses: No Grades of D or E			
 Complete ACC 231 with a grade of "C" or better.			
 Complete ECN 221 with a grade of "C" or better.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 315: Business Decision Models	3	C	<ul style="list-style-type: none"> <li>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> <li>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your <b>academic advisor</b> for more information and options.</li> <li>• Meet with your <b>W. P. Carey Career Coach</b></li> <li>• Update your <b>resume</b></li> </ul>
 SCM 345: Logistics Management	3	C	
ENG 302: Business Writing (L)	3		
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Complete ACC 241 with a grade of "C" or better.			
Term hours subtotal:	15.25		

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ SCM 355: Supply Management (L)	3	C
★ SCM 432: Planning and Control Systems for Supply Chain Management	3	C
★ SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C
MGT 300: Organization and Management Leadership	3	C
WPC 300: Problem Solving and Actionable Analytics	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach
- Meet with your academic advisor to discuss your internship course options

Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 455: Research and Negotiation	3	C	<ul style="list-style-type: none"> <li>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>• Attend W. P. Carey and ASU Career Fairs</li> <li>• Gather professional references</li> <li>• Update your resume</li> </ul>
★ SCM 479: Supply Chain Strategy (L)	3	C	
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Elective OR WPC 484: Internship	3		
Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND SCM 463 or International Business Course (G) course(s).			
Term hours subtotal:	15		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities</li> <li>• Meet with your academic advisor to discuss your internship course options</li> </ul>
WPC 448: Senior Career Transition Management	0.25	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Upper Division Elective	2		
Elective OR WPC 484: Internship	3		
Term hours subtotal:	12.25		

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	General Studies Electives	General Studies Electives Continued
AGB 302: International Management and Agribusiness (G)	ASL 101: American Sign Language I	LAT 101: Elementary Latin
ECN 306: Survey of International Economics (SB & G)	ASL 102: American Sign Language II	LAT 102: Elementary Latin
MGT 302: Principles of International Business (G)	ASL 201: American Sign Language III	MAT 242: Elementary Linear Algebra
	ASL 202: American Sign Language IV	MAT 243: Discrete Mathematical Structures
	BIO 320: Fundamentals of Ecology	MAT 310: Introduction to Geometry
	CHI 110: Intensive Chinese I	MAT 342: Linear Algebra

MKT 425: Global Marketing Management (G)	CHI 205: Chinese Calligraphy	MAT 370: Intermediate Calculus
SCM 463: Global Supply Chain Management (G)	COM 207: Introduction to Communication Inquiry	MAT 371: Advanced Calculus I
	COM 259: Communication in Business and the Professions	MAT 372: Advanced Calculus II
	COM 281: Communication Activities	MAT 410: Introduction to General Topology
	COM 312: Communication, Conflict, and Negotiation	MAT 415: Introduction to Combinatorics
	COM 341: Social Contexts for Performance	MAT 416: Graph Theory
	COM 414: Crisis Communication	MAT 442: Advanced Linear Algebra
	COM 430: Leadership in Group Communication	MAT 443: Introduction to Abstract Algebra
	COM 453: Communication Training and Development	MAT 444: Intermediate Abstract Algebra
	COM 465: Intercultural Communication Workshop	MAT 445: Theory of Numbers
	ENG 210: Introduction to Creative Writing	MAT 460: Vector Calculus
	ENG 213: Introduction to the Study of Language	MAT 461: Applied Complex Analysis
	ENG 310: Intermediate Creative Writing	MAT 462: Applied Partial Differential Equations
	ENG 314: Modern Grammar	MAT 472: Intermediate Real Analysis I
	ENG 345: Selected Authors or Issues	MAT 475: Differential Equations
	FAS 301: Introduction to Parenting	MAT 485: History of Mathematics
	GCU 433: Geography of Southeast Asia	ROM 101: Elementary Romanian Language and Culture I
	GRK 101: Elementary Ancient Greek	ROM 201: Intermediate Romanian Language and Culture I
	GRK 201: Intermediate Ancient Greek	ROM 313: Romanian Composition and Conversation
	HST 389: Japan Society and Values/Premod	ROM 314: Romanian Composition and Conversation
	JPN 110: Intensive Japanese I	RUS 101: Elementary Russian I
	IDN 101: Elementary Indonesian I	RUS 102: Elementary Russian II
	IDN 102: Elementary Indonesian II	SPA 101: Elementary Spanish I
	JPN 206: Japanese Calligraphy	SPA 102: Elementary Spanish II
	JPN 414: Introduction to Classical Japanese	SPA 111: Fundamentals of Spanish
	KOR 101: First-Year Korean I	SPA 486: Chicano/a Novel: <i>Áltima</i> , <i>Rafa y Lala</i>
	KOR 102: First-Year Korean II	UNI 110: Critical Reading and Thinking
		WPC 150: Business and Society

Business Skills Courses - No Grades of D or E

ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting

ACC 241: Uses of Accounting Information II  
or ACC 242: Managerial Accounting I or ACC  
271: Honors Fundamentals of Managerial  
Accounting

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CIS 105: Computer Applications and  
Information Technology (CS) or CIS 236:  
Honors Introduction to Information Systems  
(CS)

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ECN 211: Macroeconomic Principles (SB) or  
ECN 213: Honors Macroeconomics (SB)

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ECN 212: Microeconomic Principles (SB) or  
ECN 214: Honors Microeconomics (SB)

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ECN 221: Business Statistics (CS) or ECN  
231: Honors Business Statistics (CS)

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MAT 210: Brief Calculus (MA) or MAT 270:  
Calculus with Analytic Geometry I (MA)

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MAT 211: Mathematics for Business Analysis  
or MAT 271: Calculus with Analytic  
Geometry II (MA)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Supply Chain Management, BS

School/College: W. P. Carey School of Business

Location:

BASCMBS

and









Sustainability,




BA

College of Global Futures

SUSUSTBA

In order to complete this concurrent degree in 4 years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SOS 191: Introduction to ASU and SOS for Freshmen OR WPC			
 101: Student Success in Business OR SOS 201: Introduction to ASU and Sustainability	1	C	<ul style="list-style-type: none"> <li>SOS 201 required of all Sustainability transfer students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam. <b>CLEP and AP credit</b> are also viable options for fulfilling the second language requirement</li> <li>A score of 4 or 5 on the AP Environmental Science exam fulfills the SOS 110 course requirement</li> </ul>
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
 MAT 210: Brief Calculus (MA)	3	C	
 SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Business Skills Courses: No Grades of D or E			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	17		

Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or organization</li> <li>Create your first college <b>resume</b></li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
 SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	

ENG 101 or ENG 102: First-Year Composition OR  
 ENG 105: Advanced First-Year Composition OR  
 ENG 107 or ENG 108: First-Year Composition

3 C

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.50 GPA ASU Cumulative.

Minimum 2.50 GPA in BMY, SFS and SOS.

Term hours subtotal: 16

Summer 2 Session 1 33 - 40 Credit Hours	Hours	Minimum Grade	Notes
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PSY 101: Introduction to Psychology (SB) 3

Natural Science - Quantitative (SQ) 4

Term hours subtotal: 7

Summer 2 Session 2 40 - 43 Credit Hours	Hours	Minimum Grade	Notes
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ECN 212: Microeconomic Principles (SB) 3 C

Term hours subtotal: 3

Term 3 43 - 59 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

ECN 221: Business Statistics (CS) 3 C

SOS 220: Systems Thinking 3 C

SOS 232: Professional Skills in Sustainability Practice 3 C

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

Business Skills Courses: No Grades of D or E

Complete ECN 211 AND ECN 212.

Minimum 2.50 GPA ASU Cumulative.

Minimum 2.50 GPA in BMY, SFS and SOS.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 59 - 76 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

SCM 300: Global Supply Operations 3 C

Complete 2 courses:

SOS 321: Policy and Governance in Sustainable Systems OR SOS

322: International Development and Sustainability OR SOS 323:

Sustainable Urban Dynamics OR SOS 324: Sustainable Energy 6 C

Technology and Systems OR SOS 325: The Economics of

Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327:

Sustainable Food and Farms OR SOS 328: Sustainability and

Enterprise OR SOS 465: Sustainable Urbanism

- Explore career resources
- Select one of the following challenge area tracks: Policy and Governance in Sustainable Systems (SOS 321), International Development and Sustainability (SOS 322), or Sustainable Urban Dynamics (SOS 323 OR SOS 465).
- Students must complete the course that corresponds with the track they have chosen, as well as SOS 320 and any two

SOS 231: Careers in Sustainability	1	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
❖ Business Skills Courses: No Grades of D or E		
❖ Complete SOS 220 course(s).		
❖ Milestone: Select a Sustainability track		
❖ Minimum 2.50 GPA ASU Cumulative.		
❖ Minimum 2.50 GPA in BMY, SFS and SOS.		
Term hours subtotal:	17	

- additional track courses, for a total of 12 credit hours of track courses.
- Students must complete six credit hours of **challenge area/track electives** related to the track they select.
  - Meet with your Career Coaches.

Summer 4 Session 1 76 - 83 Credit Hours	Hours	Minimum Grade	Notes
WPC 300: Problem Solving and Actionable Analytics	3	C	
Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Summer 4 Session 2 83 - 86 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		
Term hours subtotal:	3		

Term 5 86 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 315: Business Decision Models	3	C	<ul style="list-style-type: none"> <li>• Attend <b>Career Fairs</b></li> <li>• Apply for <b>internships</b> or <b>create one</b></li> <li>• Complete <b>informational interviews</b></li> </ul>
★ SCM 345: Logistics Management	3	C	
MGT 300: Organization and Management Leadership	3	C	
SOS 311: Future Thinking and Strategies	3	C	
SOS 320: Society and Sustainability (L or SB)	3	C	
Upper Division International Development and Sustainability Track - Required Course OR Upper Division Policy and Governance in Sustainable Systems Track - Required Course OR Upper Division Sustainable Urban Dynamics Track - Required Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	18		

Term 6 104 - 122 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 355: Supply Management (L)	3	C	
★ SCM 432: Planning and Control Systems for Supply Chain Management	3	C	
★ SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course	3	C	
International Development and Sustainability Track - Elective OR			
★ Policy and Governance in Sustainable Systems Track - Elective OR Sustainable Urban Dynamics Track - Elective	3	C	
FIN 300: Fundamentals of Finance	3	C	
SOS 310: Equity, Justice and Sustainability	3	C	



★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Minimum 2.50 GPA ASU Cumulative.

★ Minimum 2.50 GPA in BMY, SFS and SOS.

Term hours subtotal: 18

Term 7 122 - 138 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 479: Supply Chain Strategy (L)	3	C	• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480.
LES 305: Business Law and Ethics for Managers	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 455: Research and Negotiation	3	C	
SOS 484: Capstone: Internship	4	B-	
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	16		

Term 8 138 - 153 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	• Apply for full-time career opportunities
SOS 498: Pro-Seminar (L)	3	B-	
Upper Division International Development and Sustainability Track - Elective OR Upper Division Policy and Governance in Sustainable Systems Track - Elective OR Upper Division Sustainable Urban Dynamics Track - Elective	3	C	
SOS Upper Division Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) AND Historical Awareness (H)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	15		

- Tracks available for the concurrent degree in Supply Chain Management and the BA in Sustainability:
  - Policy and Governance in Sustainable Systems
  - International Development and Sustainability
  - Sustainable Urban Dynamics

Students may choose any of the upper-division challenge area/track courses, but **must** complete at least the course that corresponds with the track they have chosen (e.g., if the Policy and Governance in Sustainable Systems track is chosen, students should choose SOS 321 and three other challenge area/track courses).

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	International Development and Sustainability Track	Policy and Governance in Sustainable Systems Track
AGB 302: International Management and Agribusiness (G)	Required Course: SOS 322: International Development and Sustainability	Required Course: SOS 321: Policy and Governance in Sustainable Systems

ECN 306: Survey of International Economics (SB & G)	Electives:	Electives:
MGT 302: Principles of International Business (G)	AFR 340: The Making of Modern Africa (SB & G & H)	AGB 414: Food and Agribusiness Policy Issues (L)
MKT 425: Global Marketing Management (G)	ALT 412: Village Energy Systems	ABS 381: Natural Resources Policy
	ASB 100: Introduction to Global Health (SB & G)	BIO 412: Conservation in Practice
	FIS 337: Innovation and Global Development (G)	ECN 441: Public Economics (SB)
	GCU 364: Energy in the Global Arena (SB & G)	GCU 361: Urban Geography (SB)
	GPH 314: Global Change (HU & G)	GPH 314: Global Change (HU & G)
	JUS 325: Globalization and Socio-Economic Justice (SB & G) or SGS 325: Globalization and Socio-Economic Justice (SB & G)	HST 345: Environmental History (L)
	JUS 352: The Global Politics of Human Rights (SB & G)	JUS 332: Politics of Energy Policy and Justice
	POS 160: Global Politics (SB & G)	PAF 300: Public Management and Administration
	POS 368: Ethics and Human Rights	PAF 340: Contemporary Policy Challenges
	POS 486: International Political Economy (SB & G)	PHI 407: Environmental Philosophy and Policy (L or HU)
	SBS 480: Global Justice (G)	POS 160: Global Politics (SB & G)
	SGS 301: Principles of Global Studies (G)	POS 300: Contemporary Global Controversies (SB & G)
	SGS 303: Global Trends (SB & G)	POS 346: Problems of Democracy (HU)
	SOC 333: Population (SB & G)	POS 351: Democratization (SB & G)
	STS 330: Information Technology and Globalization (SB & G)	POS 364: National Security, Intelligence, and Terrorism (SB)
	STS 332: Global Issues in Science and Technology (SB)	POS 368: Ethics and Human Rights
	TEM 450: Design for the Developing World	POS 410: Governing American Cities (SB)
	TEM 455: Global Impact Entrepreneurship	PUP 301: Introduction to Urban Planning (L)
	WST 378: Global Feminist Theory (L & G)	PUP 430: Transportation Planning and the Environment
		SOS 371: Inequality and Sustainability
		STS 325: Science, Technology, and Public Policy (SB)
		TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)
<b>Sustainable Urban Dynamics Track</b>	<b>Business Skills Courses - No Grades of D or E</b>	
<b>Required Course:</b>	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	
SOS 323: Sustainable Urban Dynamics or SOS 465: Sustainable Urbanism	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	
<b>Electives:</b>		
ABS 260: Fundamentals of Sustainable Horticulture (SG)		

ABS 364: Urban Forestry	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
APH 300: World Architecture I/Western Cultures (HU & H & G)	
ALA 100: Introduction to Environmental Design (HU & H & G)	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
ALA 102: Landscapes and Sustainability (HU & G)	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
ASB 442: Global Cities (SB & G) or SBS 460: Global Cities (SB & G)	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
CHE 469: Air Quality Engineering	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
GCU 359: Cities of the World I (SB & G & H)	
GCU 361: Urban Geography (SB)	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
GCU 425: Geography of the Mexican American Borderland ((L or SB) & G)	
GCU 442: Geographical Analysis of Transportation (SB)	
PAF 220: Introduction to Urban America	
PAF 240: Urban Policy (C)	
PAF 305: Urban Governance	
PAF 351: Urban and Metropolitan Studies	
PAF 352: Urban Theory	
POS 410: Governing American Cities (SB)	
POS 464: Border Cities: Action Research on Globalization (SB & G)	
PUP 200: Cities in Cinema (HU & H & G)	
PUP 301: Introduction to Urban Planning (L)	
PUP 363: History of Planning	
PUP 410: Public Participation in Planning	
PUP 430: Transportation Planning and the Environment	
SBS 450: Topics in Local/Global (SB & G)	
SOS 414: Urban and Environmental Health (SB) or ASM 414: Environmental Health (SB)	
SOS 498: Designing a Living Building (L)	
STS 325: Science, Technology, and Public Policy (SB)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 153

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map





### Supply Chain Management, BS



School/College: [W. P. Carey School of Business](#)

Location: [Online, ASU Local@Los Angeles](#)

BASCMB5

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. W. P. Carey students take WPC 101 to fulfill this requirement</li> </ul>
 WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Join a student <a href="#">club or organization</a></li> <li>Create your first college <a href="#">resume</a></li> </ul>
SOC course (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 16 - 25.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.</li> <li>Join the <a href="#">W. P. Carey mentorship programs</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
WPC 148: First-Year Introduction to Career Development	0.25	C	
WPC 150: Business and Society	3	C	
Term hours subtotal:	9.25		

Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB)	3	C	

PSY course (SB) 3

❖ Business Skills Courses: No Grades of D or E

❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - A 31.25 - 40.25 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"><li>• Explore <b>career resources</b>.</li><li>• Meet with your <b>W. P. Carey Career Coach</b></li><li>• Attend <b>W. P. Carey and ASU Career Fairs</b></li></ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	9		

Term 3 - B 40.25 - 47.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"><li>• Continuing first-year students will take WPC 248, after completing WPC 148</li><li>• New transfer students will take WPC 347</li><li>• Develop your <b>professional online presence</b></li></ul>
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
❖ Business Skills Courses: No Grades of D or E			
❖ Complete ECN 211 AND ECN 212 courses			
❖ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7.25		

Term 4 - A 47.50 - 54.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ECN 221: Business Statistics (CS)	3	C	<ul style="list-style-type: none"><li>• Attend <b>W. P. Carey and ASU career fairs</b></li><li>• Apply for <b>internships</b> or create one</li></ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 54.50 - 63.50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ SCM 300: Global Supply Operations	3	C	
Cultural Diversity in the U.S. (C)	3		
General Studies Elective	3		
❖ Business Skills Courses: No Grades of D or E			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 5 - A 63.50 - 69.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 315: Business Decision Models	3	C	<ul style="list-style-type: none"><li>• Meet with your <b>W. P. Carey Career Coach</b></li><li>• Update your <b>resume</b></li></ul>
MKT 300: Marketing and Business Performance	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	6.25		

<b>Term 5 - B 69.75 - 78.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ SCM 345: Logistics Management	3	C	<ul style="list-style-type: none"> <li>Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.</li> </ul>
SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course AND Global Awareness (G)	3	C	
ENG 302: Business Writing (L)	3		
Term hours subtotal:	9		
<b>Term 6 - A 78.75 - 84.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ SCM 355: Supply Management (L)	3	C	<ul style="list-style-type: none"> <li>Complete informational interviews</li> </ul>
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	6		
<b>Term 6 - B 84.75 - 93.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ SCM 432: Planning and Control Systems for Supply Chain Management	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview with your W. P. Carey Career Coach</li> </ul>
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		
<b>Term 7 - A 93.75 - 101.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ SCM 455: Research and Negotiation	3	C	<ul style="list-style-type: none"> <li>All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480</li> <li>Attend W. P. Carey and ASU Career Fairs</li> </ul>
Upper Division Elective	2		
Elective OR WPC 484: Internship	3		
Term hours subtotal:	8		
<b>Term 7 - B 101.75 - 107.75 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ SCM 479: Supply Chain Strategy (L)	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Update your resume</li> </ul>
LES 305: Business Law and Ethics for Managers	3	C	
★ Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND SCM 463 or International Business Course (G) course(s).			
Term hours subtotal:	6		
<b>Term 8 - A 107.75 - 114.00 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
WPC 448: Senior Career Transition Management	0.25	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities</li> </ul>
Humanities, Arts and Design (HU)	3		
Elective OR WPC 484: Internship	3		
Term hours subtotal:	6.25		
<b>Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>

★ WPC 480: W. P. Carey Capstone Course (L)	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	6	

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one (3 credit hours)	General Studies Electives	Business Skills Courses - No Grades of D or E
AGB 302: International Management and Agribusiness (G)	BIO 320: Fundamentals of Ecology	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
ECN 306: Survey of International Economics (SB & G)	COM 207: Introduction to Communication Inquiry	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
MGT 302: Principles of International Business (G)	COM 259: Communication in Business and the Professions	
MKT 425: Global Marketing Management (G)	COM 312: Communication, Conflict, and Negotiation	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
	COM 414: Crisis Communication	
	COM 430: Leadership in Group Communication	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
	COM 453: Communication Training and Development	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
	ENG 210: Introduction to Creative Writing	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
	ENG 310: Intermediate Creative Writing	
	ENG 345: Selected Authors or Issues	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
	FAS 301: Introduction to Parenting	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
	MAT 242: Elementary Linear Algebra	
	MAT 243: Discrete Mathematical Structures	
	ROM 101: Elementary Romanian Language and Culture I	
	SPA 101: Elementary Spanish I	
	SPA 102: Elementary Spanish II	
	WPC 150: Business and Society	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>



- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map



### Architectural Studies - Cross-Disciplinary Focus, BSD



School/College: [Herberger Institute for Design and the Arts](#)



Location:



ARSTDBSD



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design School majors take DSC 100 to fulfill this requirement.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ARC 101: Architecture Project I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
ARC OR ALA course (HU)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
<b>Term 2 16 - 31 Credit Hours Critical course signified by </b>			
ARC 101: Architecture Project I	3	C	<ul style="list-style-type: none"> <li>Students must complete ARC 101 in Term 1 and again in Term 2.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ARC OR ALA course (HU and G and H)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
<b>Term 3 31 - 47 Credit Hours Critical course signified by </b>			
ARC 201: Architecture Project III	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b></li> </ul>
ARC OR ALA course (CS)	3	C	
ARC OR APH OR ATE Elective	3	C	
Natural Science - Quantitative (SQ) ( CON 106 OR PHY 101 recommended)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARC 201: Architecture Project III	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• Students must complete ARC 201 in Term 3 and again in Term 4.</li> </ul>
ARC OR APH course (L)	3	C	
ARC OR APH OR ATE Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ARC 301: Architecture Project V	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
ARC OR APH course (L) Upper Division	3	C	
ARC OR APH OR ATE Upper Division Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
ARC 301: Architecture Project V	3	C	<ul style="list-style-type: none"> <li>• Students must complete ARC 301 in Term 5 and again in Term 6.</li> <li>• Students will have an advising hold requiring them to complete a Graduation Planning appointment with their advisor during Term 6. During this advising appointment, students and advisors will discuss which Focus option they will be completing during their final year in the program. Students intending to pursue professional licensure as a registered architect must declare their interest in pursuing the Professional Focus (3.00 minimum GPA required) to their advisor.</li> </ul>
ARC OR APH course (HU) Upper Division	3	C	
ARC OR APH OR ATE Upper Division Elective	3	C	
ARC OR APH OR ATE Upper Division Elective OR ARC 484: Internship	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Design Elective	6	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• This list of courses reflects the Cross-Disciplinary Focus (no minimum requirements). Students intending to pursue professional licensure as a registered architect must declare their interest in pursuing the Professional Focus (3.00 minimum GPA required) to their advisor. Students should consult with their advisor if they have any questions about the Focus options.</li> </ul>
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Design Elective	6	C	<ul style="list-style-type: none"> <li>• This list of courses reflects the Cross-Disciplinary Focus (no minimum requirements). Students intending to pursue</li> </ul>
Complete 2 courses:			

Upper Division Elective

6

Term hours subtotal: 12

professional licensure as a registered architect must declare their interest in pursuing the Professional Focus (3.00 minimum GPA required) to their advisor. Students should consult with their advisor if they have any questions about the Focus options.

Hide Course List(s)/Track Group(s)

Design Electives (12 credits)

APH OR ATE OR CON OR DSC OR EDS  
OR GRA OR IND OR INT OR LAP OR LPH  
Upper Division Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Architectural Studies - Professional Focus, BSD



School/College: Herberger Institute for Design and the Arts

Location:

ARSTDBSD

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design School majors take DSC 100 to fulfill this requirement.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
ARC 101: Architecture Project I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
ARC OR ALA course (HU)	3	C	
Social-Behavioral Sciences (SB)	3		
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ARC 101: Architecture Project I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ARC OR ALA course (HU and G and H)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ARC 201: Architecture Project III	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b></li> </ul>
ARC OR ALA course (CS)	3	C	
ARC OR APH OR ATE Elective	3	C	
Natural Science - Quantitative (SQ) ( CON 106 OR PHY 101 recommended)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			

⚠ Minimum 3.00 GPA ASU Cumulative.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
ARC 201: Architecture Project III	3	C	• Complete an in person or virtual practice interview
ARC OR APH course (L)	3	C	
ARC OR APH OR ATE Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		

⚠ Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 5 63 - 78 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
ARC 301: Architecture Project V	3	C	• Develop your skills
ARC OR APH course (L) Upper Division	3	C	
ARC OR APH OR ATE Upper Division Elective	3	C	
Complete 2 courses: Elective	6		

⭐ Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

Term 6 78 - 93 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
ARC 301: Architecture Project V	3	C	
ARC OR APH course (HU) Upper Division	3	C	
ARC OR APH OR ATE Upper Division Elective	3	C	
ARC OR APH OR ATE Upper Division Elective OR ARC 484: Internship	3	C	
Elective	3		

⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

⭐ Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

Term 7 93 - 108 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ARC 401: Architecture Studio I	6	C	• Gather professional references
⭐ ARC 421: Architecture Technology I	3	C	
⭐ ARC 441: Architecture Representation	3	C	
Elective	3		

⭐ Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ARC 402: Architecture Studio II	6	C	

★ ARC 422: Architecture Technology II	3	C
★ ARC 432: Architecture History	3	C
★ Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:		12

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Art (Animation), BFA

School/College: Herberger Institute for Design and the Arts



Location: Tempe campus


HIARTANBFA




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only</li> <li>• Select your <b>career interest communities</b> and play me3@ASU.</li> </ul>
 ART 111: Foundation Drawing	3	C	
 ART 116: Introduction to Digital Media	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 112: 2-D Design	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ART 115: 3-D Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ART 217: Introduction to Computer Animation	3	C	<ul style="list-style-type: none"> <li>• <b>Network</b> in your career interest area.</li> </ul>
2D Art Course	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			





Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 240: Encounters with Contemporary Art	3	C	<ul style="list-style-type: none"> <li>• ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in spring.</li> <li>• Explore an <b>internship</b>.</li> </ul>
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
3D Art Course	3	C	
Lower Division Animation Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ART 346: 3-D Computer Imaging and Animation (CS)	3	C	<ul style="list-style-type: none"> <li>• Art students cannot take ARA 311 or ARS 300.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
ARS 445: History of Animation	3	C	
ART 417: Storyboarding and Narrative Sequencing	3	C	
ARA OR ARE OR ARS OR ART OR FSH Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ART 348: Animation Motion Studies	3	C	<ul style="list-style-type: none"> <li>• Art students cannot take ARA 311 or ARS 300.</li> </ul>
ARA 396: Professional Practices for Design and the Arts	3	C	
ART 308: 2D Digital Animation	3	C	
Upper Division Animation Elective (ART prefix only)	3	C	
ARS Upper Division Elective	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ART 461: Animation Capstone	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Animation Elective	3	C	
ARS course (HU) Upper Division	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Art students cannot take ARA 311 or ARS 300.</li> <li>• Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio.</li> </ul>
Complete 2 courses:			
Upper Division Animation Elective	6	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	Lower Division Animation Electives
ART 201: Photography I (HU)	ART 216: Intermedia Practices	AME 130: Prototyping Dreams (L)
ART 204: Photography II: Black and White	ART 218: 3D Tools	AME 210: Media Editing
ART 205: Photography II: Color	ART 231: Sculpture I	AME 230: Programming for the Media Arts (CS)
ART 206: Digital Photography I	ART 261: Ceramic Survey	AME 244: Introduction to Interactive Environments
ART 207: Digital Photography II	ART 272: Introduction to Metals and Jewelry	ARA 202: Understanding Photographs
ART 211: Drawing	ART 274: Wood I	ART 206: Digital Photography I
ART 214: Figure Drawing	ART 276: Introduction to Textiles	ART 207: Digital Photography II
ART 223: Painting	FSH 202: Fashion Construction	ART 211: Drawing
ART 227: Watercolor		ART 216: Intermedia Practices
ART 253: Introduction to Printmaking		ART 218: 3D Tools
FSH 203: Fashion Illustration		ART 244: Introduction to Interactive Environments
		CPI 111: Game Development I (CS)
		CPI 211: Game Development II
		FMP 201: Film: The Creative Process I (HU)
		FMP 225: Introduction to Visual Effects
		FMP 240: Introduction to Animation for Film
		FMP 255: Media Authorship (CS)
		FMP 261: Principles of Screenwriting
		FMP 280: Introduction to Film and Media Production
		FMS 100: Introduction to Film and Media Studies (HU)
		FMS 110: Introduction to New Media (HU)
		FMS 209: Screenwriting Fundamentals
		GIT 211: Introduction to Video Game Art
<b>Upper Division Animation Elective</b>		
		AME 330: Digital-Physical Systems
		AME 410: Interactive Materials
		AME 444: Media Installations
		AME 494: Animating Virtual Worlds

ARA 309: Photography Now

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ART 300: Photo Editing:  
Narrative/Non-Narrative

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ART 311: Intermediate Drawing

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ART 312: Illustration

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ART 314: Intermediate Figure Drawing

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ART 317: Advanced Digital Photography

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ART 323: Intermediate Painting

---

ART 325: Figure Painting

---

ART 331: Sculpture II

---

ART 332: Sculpture III

---

ART 394: 3D Visual Effects

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ART 394: Fantasy Figure Foam Carving

---

ART 411: Drawing IV

---

ART 424: Stop Motion Animation

---

ART 428: Video and Sound as Sculptural  
Materials

---

ART 438: Moving and Interactive Systems in  
Sculpture

---

ART 439: Intermedia Studio

---

ART 440: Experimental Video Art

---

ART 449: Computer Animation and Video

---

ART 494: Time, Narrative & the Multiple

---

ART 494: Visual Prototyping

---

ART 494: Women/Art/Technology

---

CPI 311: Game Engine Development

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CPI 321: Fundamentals of Game Art

---

CPI 411: Graphics for Games

---

CPI 421: 3-D Modeling and Texturing

---

FMP 325: Guerilla VFX

---

FMS 351: Emerging Digital Media

---

FMS 354: Critical Studies in Animation

---

FMS 394: Writing for Video Games

---

FMS 409: Advanced Screenwriting

---

FMS 442: Experimental Narrative (HU)

---

FMS 494: Contemporary Television and New  
Media

---

GIT 312: 3-D Computer Graphics Modeling  
and Representation (CS)

---

GIT 411: Computer Animation

---

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Art (Art Education), BFA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTEBFA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
<i>Complete 2 courses:</i>			
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Teachers College requirement: SPE 222 (SB) required for students pursuing K-12 certification.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARE 250: Teaching Inquiry in Art	3	B-	<ul style="list-style-type: none"> <li>• Minimum grade of B- or better in ARE 250 is required.</li> <li>• Teachers College requirement: GCU 113 is recommended for students seeking teacher certification since it</li> </ul>
2D Art Course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		

Social-Behavioral Sciences (SB) OR GCU 113: United States and Arizona Social Studies (SB & H) 3

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

meets the US and AZ constitution requirement for teachers.

- Professional connections -- join the **ASU Mentor Network**

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ 2D or 3D Art Course	3	C	<ul style="list-style-type: none"> <li>• Teachers College requirement: Apply for Identity Verified Print (IVP) <b>DPS fingerprint card</b>.</li> <li>• Develop your <b>skills</b></li> <li>• Create a first draft <b>resume</b></li> </ul>
3D Art Course	3	C	
Literacy and Critical Inquiry (L) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
❖ Complete Natural Science - Quantitative (SQ) OR Natural Science - General (SG) course(s). (Teachers College requirement)			
Term hours subtotal:		16	

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ARE 370: Teaching Visual Culture	3	C	<ul style="list-style-type: none"> <li>• Students must complete 6 hours of upper division ARS coursework (not from ARS 300). Must include one Asian/African/Native Am./Latin Am. Focus and one Modern Focus course.</li> <li>• Teachers College requirement: Complete the Intent to Progress form. Need a 2.5 ASU GPA in order to apply (meet with major advisor to complete this form).</li> <li>• Teachers College requirement: Submit copy of IVP DPS fingerprint clearance card to Teachers College or upload copy to Intent to Progress form.</li> <li>• Teachers College requirement: Attend Teachers College Enrollment Workshop if pursuing K-12 certification.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
ARE 446: Multicultural Issues in Art Education	3	C	
Complete 2 courses:	6	C	
Art Education Proficiency Course			
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ARE 482: Teaching Art Processes	3	C	<ul style="list-style-type: none"> <li>• Students must complete 6 hours of upper division ARS coursework (not from ARS 300). Must include one Asian/African/Native Am./Latin Am. Focus and one Modern course.</li> </ul>
Art Education Proficiency Course	3	C	
Upper Division Art History Modern Focus	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 15

- Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 486: Art Education: Strategies and Applications	3	C	
<i>Complete 2 courses:</i>			
Upper Division Art Education Proficiency Course	6	C	
Upper Division Literacy and Critical Inquiry (L) OR TEL 315: Child and Adolescent Development (L or SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

- Teachers College requirement: TEL 315 required for students pursuing K-12 certification.
- Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.
- Teachers College requirement: Students pursuing K-12 certification will enroll in an internship course (SED 398) and be expected to complete 75 hrs over 12 weeks in a K-12th grade classroom. Reliable transportation is required to get to school sites.
- Gather **professional references**

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 496: Methods and Assessment of Learning in Art	3	C	
<i>Complete 2 courses:</i>			
Upper Division Art Education Proficiency Course	6	C	
Upper Division Elective OR BLE 407: SEI for Secondary Students (L)	3		
Term hours subtotal:	12		

- Teacher College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.
- Teachers College requirement: Students pursuing K-12 certification will enroll in an internship course (SED 496) and be expected to complete 75 hrs over 12 weeks in a K-12th grade classroom. Reliable transportation is required to get to school sites.
- Apply for **full-time career opportunities**.

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
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ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing	ART 231: Sculpture I	ART 211: Drawing
ART 214: Figure Drawing	ART 261: Ceramic Survey	ART 214: Figure Drawing
ART 223: Painting	ART 272: Introduction to Metals and Jewelry	ART 216: Intermedia Practices
ART 227: Watercolor	ART 274: Wood I	ART 217: Introduction to Computer Animation
ART 253: Introduction to Printmaking	ART 276: Introduction to Textiles	ART 218: 3D Tools
FSH 203: Fashion Illustration	FSH 202: Fashion Construction	ART 223: Painting
		ART 227: Watercolor
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Introduction to Textiles
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus	Art Education Proficiency Courses (Requires approval; see Note in term 4)
ARS 362: Survey of Aztec, Maya and Inka Art (HU)	ARS 330: The Portrait (HU)	ARA Elective
ARS 369: Mexican Art (HU)	ARS 340: Art in America (HU & H)	ARE Elective
ARS 394: Anime	ARS 345: Art and Television	ARS Elective
ARS 394: Egyptian Art and Culture	ARS 370: The Art of the Comic	ART Elective
ARS 394: Islamic Art	ARS 394: Modern and Contemporary Chinese Art	
ARS 394: Modern and Contemporary Chinese Art	ARS 435: The Pre-Raphaelites	
ARS 402: Art of Ancient Egypt (HU & H)	ARS 438: Art of the 20th Century I (HU & H)	
ARS 444: Films of India	ARS 439: Art of the 20th Century II (HU & H)	
ARS 465: Native Art of North America (HU & C & H)	ARS 440: Identity and World Film (C)	
ARS 472: Art of China (HU)	ARS 443: Artists in Film: Artists' Biopics	
ARS 473: Art of Japan (HU)	ARS 445: History of Animation	
ARS 475: Chinese Painting (HU)	ARS 485: Women in the Visual Arts (L)	
ARS 494: Art of the Inka and their Ancestors		



ARS 494: Global Textiles and Fashion

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ARS 494: Histories of African Art and Visual Culture

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ARS 494: Oceanic Art

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Art (Art History), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTHBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors.</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	
Mathematics (MA)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 30 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	C	<ul style="list-style-type: none"> <li>• ARS Elective cannot be ARS 100 or ARS 300.</li> </ul>

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV . 4 C

ARS Elective 3 C

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

❗ Complete Mathematics (MA) requirement.

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 13

- Build your professional connections -- join the [ASU Mentor Network](#)

Term 4 43 - 59 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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❗ ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU) 3 C

Second Language: Requirement satisfied through the following:  
❗ \* Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV . 4 C

Natural Science - Quantitative (SQ) 4

Complete 2 courses:  
Elective 5

Term hours subtotal: 16

- Create a first draft **resume**.
- Explore an **internship**.

Term 5 59 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Art History Asian/African/Native Am./Latin Am. 3 C

Upper Division Art History Renaissance/Baroque Focus 3 C

ARA OR ARE OR APH OR ART Elective 3 C

Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4

Social-Behavioral Sciences (SB) 3

Term hours subtotal: 16

- Art Elective cannot be ARA 311.
- Use Handshake to research **employment opportunities**.

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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Upper Division Art History Ancient/Medieval Focus 3 C

Upper Division Art History Modern Focus 3 C

ARA OR ARE OR APH OR ART Elective 3 C

Complete 2 courses:  
Upper Division Elective 6

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Art Elective cannot be ARA 311.

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ARS 480: Research Methods (L) 3 C

ARS Upper Division Elective 3 C

ARA OR ARE OR APH OR ART Elective 3 C

Complete 2 courses:  
Upper Division Elective 6

Term hours subtotal: 15

- Art Elective cannot be ARA 311.
- ARS elective cannot be ARS 300.
- Gather **professional references**.

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ARS 498: Pro-Seminar (L)	3	C	<ul style="list-style-type: none"> <li>• ARS elective cannot be ARS 300.</li> <li>• ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.</li> <li>• Apply for full-time career opportunities.</li> </ul>
ARS course (HU) Upper Division	3	C	
ARS Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Art History Ancient/Medieval Focus	Art History Modern Focus	Art History Renaissance/Baroque Focus
ARS 394: Art and Myth in Ancient Greece	ARS 330: The Portrait (HU)	ARS 310: The Renaissance in Tuscany
ARS 394: Egyptian Art and Culture	ARS 340: Art in America (HU & H)	ARS 330: The Portrait (HU)
ARS 394: Islamic Art	ARS 345: Art and Television	ARS 394: Art of Italian Renaissance
ARS 394: Medieval Art: Cross-Cultural Perspectives	ARS 370: The Art of the Comic	ARS 418: German Renaissance and Reformation Art (HU)
ARS 402: Art of Ancient Egypt (HU & H)	ARS 394: 18th & 19th Century European Jewelry Design	ARS 422: Italian High Renaissance Art and Mannerism (HU)
ARS 404: Greek Art (HU & H)	ARS 394: 20th Century American & European Jewelry Design	ARS 424: Italian Baroque Art (HU & H)
ARS 406: Roman Art (HU & H)	ARS 394: Anime	ARS 498: Pro-Seminar (L)
ARS 414: Monasteries, Madonnas and Manuscripts (HU & H)	ARS 394: Modern and Contemporary Chinese Art	ARS 498: The Renaissance Book: Graphics (L)
ARS 498: Greek Sculpture: Geometric through Hellenistic (L)	ARS 435: The Pre-Raphaelites	
ARS 498: Pompeii & Herculaneum (L)	ARS 438: Art of the 20th Century I (HU & H)	
ARS 498: Pro-Seminar (L)	ARS 439: Art of the 20th Century II (HU & H)	
ARS 498: Tutankahmen & His Times (L)	ARS 440: Identity and World Film (C)	
	ARS 443: Artists in Film: Artists' Biopics	
	ARS 445: History of Animation	
	ARS 485: Women in the Visual Arts (L)	
	ARS 498: Art and Money (L)	
	ARS 498: Art & Technology (L)	
	ARS 498: Contemporary Art of Asia (L)	
	ARS 498: Fakes and Forgeries in Art (L)	
	ARS 498: New Woman Artist 1900-1945 (L)	
	ARS 498: Pro-Seminar (L)	
	ARS 498: Self, Trauma, and Affect in Art (L)	
	ARS 498: Surrealism & Ethnography (L)	

ARS 498: Theories Modern Sculpture (L)

ARS 498: Visual Culture Studies (L)

Art History Asian/African/Native Am./Latin  
Am. Focus

ARS 362: Survey of Aztec, Maya and Inka Art  
(HU)

ARS 369: Mexican Art (HU)

ARS 394: Anime

ARS 394: Egyptian Art and Culture

ARS 394: Islamic Art

ARS 394: Modern and Contemporary Chinese  
Art

ARS 402: Art of Ancient Egypt (HU & H)

ARS 444: Films of India

ARS 465: Native Art of North America (HU &  
C & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

ARS 494: Art of the Inka and their Ancestors

ARS 494: Global Textiles and Fashion

ARS 494: Histories of African Art and Visual  
Culture

ARS 494: Oceanic Art

ARS 498: Contemporary Art of Asia (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Art (Art History), BA



School/College: [Herberger Institute for Design and the Arts](#)



Location: [Online, ASU Local@Los Angeles](#)

FAARTHBA



Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> </ul>
ASU 101-HDA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	C	
Mathematics (MA)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	C	<ul style="list-style-type: none"> <li>Think about <a href="#">joining a club</a> or civic group in your area of career interest.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
ARS Upper Division Elective	3	C	
Term hours subtotal:	7		

Term 3 - B 32 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	<ul style="list-style-type: none"> <li>• <b>Career steps:</b> Shadow someone in the job/career you are considering.</li> </ul>
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 39 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA OR ARE OR APH OR ART Elective	3	C	
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	
Term hours subtotal:	7		

Term 4 - B 46 - 53 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	7		

Term 5 - A 53 - 60 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 5 - B 60 - 66 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Art History Ancient/Medieval Focus	3	C	<ul style="list-style-type: none"> <li>• <b>Explore internships</b> in your area</li> </ul>
ARA OR ARE OR APH OR ART Elective	3	C	
Term hours subtotal:	6		

Term 6 - A 66 - 72 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Art History Renaissance/Baroque Focus	3	C	
ARS Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 72 - 79 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes



Upper Division Art History Modern Focus	3	C
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	7	

- Use Handshake to research employment opportunities

Term 7 - A 79 - 85 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:		
Upper Division Elective	6	
Term hours subtotal:	6	

Term 7 - B 85 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARA OR ARE OR APH OR ART Elective	3	C
Elective	3	
Term hours subtotal:	6	

Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARS Upper Division Elective	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

Term 8 - B 97 - 103 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:		
Upper Division Elective	6	
Term hours subtotal:	6	

Term 9 - A 103 - 109 Credit Hours	Hours	Minimum Grade	Notes
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ARS course (HU) Upper Division	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

- Gather professional references

Term 9 - B 109 - 115 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARS 480: Research Methods (L)	3	C
Elective	3	
Term hours subtotal:	6	

- Apply for full-time career opportunities

Term 10 - A 115 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARS 498: Pro-Seminar (L)	3	C
Elective	2	
Term hours subtotal:	5	

- ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.

Hide Course List(s)/Track Group(s)

Art History Ancient/Medieval Focus	Art History Modern Focus	Art History Renaissance/Baroque Focus
ARS 394: Art and Myth in Ancient Greece	ARS 340: Art in America (HU & H)	ARS 330: The Portrait (HU)
ARS 394: Egyptian Art and Culture	ARS 345: Art and Television	ARS 394: Art of Italian Renaissance
ARS 394: Islamic Art	ARS 370: The Art of the Comic	ARS 498: The Renaissance Book: Graphics (L)
ARS 402: Art of Ancient Egypt (HU & H)	ARS 394: 18th & 19th Century European Jewelry Design	
ARS 498: Greek Sculpture: Geometric through Hellenistic (L)	ARS 394: 20th Century American & European Jewelry Design	
	ARS 394: Modern and Contemporary Chinese Art	
	ARS 435: The Pre-Raphaelites	
	ARS 438: Art of the 20th Century I (HU & H)	
	ARS 440: Identity and World Film (C)	
	ARS 485: Women in the Visual Arts (L)	
	ARS 498: Contemporary Art of Asia (L)	
Art History Asian/African/Native Am./Latin Am. Focus		
ARS 369: Mexican Art (HU)		
ARS 394: Anime		
ARS 394: Islamic Art		
ARS 394: Modern and Contemporary Chinese Art		
ARS 472: Art of China (HU)		
ARS 473: Art of Japan (HU)		
ARS 494: Global Textiles and Fashion		
ARS 494: Histories of African Art and Visual Culture		
ARS 494: Oceanic Art		
ARS 498: Contemporary Art of Asia (L)		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Art (Art Studies), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTSTDBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only.</li> <li>• Select your <b>Career Interest Communities</b> and play me3@ASU.</li> </ul>
<i>Complete 2 courses:</i>			
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 115: 3-D Design	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>• Students should complete either ART 113 or 116, not both.</li> <li>• ART 113 is a prerequisite to painting and watercolor classes.</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
<i>Complete 2 courses:</i>			
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 115: 3-D Design	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 2D Art Course	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 3D Art Course	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		

Natural Science - Quantitative (SQ) 4

◆ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ Complete 2 courses: 2D or 3D Art Course	6	C	<ul style="list-style-type: none"> <li>• ARA 240: Encounters with Contemporary Art is required for Art majors; course is only offered in spring.</li> <li>• Create a first draft <b>resume</b></li> <li>• Explore an <b>internship</b></li> </ul>
ARA 240: Encounters with Contemporary Art	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA OR ARE OR ARS OR ART OR FSH Elective	3	C	<ul style="list-style-type: none"> <li>• Art Elective course cannot be ARA 311, ARS 100 or ARS 300.</li> <li>• Work with academic advisor to develop performing arts and history of performance and related studies coursework plan.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Performing Arts Elective	3	C	
Upper Division Related Studies Elective	3	C	
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
ARS Upper Division Elective	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Performing Arts Elective	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> </ul>
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Upper Division Related Studies Elective	3	C	
Upper Division Elective OR ART 484: Internship	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Related Studies Elective	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> <li>• Gather <b>professional references</b></li> </ul>
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Upper Division Performing Arts Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> <li>• Apply for full-time <b>career opportunities</b></li> </ul>
Upper Division Performing Arts Elective	3	C	
Complete 2 courses: Upper Division Elective	6		

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing	ART 231: Sculpture I	ART 211: Drawing
ART 214: Figure Drawing	ART 261: Ceramic Survey	ART 214: Figure Drawing
ART 223: Painting	ART 272: Introduction to Metals and Jewelry	ART 216: Intermedia Practices
ART 227: Watercolor	ART 274: Wood I	ART 217: Introduction to Computer Animation
ART 253: Introduction to Printmaking	ART 276: Introduction to Textiles	ART 218: 3D Tools
FSH 203: Fashion Illustration	FSH 202: Fashion Construction	ART 223: Painting
		ART 227: Watercolor
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Introduction to Textiles
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Performing Arts Electives	Upper Division Related Studies Electives	
DCE Elective	Choose a course related to art outside of the School of Art from the subjects below:	
FMP Elective	AFR Upper Division Elective	
MHL Elective	AIS Upper Division Elective	
MTC Elective	APA Upper Division Elective	
MUE Elective	ASB Upper Division Elective	
MUP Elective	FMS Upper Division Elective	
MUS Elective	HST Upper Division Elective	
THE Elective	REL Upper Division Elective	
THF Elective	TCL Upper Division Elective	
THP Elective	WST Upper Division Elective	

Upper Division Humanities, Arts and Design  
(HU)

Upper Division Literacy and Critical Inquiry  
(L)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Art (Ceramics), BFA

School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

FAARTCBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 ART 112: 2-D Design	3	C	
 ART 115: 3-D Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 111: Foundation Drawing OR ART 113: Color OR ART 261: Ceramic Survey	6	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 2D Art Course	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
 ART 111: Foundation Drawing OR ART 113: Color OR ART 261: Ceramic Survey	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			



Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ 2D or 3D Art Course	3	C	<ul style="list-style-type: none"> <li>• ARA 240: Encounters with Contemporary Art is required for BFA majors.</li> <li>• Gather documentation of your past work for future portfolio.</li> <li>• Explore <b>internships</b>.</li> </ul>
⚠ 3D Art Course	3	C	
ARA 240: Encounters with Contemporary Art	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 360: Ceramic Throwing	3	C	<ul style="list-style-type: none"> <li>• Students must complete six hours of upper division ARS coursework (not from ARS 300); must include one Asian/African/Native Am./Latin Am. Focus course and one Modern or Contemporary Focus course.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
ART 364: Ceramic Handbuilding I	3	C	
Upper Division Art History Modern Focus	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 466: Special Problems in Ceramics	3	C	<ul style="list-style-type: none"> <li>• ART 460 is only offered during odd numbered Fall semesters; ART 463 is only offered during even numbered Spring semesters. Please meet with an academic advisor for scheduling information.</li> <li>• Art Elective course cannot be ARA 311, ARS 100 or ARS 300.</li> </ul>
ART 460: Ceramic Clay OR ART 463: Ceramic Glaze	3	C	
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
ARA OR ARE OR ARS OR ART OR FSH Elective	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA 396: Professional Practices for Design and the Arts	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.</li> <li>• Gather <b>professional references</b>.</li> </ul>
★ Complete 2 courses: Upper Division Ceramics Art Elective	6	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.</li> <li>• Complete ART 482 Senior Exhibitions/Portfolio and finalize your portfolio.</li> </ul>
Upper Division Ceramics Art Elective	3	C	
Complete 2 courses: ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	6	C	
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing	ART 231: Sculpture I	ART 211: Drawing
ART 214: Figure Drawing	ART 272: Introduction to Metals and Jewelry	ART 214: Figure Drawing
ART 223: Painting	ART 274: Wood I	ART 216: Intermedia Practices
ART 227: Watercolor	ART 276: Introduction to Textiles	ART 217: Introduction to Computer Animation
ART 253: Introduction to Printmaking	FSH 202: Fashion Construction	ART 218: 3D Tools
FSH 203: Fashion Illustration		ART 223: Painting
		ART 227: Watercolor
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Introduction to Textiles
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Upper Division Ceramics Art Elective	Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus
ART 365: Ceramic Handbuilding II	ARS 362: Survey of Aztec, Maya and Inka Art (HU)	ARS 330: The Portrait (HU)
ART 394: Altered Vessels	ARS 369: Mexican Art (HU)	ARS 340: Art in America (HU & H)
ART 394: Ceramics	ARS 394: Anime	ARS 345: Art and Television
ART 394: Clay on the Wall: Installing Ceramic Art	ARS 394: Egyptian Art and Culture	ARS 370: The Art of the Comic
ART 394: Slipcasting	ARS 394: Islamic Art	ARS 394: Modern and Contemporary Chinese Art
ART 460: Ceramic Clay	ARS 394: Modern and Contemporary Chinese Art	ARS 435: The Pre-Raphaelites
ART 463: Ceramic Glaze	ARS 402: Art of Ancient Egypt (HU & H)	ARS 438: Art of the 20th Century I (HU & H)
ART 466: Special Problems in Ceramics	ARS 444: Films of India	ARS 439: Art of the 20th Century II (HU & H)
ART 494: Advanced Slipcasting	ARS 465: Native Art of North America (HU & C & H)	ARS 440: Identity and World Film (C)
ART 494: Art and Science	ARS 472: Art of China (HU)	ARS 443: Artists in Film: Artists' Biopics
ART 494: Art on the Wall: Installing Ceramic Art		ARS 445: History of Animation
ART 494: Ceramic Design		ARS 485: Women in the Visual Arts (L)

ART 494: Ceramic Tableware Design	ARS 473: Art of Japan (HU)
ART 494: China Painting	ARS 475: Chinese Painting (HU)
	ARS 494: Art of the Inka and their Ancestors
	ARS 494: Global Textiles and Fashion
	ARS 494: Histories of African Art and Visual Culture
	ARS 494: Oceanic Art

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map

### Art (Digital Photography), BFA



School/College: [Herberger Institute for Design and the Arts](#)

Location: [Online, ASU Local@Los Angeles](#)



HIARTDPBFA


Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ART 206: Digital Photography I	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ASU 101-HDA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ART 207: Digital Photography II	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 Complete ART 206 course(s).			
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>Career planning tip: Think about joining a <b>club</b> or civic group in your area of career interest.</li> </ul>
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours	Hours	Minimum Grade	Notes
ARS 250: History of Photography (HU)	3	C	



Computer/Statistics/Quantitative Applications (CS)	3
Term hours subtotal:	6

Term 3 - B 31 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>Career steps: <b>Shadow</b> someone in the job/career you are considering.</li> </ul>
FMS 110: Introduction to New Media (HU) OR ART 116: Introduction to Digital Media	3	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		


Term 4 - A 37 - 43 Credit Hours	Hours	Minimum Grade	Notes
ARA 309: Photography Now	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 4 - B 43 - 50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>Career tip: Gather documentation of your past work for a future portfolio. Explore <b>internship</b> opportunities in your area.</li> </ul>
Elective	3		
 Complete ARS 101 AND ARS 102 course(s).			
Term hours subtotal:	7		

Term 5 - A 50 - 56 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ART 317: Advanced Digital Photography	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 5 - B 56 - 62 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Photography Elective	3	C	<ul style="list-style-type: none"> <li>Visit <b>Career Services</b> for career advising, webinars, career postings and a Career Guide.</li> <li>The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 62 - 69 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Upper Division Related Area	3	C	
Elective	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Photography Elective	3	C	<ul style="list-style-type: none"> <li>• Visit <a href="#">Career Services</a> for career advising, webinars, career postings and a Career Guide.</li> <li>• The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406.</li> </ul>
Upper Division Related Area	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Photography Elective	3	C	<ul style="list-style-type: none"> <li>• The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Photography Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division ARS Modern Focus	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Photography Elective	3	C	<ul style="list-style-type: none"> <li>• The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406.</li> <li>• Begin planning for your Photography Capstone by talking with your faculty.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) (MCO 450 recommended)	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Photography Elective	3	C	<ul style="list-style-type: none"> <li>• The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 407: Digital Photography Capstone	3	C	
Upper Division Related Area	3	C	
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Upper Division Photography Elective	Related Area Course	Upper Division ARS Modern Focus
ART 300: Photo Editing: Narrative/Non-Narrative	ARA 489: Writing Art and Design Criticism (L)	ARS 330: The Portrait (HU) ARS 340: Art in America (HU & H)
ART 302: The Still and Moving Image: Digital Photography and Video	FMS 351: Emerging Digital Media MCO 307: The Digital Audience	ARS 345: Art and Television ARS 370: The Art of the Comic
ART 394: Art and Activism	MCO 335: Social Media	ARS 394: Anime
ART 394: Death and Photography	MCO 425: Digital Media Literacy I	ARS 438: Art of the 20th Century I (HU & H)
ART 394: Sick Pictures: Photography and Illness	MCO 450: Visual Communication (HU)	ARS 445: History of Animation
ART 400: The Photobook	MCO 460: Race, Gender, and Media (C)	
ART 402: Traditional Genres in Photography	MCO 473: Sex, Love, and Romance in the Mass Media (SB)	
ART 406: New Genres in Digital Photography		
ART 412: Advanced Techniques in Digital Photography		
ART 494: Art and Censorship		
ART 494: Traditional Genres: Photographing Place and Space		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map




### Art (Intermedia), BFA





School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

FAARTIBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ART 111: Foundation Drawing	3	C	
 ART 116: Introduction to Digital Media	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• ART 216 recommended for Intermedia majors in term 2 and must be completed by term 3.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 ART 112: 2-D Design OR ART 115: 3-D Design OR ART 216: Intermedia Practices	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 112: 2-D Design OR ART 115: 3-D Design OR ART 216: Intermedia Practices	3	C	<ul style="list-style-type: none"> <li>• ART 216 recommended for Intermedia majors in term 2 and must be completed by term 3.</li> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 2D Art Course	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ 2D or 3D Art Course	3	C	<ul style="list-style-type: none"> <li>• ARA 240: Encounters with Contemporary Art is required for BFA majors.</li> <li>• Gather documentation of your past work for your future portfolio.</li> <li>• Explore an <b>internship</b>.</li> </ul>
⚠ 3D Art Course	3	C	
ARA 240: Encounters with Contemporary Art	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ARA 330: Issues in Intermedia	3	C	<ul style="list-style-type: none"> <li>• ARS Upper Division Elective cannot be ARS 300.</li> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Upper Division Intermedia Elective	3	C	
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ART 439: Intermedia Studio	3	C	<ul style="list-style-type: none"> <li>• ART 439: Intermedia Studio is only offered in the spring semester.</li> </ul>
★ ART 443: Intermedia Performance	3	C	
ART 440: Experimental Video Art	3	C	
Upper Division Art History Modern Focus	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ARA 396: Professional Practices for Design and the Arts	3	C	<ul style="list-style-type: none"> <li>• ARS Upper Division Elective cannot be ARS 300.</li> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
Complete 2 courses:			
Upper Division Intermedia Elective	6	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Complete ART 482: Senior Exhibitions/Portfolio and finalize portfolio.</li> </ul>
Upper Division Intermedia Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Elective	1	C	

Term hours subtotal: 12

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); these must include 6 upper division hours, one Asian/African/Native Am./Latin Am. Focus course, and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th Century Focus course and elective must be upper division and one must include an HU general studies designation.

## Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 217: Introduction to Computer Animation	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 218: 3D Tools	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 231: Sculpture I	ART 205: Photography II: Color
ART 211: Drawing	ART 261: Ceramic Survey	ART 211: Drawing
ART 214: Figure Drawing	ART 272: Introduction to Metals and Jewelry	ART 214: Figure Drawing
ART 223: Painting	ART 274: Wood I	ART 217: Introduction to Computer Animation
ART 227: Watercolor	ART 276: Introduction to Textiles	ART 218: 3D Tools
ART 253: Introduction to Printmaking	FSH 202: Fashion Construction	ART 223: Painting
FSH 203: Fashion Illustration		ART 227: Watercolor
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Introduction to Textiles
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Upper Division Intermedia Elective	Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus
ART 308: 2D Digital Animation	ARS 362: Survey of Aztec, Maya and Inka Art (HU)	ARS 330: The Portrait (HU)
ART 312: Illustration	ARS 369: Mexican Art (HU)	ARS 340: Art in America (HU & H)
ART 346: 3-D Computer Imaging and Animation (CS)	ARS 394: Anime	ARS 345: Art and Television
ART 348: Animation Motion Studies	ARS 394: Egyptian Art and Culture	ARS 370: The Art of the Comic
ART 378: Digital Textiles	ARS 394: Islamic Art	ARS 394: Modern and Contemporary Chinese Art
ART 417: Storyboarding and Narrative Sequencing	ARS 394: Modern and Contemporary Chinese Art	ARS 435: The Pre-Raphaelites
		ARS 438: Art of the 20th Century I (HU & H)

ART 424: Stop Motion Animation	ARS 402: Art of Ancient Egypt (HU & H)	ARS 439: Art of the 20th Century II (HU & H)
ART 442: Art and Community	ARS 444: Films of India	
ART 494: Art and Science	ARS 465: Native Art of North America (HU & C & H)	ARS 440: Identity and World Film (C)
ART 494: Documentary Video Art		ARS 443: Artists in Film: Artists' Biopics
ART 494: Time, Narrative & the Multiple	ARS 472: Art of China (HU)	ARS 445: History of Animation
ART 494: Visual Prototyping	ARS 473: Art of Japan (HU)	ARS 485: Women in the Visual Arts (L)
ART 494: Women/Art/Technology	ARS 475: Chinese Painting (HU)	
ART 499: Individualized Instruction	ARS 494: Art of the Inka and their Ancestors	
	ARS 494: Global Textiles and Fashion	
	ARS 494: Histories of African Art and Visual Culture	
	ARS 494: Oceanic Art	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Art (Museum Studies), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTMSBA

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> All students are required to take a placement exam, regardless of prior credit earned.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.	4	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	17		
Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 33 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) 3 C

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV. 4 C

Natural Science - Quantitative (SQ) 4

Elective 3

❖ Complete Mathematics (MA) requirement.

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 14

- Build your professional connections -- join the [ASU Mentor Network](#)

Term 4 47 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:

❖ \* Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV. 4 C

ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) 3 C

Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4

Elective 3

Term hours subtotal: 14

- Create a first draft [resume](#).
- Explore an [internship](#).

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Art History Ancient/Medieval Focus 3 C

Upper Division Art History Renaissance/Baroque Focus 3 C

Upper Division Professional Practice/Museology Course 3 C

Complete 2 courses: 6

Upper Division Elective

Term hours subtotal: 15

- Use Handshake to research [employment opportunities](#).

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARS 350: Museums: Meaning and Function OR ARS 456: Introduction to Museums 3 C

Upper Division Art History Modern Focus 3 C

Related Area Course 3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Upper Division Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Museum Studies students should speak with the internship coordinator, Dr. Betsy Fahlman, regarding internship opportunities.

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARS 480: Research Methods (L) 3 C

Upper Division Professional Practice/Museology Course 3 C

Related Area Course 3 C

Upper Division Elective 3

Elective 3

- Gather [professional references](#).

Term hours subtotal: 15

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS 498: Pro-Seminar (L)	3	C	<ul style="list-style-type: none"> <li>• ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.</li> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Professional Practice/Museology Course	3	C	
Related Area Course	3	C	
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14		

- Related Area Course: complete nine hours total, see list below. These courses provide a range of potentially useful information for museum studies majors. The School of Art recommends selecting at least six hours from upper-division options. All course substitutions must be approved by the School of Art.

Hide Course List(s)/Track Group(s)

Art History Ancient/Medieval Focus	Art History Modern Focus	Art History Renaissance/Baroque Focus
ARS 394: Art and Myth in Ancient Greece	ARS 330: The Portrait (HU)	ARS 310: The Renaissance in Tuscany
ARS 394: Egyptian Art and Culture	ARS 340: Art in America (HU & H)	ARS 330: The Portrait (HU)
ARS 394: Islamic Art	ARS 345: Art and Television	ARS 394: Art of Italian Renaissance
ARS 394: Medieval Art: Cross-Cultural Perspectives	ARS 370: The Art of the Comic	ARS 418: German Renaissance and Reformation Art (HU)
ARS 402: Art of Ancient Egypt (HU & H)	ARS 394: Anime	ARS 422: Italian High Renaissance Art and Mannerism (HU)
ARS 404: Greek Art (HU & H)	ARS 394: Modern and Contemporary Chinese Art	ARS 424: Italian Baroque Art (HU & H)
ARS 406: Roman Art (HU & H)	ARS 435: The Pre-Raphaelites	
ARS 414: Monasteries, Madonnas and Manuscripts (HU & H)	ARS 438: Art of the 20th Century I (HU & H)	
ARS 498: Pompeii & Herculaneum (L)	ARS 439: Art of the 20th Century II (HU & H)	
ARS 498: Tutankahmen & His Times (L)	ARS 440: Identity and World Film (C)	
	ARS 443: Artists in Film: Artists' Biopics	
	ARS 445: History of Animation	
	ARS 485: Women in the Visual Arts (L)	
	ARS 498: Art & Technology (L)	
	ARS 498: Art and Money (L)	
	ARS 498: Fakes and Forgeries in Art (L)	
	ARS 498: New Woman Artist 1900-1945 (L)	
	ARS 498: Self, Trauma, and Affect in Art (L)	
	ARS 498: Surrealism & Ethnography (L)	
	ARS 498: Theories Modern Sculpture (L)	

ARS 498: Visual Culture Studies (L)

Professional Practice/Museology	Related Area Courses
ARA 460: Gallery Exhibitions	ACC 382: Accounting and Financial Analysis
ARA 489: Writing Art and Design Criticism (L)	ARA 396: Professional Practices for Design and the Arts
ARS 484: Internship	MKT 395: Essentials of Advertising and Marketing Communication
ARS 494: Contemporary Issues in Curatorial Practice	NLM 160: Voluntary Action and Community Leadership (SB)
ARS 494: Curating the Contemporary	NLM 220: Introduction to Nonprofit Organizations
ARS 494: Curation and Globalization	NLM 300: Fund Raising and Resource Development
ARS 494: Curatorial Activism	NLM 310: Volunteer Management
ARS 494: Museum Histories, Theories, And Debates	NLM 430: Managing Nonprofit Organizations (L)
ARS 494: Museums In Global Contexts	PAF 300: Public Management and Administration
ARS 494: Philosophy of Curatorial Practice: 1800-Present	PAF 340: Contemporary Policy Challenges
ART 409: Photographic Exhibition	PAF 420: Managing Across Boundaries
	PRM 120: Leisure and the Quality of Life (SB)
	PRM 210: Leisure Delivery Systems
	TDM 205: Introduction to Travel and Tourism (G)
	TDM 345: Meeting and Convention Planning
	TDM 350: Tourism, Recreation and Sports Marketing
	TDM 386: Convention Sales and Management
	TDM 448: Heritage and Cultural Tourism
	TDM 458: International Tourism (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.



**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Art (Museum Studies), BA

School/College: [Herberger Institute for Design and the Arts](#)

Location: [Online, ASU Local@Los Angeles](#)

FAARTMSBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> </ul>
ASU 101-HDA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>Think about joining a <a href="#">club</a> or civic group in your area of career interest.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Related Area Courses	3	C	<ul style="list-style-type: none"> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language. 16 Credit Hour(s)	4	C	
Term hours subtotal:	7		

Term 3 - B 32 - 39 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language. 16 Credit Hour(s)	4	C	<ul style="list-style-type: none"> <li>Career steps: Shadow someone in the job/career you are considering.</li> </ul>
Social-Behavioral Sciences (SB)	3		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 39 - 46 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language. 16 Credit Hour(s)	4	C	
Elective	3		
Term hours subtotal:	7		

Term 4 - B 46 - 53 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>Create a first draft resume</li> </ul>
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language. 16 Credit Hour(s)	4	C	
Term hours subtotal:	7		

Term 5 - A 53 - 60 Credit Hours	Hours	Minimum Grade	Notes
Related Area Courses	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 5 - B 60 - 66 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Professional Practice/Museology Course	3	C	<ul style="list-style-type: none"> <li>Explore internships in your area</li> </ul>
Upper Division Art History Ancient/Medieval Focus	3	C	
Term hours subtotal:	6		

Term 6 - A 66 - 72 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Professional Practice/Museology Course	3	C	
Upper Division Art History Renaissance/Baroque Focus	3	C	
Term hours subtotal:	6		

Term 6 - B 72 - 79 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
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ARS 350: Museums: Meaning and Function	3	C
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	7	

- Use Handshake to research employment opportunities

Term 7 - A 79 - 85 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	6	

Term 7 - B 85 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Professional Practice/Museology Course	3	C
Elective	3	
Term hours subtotal:	6	

Term 8 - A 91 - 97 Credit Hours	Hours	Minimum Grade	Notes
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Related Area Courses	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

Term 8 - B 97 - 103 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Art History Modern Focus	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

Term 9 - A 103 - 109 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Upper Division Elective	3	
Term hours subtotal:	6	

- Gather professional references

Term 9 - B 109 - 115 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARS 480: Research Methods (L)	3	C
Elective	3	
Term hours subtotal:	6	

- Apply for full-time career opportunities

Term 10 - A 115 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARS 498: Pro-Seminar (L)	3	C
Elective	2	
Term hours subtotal:	5	

- ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.

Hide Course List(s)/Track Group(s)

Art History Ancient/Medieval Focus	Art History Modern Focus	Art History Renaissance/Baroque Focus
ARS 394: Art and Myth in Ancient Greece	ARS 330: The Portrait (HU)	ARS 330: The Portrait (HU)
ARS 394: Egyptian Art and Culture	ARS 340: Art in America (HU & H)	ARS 394: Art of Italian Renaissance
ARS 394: Islamic Art	ARS 345: Art and Television	
ARS 402: Art of Ancient Egypt (HU & H)	ARS 370: The Art of the Comic	
	ARS 438: Art of the 20th Century I (HU & H)	
	ARS 440: Identity and World Film (C)	
	ARS 485: Women in the Visual Arts (L)	
Professional Practice/Museology	Related Area Courses	
ARA 489: Writing Art and Design Criticism (L)	ACC 382: Accounting and Financial Analysis	
ARS 484: Internship	ARA 396: Professional Practices for Design and the Arts	
ARS 494: Contemporary Issues in Curatorial Practice	NLM 310: Volunteer Management	
ARS 494: Curating the Contemporary	PAF 300: Public Management and Administration	
ARS 494: Curation and Globalization	PAF 340: Contemporary Policy Challenges	
ARS 494: Curatorial Activism	PAF 420: Managing Across Boundaries	
ARS 494: Intro to Global Heritage Studies	PRM 120: Leisure and the Quality of Life (SB)	
ARS 494: Museum Histories, Theories, And Debates	PRM 210: Leisure Delivery Systems	
ARS 494: Museums In Global Contexts	TDM 205: Introduction to Travel and Tourism (G)	
ARS 494: Philosophy of Curatorial Practice: 1800-Present	TDM 345: Meeting and Convention Planning	
	TDM 350: Tourism, Recreation and Sports Marketing	
	TDM 448: Heritage and Cultural Tourism	
	TDM 458: International Tourism (G)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Art (Painting and Drawing), BFA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus




HIARTPDBFA



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ART 111: Foundation Drawing	3	C	
ART 112: 2-D Design OR ART 113: Color	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ART 211: Drawing OR ART 223: Painting	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ART 112: 2-D Design OR ART 113: Color	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ART 211: Drawing OR ART 223: Painting	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
ART 115: 3-D Design	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 227: Watercolor OR ART 214: Figure Drawing	3	C	<ul style="list-style-type: none"> <li>• Gather documentation of your past work for your future portfolio</li> <li>• Explore <b>internships</b></li> </ul>
2D or 3D Art Course	3	C	
ARA OR ARE OR ARS OR ART OR FSH Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3	C	
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ART 323: Intermediate Painting	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
ARA 240: Encounters with Contemporary Art	3	C	
ART 311: Intermediate Drawing	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Upper Division Art History Modern Focus	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 396: Professional Practices for Design and the Arts	3	C	
ART 327: Intermediate Watercolor OR ART 325: Figure Painting OR ART 314: Intermediate Figure Drawing	3	C	
Upper Division Art History Asian/African/Native Am./Latin Am. focus	3	C	
Upper Division Drawing/Painting Elective	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			<ul style="list-style-type: none"> <li>• Gather <b>professional references</b></li> </ul>
Upper Division Drawing/Painting Elective	6	C	
ART 429: Painting and Drawing Research Studio	3	C	
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Complete ART 482: Senior Exhibitions/Portfolio and finalize portfolio</li> </ul>
Upper Division Drawing/Painting Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	12		



- Students must complete nine hours of ARS coursework (not from ARS 100 or 300); must include six hours upper-division, one Asian/African/Native Am./Latin Am. Focus course, and one Modern Focus course. If students take a lower-division Asian/African/Native Am./Latin Am. Focus course, the Modern Focus course and elective must be upper-division and one must include an HU General Studies designation.

Hide Course List(s)/Track Group(s)

2D or 3D Art Course	Drawing/Painting Elective	Art History Asian/African/Native Am./Latin Am. Focus
ART 201: Photography I (HU)	ART 314: Intermediate Figure Drawing	ARS 362: Survey of Aztec, Maya and Inka Art (HU)
ART 204: Photography II: Black and White	ART 325: Figure Painting	ARS 369: Mexican Art (HU)
ART 205: Photography II: Color	ART 327: Intermediate Watercolor	ARS 394: Anime
ART 214: Figure Drawing	ART 354: Screen Printing I or ART 459: Monoprinting	ARS 394: Egyptian Art and Culture
ART 216: Intermedia Practices	ART 411: Drawing IV	ARS 394: Islamic Art
ART 217: Introduction to Computer Animation	ART 414: Life Drawing III	ARS 394: Modern and Contemporary Chinese Art
ART 218: 3D Tools	ART 423: Advanced Painting	ARS 402: Art of Ancient Egypt (HU & H)
ART 227: Watercolor	ART 425: Intermediate Figure Painting	ARS 444: Films of India
ART 231: Sculpture I	ART 427: Art on Paper	ARS 465: Native Art of North America (HU & C & H)
ART 253: Introduction to Printmaking	ART 494: China Painting	ARS 472: Art of China (HU)
ART 261: Ceramic Survey	ART 494: Color and Sustainable Practice	ARS 473: Art of Japan (HU)
ART 272: Introduction to Metals and Jewelry	ART 498: Pro-Seminar (L)	ARS 475: Chinese Painting (HU)
ART 274: Wood I	ART 499: Individualized Instruction	ARS 494: Art of the Inka and their Ancestors
ART 276: Introduction to Textiles		ARS 494: Global Textiles and Fashion
FSH 202: Fashion Construction		ARS 494: Histories of African Art and Visual Culture
FSH 203: Fashion Illustration		ARS 494: Oceanic Art
Art History Modern Focus		
ARS 330: The Portrait (HU)		
ARS 340: Art in America (HU & H)		
ARS 345: Art and Television		
ARS 370: The Art of the Comic		
ARS 394: Modern and Contemporary Chinese Art		
ARS 435: The Pre-Raphaelites		
ARS 438: Art of the 20th Century I (HU & H)		

ARS 439: Art of the 20th Century II (HU & H)

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ARS 440: Identity and World Film (C)

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ARS 443: Artists in Film: Artists' Biopics

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ARS 445: History of Animation

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ARS 485: Women in the Visual Arts (L)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Art (Photography), BFA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTPHBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	
 ART 204: Photography II: Black and White OR ART 205: Photography II: Color	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Students are required to submit a Photography portfolio and application to be fully admitted into the Photography degree.</li> </ul>
 ART 204: Photography II: Black and White OR ART 205: Photography II: Color	3	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
ART 115: 3-D Design	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	

Natural Science - Quantitative (SQ)	4
Elective	3
❗ Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 47 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ARA 240: Encounters with Contemporary Art	3	C	<ul style="list-style-type: none"> <li>Gather documentation of your past work for your professional portfolio.</li> <li>Explore <b>internships</b>.</li> </ul>
ARS 250: History of Photography (HU)	3	C	
3D Art Course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Photography Elective	3	C	<ul style="list-style-type: none"> <li>Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> </ul>
Complete 2 courses: Upper Division Photography Elective	6	C	
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA 396: Professional Practices for Design and the Arts	3	C	<ul style="list-style-type: none"> <li>ARS Upper Division Elective cannot be ARS 300.</li> <li>Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Photography Elective	3	C	
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>ARS Upper Division Elective cannot be ARS 300.</li> </ul>
Complete 2 courses: Upper Division Photography Elective	6	C	

ARS Upper Division Elective	3	C
Term hours subtotal:	12	

- Art Elective cannot be ARA 311, ARS 100 or ARS 300.
- Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio.

- Students must complete 12 hours of ARS coursework (not from ARS 100 or 300); must include ARS 250, nine upper-division hours, and one Asian/African/Native Am./Latin Am. Focus course.

Hide Course List(s)/Track Group(s)

3D Art Course	Photography Elective	Art History Asian/African/Native Am./Latin Am. Focus
ART 216: Intermedia Practices	ARA 309: Photography Now	
ART 217: Introduction to Computer Animation	ARA 498: Photography and Language (L)	ARS 362: Survey of Aztec, Maya and Inka Art (HU)
ART 218: 3D Tools	ART 301: Alternative Processes I	ARS 369: Mexican Art (HU)
ART 231: Sculpture I	ART 304: Junior Photographic Projects	ARS 394: Anime
ART 261: Ceramic Survey	ART 307: View Camera	ARS 394: Egyptian Art and Culture
ART 272: Introduction to Metals and Jewelry	ART 394: Advanced Black and White	ARS 394: Islamic Art
ART 274: Wood I	ART 394: Photography As The Constructed Image	ARS 394: Modern and Contemporary Chinese Art
ART 276: Introduction to Textiles	ART 403: Senior Photographic Projects	ARS 402: Art of Ancient Egypt (HU & H)
FSH 202: Fashion Construction	ART 404: Portraiture Photography	ARS 444: Films of India
	ART 408: Experimental Film	ARS 465: Native Art of North America (HU & C & H)
	ART 409: Photographic Exhibition	
	ART 410: Landscape Photography	ARS 472: Art of China (HU)
	ART 415: Digital Compositing	ARS 473: Art of Japan (HU)
	ART 418: Alternative Processes II	ARS 475: Chinese Painting (HU)
	ART 467: Art and Ecology	ARS 494: Art of the Inka and their Ancestors
	ART 494: The Body and Representation	ARS 494: Global Textiles and Fashion
	ART 494: Digital Cameras & Photo Editing	ARS 494: Histories of African Art and Visual Culture
	ART 494: Digital Printing	ARS 494: Oceanic Art
	ART 494: Documentary Photography	
	ART 494: Labor and Representation	
	ART 494: Photo Fieldwork	
	ART 494: Photogravure	
	ART 494: Photolithography Prints	
	ART 494: The Photobook	
	ART 494: Street Photography	
	ART 498: Pro-Seminar (L)	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Art (Printmaking), BFA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTPMBFA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 115: 3-D Design	3	C	
 ART 113: Color	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 115: 3-D Design	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 ART 253: Introduction to Printmaking	3	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 115: 3-D Design	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 2D Art Course	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		

Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ 2D or 3D Art Course	3	C	<ul style="list-style-type: none"> <li>Gather information of your past work for your future portfolio.</li> <li>Explore <b>internships</b>.</li> </ul>
◆ 3D Art Course	3	C	
ARA 240: Encounters with Contemporary Art	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 354: Screen Printing I	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
ARA OR ARE OR ARS OR ART OR FSH Lower Division Elective	3	C	
Upper Division Printmaking Elective	3	C	
Upper Division Art History Asian/ African/ Native Am./ Latin Am. Focus	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 352: Lithography I	3	C	<ul style="list-style-type: none"> <li>ARS Upper Division Elective cannot be ARS 300.</li> <li>Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>ART 354 must be completed by term 6.</li> </ul>
ART 351: Intaglio I	3	C	
ARS course (HU) Upper Division	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA 396: Professional Practices for Design and the Arts	3	C	<ul style="list-style-type: none"> <li>Art Upper Division Elective cannot be ARA 311 or ARS 300.</li> <li>Gather <b>professional references</b>.</li> </ul>
Complete 2 courses:			
Upper Division Printmaking Elective	6	C	
ARS Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>Art Elective courses cannot be ARA 311, ARS 100 or ARS 300.</li> <li>Complete ART 482: Senior Exhibitions/Portfolio and finalize portfolio.</li> </ul>
Upper Division Printmaking Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	



Term hours subtotal: 12

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course, and 2 upper division ARS electives. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, both ARS electives must be upper division and one must include an HU general studies designation.

## Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing	ART 231: Sculpture I	ART 211: Drawing
ART 214: Figure Drawing	ART 261: Ceramic Survey	ART 214: Figure Drawing
ART 223: Painting	ART 272: Introduction to Metals and Jewelry	ART 216: Intermedia Practices
ART 227: Watercolor	ART 274: Wood I	ART 217: Introduction to Computer Animation
FSH 203: Fashion Illustration	ART 276: Introduction to Textiles	ART 218: 3D Tools
	FSH 202: Fashion Construction	ART 223: Painting
		ART 227: Watercolor
		ART 231: Sculpture I
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		ART 276: Introduction to Textiles
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Printmaking Elective	Art History Asian/African/Native Am./Latin Am. Focus	
ART 394: Art Zines: Self-Publishing, Protest & Change	ARS 362: Survey of Aztec, Maya and Inka Art (HU)	
ART 445: Digital Processes for Printmaking	ARS 369: Mexican Art (HU)	
ART 451: Advanced Intaglio	ARS 394: Anime	
ART 452: Advanced Lithography	ARS 394: Egyptian Art and Culture	
ART 453: Experimental Printmaking: Expanding the Matrix	ARS 394: Islamic Art	
ART 454: Advanced Screen Printing	ARS 394: Modern and Contemporary Chinese Art	
ART 455: Artists' Books		

ART 456: Letterpress Studio	ARS 402: Art of Ancient Egypt (HU & H)
ART 458: Paper Studio	ARS 444: Films of India
ART 459: Monoprinting	ARS 465: Native Art of North America (HU & C & H)
ART 494: Field to Museum: Art & Science Collections	ARS 472: Art of China (HU)
ART 494: Photogravure	ARS 473: Art of Japan (HU)
ART 494: Photolithography Prints	ARS 475: Chinese Painting (HU)
ART 494: Time, Narrative & the Multiple	ARS 494: Art of the Inka and their Ancestors
	ARS 494: Global Textiles and Fashion
	ARS 494: Histories of African Art and Visual Culture
	ARS 494: Oceanic Art

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map




### Art (Sculpture), BFA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAARTSBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of first-year art majors only.</li> <li>• Select your <b>career interest communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
 ART 111: Foundation Drawing OR ART 112: 2-D Design	3	C	
 ART 115: 3-D Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 231: Sculpture I OR ART 272: Introduction to Metals and Jewelry or ART 274: Wood I	3	C	<ul style="list-style-type: none"> <li>• Students should complete either ART 113 or 116, not both. ART 116 is recommended for Sculpture majors over ART 113.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 231: Sculpture I OR ART 272: Introduction to Metals and Jewelry or ART 274: Wood I	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		

❗ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ 2D Art Course	3	C	<ul style="list-style-type: none"> <li>• ARA 240: Encounters with Contemporary Art is required for BFA majors.</li> <li>• Gather documentation of past works for your future portfolio.</li> <li>• Explore an <b>internship</b>.</li> </ul>
❗ 2D or 3D Art Course	3	C	
ARA 240: Encounters with Contemporary Art	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 331: Sculpture II	3	C	<ul style="list-style-type: none"> <li>• Students must complete six hours of upper-division ARS coursework (not from ARS 300). One course must have the HU designation.</li> <li>• Art Elective course cannot be ARA 311, ARS 100 or ARS 300.</li> <li>• Students may use their Upper Division Sculpture Electives to concentrate on Metals or Wood. Recommend ART 372 for Metals emphasis or ART 374 for Woods emphasis.</li> <li>• Faculty recommend at least one of the following art history courses: ARS 438 or ARS 439.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Upper Division Sculpture Elective	3	C	
Upper Division ARS Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
ARA OR ARE OR ARS OR ART OR FSH Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 430: Advanced Sculpture: Materials and Techniques OR ART 434: Advanced Sculpture: Context and Content	3	C	<ul style="list-style-type: none"> <li>• Students must complete six hours of upper-division ARS coursework (not from ARS 300).</li> <li>• Upper Division Sculpture Elective: Recommend ART 373 for Metals emphasis or ART 474 for Woods emphasis.</li> </ul>
Upper Division Sculpture Elective	3	C	
ARS Upper Division Elective	3	C	
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA 396: Professional Practices for Design and the Arts	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.</li> <li>• Upper Division Sculpture Elective: Recommend ART 472 for Metals emphasis.</li> <li>• Gather <b>professional references</b>.</li> </ul>
★ ART 430: Advanced Sculpture: Materials and Techniques OR ART 434: Advanced Sculpture: Context and Content	3	C	
Upper Division Sculpture Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Elective	3		

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.</li> <li>• Upper Division Sculpture Elective: Recommend ART 473 for Metals emphasis.</li> <li>• Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio.</li> </ul>
Upper Division Sculpture Elective	3	C	
Complete 2 courses:			
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	6	C	
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

2D Art Course	2D or 3D Art Course	Upper Division Sculpture Elective
ART 201: Photography I (HU)	ART 201: Photography I (HU)	ART 333: Foundry Casting Methods
ART 204: Photography II: Black and White	ART 204: Photography II: Black and White	ART 372: Casting and Jewelry Techniques
ART 205: Photography II: Color	ART 205: Photography II: Color	ART 373: Form Emphasis in Metals
ART 211: Drawing	ART 211: Drawing	ART 374: Wood II
ART 214: Figure Drawing	ART 214: Figure Drawing	ART 424: Stop Motion Animation
ART 223: Painting	ART 216: Intermedia Practices	ART 432: Neon Sculpture
ART 227: Watercolor	ART 217: Introduction to Computer Animation	ART 433: Foundry Casting Methods
ART 253: Introduction to Printmaking	ART 218: 3D Tools	ART 435: Foundry Research Methods
FSH 203: Fashion Illustration	ART 223: Painting	ART 436: Architectural Sculpture
	ART 227: Watercolor	ART 438: Moving and Interactive Systems in Sculpture
	ART 253: Introduction to Printmaking	ART 472: Advanced Jewelry and Surface Techniques
	ART 261: Ceramic Survey	ART 473: Advanced Metals and Mechanisms
	ART 272: Introduction to Metals and Jewelry	ART 474: Advanced Wood
	ART 274: Wood I	ART 494: Illumination Systems
	ART 276: Introduction to Textiles	
	FSH 202: Fashion Construction	
	FSH 203: Fashion Illustration	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map




### Art (Textiles), BFA




School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

FAARTFBFA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of first-year art majors only.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
 ART 112: 2-D Design	3	C	
 ART 115: 3-D Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 ART 111: Foundation Drawing OR ART 113: Color OR ART 276: Introduction to Textiles	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ART 111: Foundation Drawing OR ART 113: Color OR ART 276: Introduction to Textiles	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
2D Art Course	3	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ 3D Art Course	3	C	<ul style="list-style-type: none"> <li>• ARA 240: Encounters with Contemporary Art is required for BFA majors.</li> <li>• Gather documentation of your past works for your future portfolio.</li> <li>• Explore an <b>internship</b>.</li> </ul>
ARA 240: Encounters with Contemporary Art	3	C	
ART 376: Weaving and Dyeing OR ART 377: Textile Design	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ART 376: Weaving and Dyeing OR ART 377: Textile Design	3	C	<ul style="list-style-type: none"> <li>• ART 376 only offered in the Fall semester.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
2D or 3D Art Course	3	C	
Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			<ul style="list-style-type: none"> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> <li>• ARS Upper Division Elective cannot be ARS 300.</li> </ul>
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Complete 2 courses:			
Upper Division Textile Elective	6	C	
Upper Division Art History Modern Focus	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ARA 396: Professional Practices for Design and the Arts	3	C	<ul style="list-style-type: none"> <li>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.</li> <li>• Gather <b>professional references</b>.</li> </ul>
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Complete 2 courses:			
Upper Division Textile Elective	6	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	3	C	<ul style="list-style-type: none"> <li>• Art Elective course cannot be ARA 311, ARS 100 or ARS 300.</li> <li>• Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio.</li> </ul>
ARA OR ARE OR ARS OR ART OR FSH Elective	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Upper Division Textile Elective	3	C	
Term hours subtotal:	12		



- Students must complete 6 hours of upper division ARS coursework (not from ARS 300); must include one Asian/African/Native Am./Latin Am. Focus course and one 20th Century Focus course.

Hide Course List(s)/Track Group(s)

2D Art Course	3D Art Course	2D or 3D Art Course
ART 201: Photography I (HU)	ART 216: Intermedia Practices	ART 201: Photography I (HU)
ART 204: Photography II: Black and White	ART 217: Introduction to Computer Animation	ART 204: Photography II: Black and White
ART 205: Photography II: Color	ART 218: 3D Tools	ART 205: Photography II: Color
ART 211: Drawing	ART 231: Sculpture I	ART 211: Drawing
ART 214: Figure Drawing	ART 261: Ceramic Survey	ART 214: Figure Drawing
ART 223: Painting	ART 272: Introduction to Metals and Jewelry	ART 216: Intermedia Practices
ART 227: Watercolor	ART 274: Wood I	ART 217: Introduction to Computer Animation
ART 253: Introduction to Printmaking	FSH 202: Fashion Construction	ART 218: 3D Tools
FSH 203: Fashion Illustration		ART 223: Painting
		ART 227: Watercolor
		ART 231: Sculpture I
		ART 253: Introduction to Printmaking
		ART 261: Ceramic Survey
		ART 272: Introduction to Metals and Jewelry
		ART 274: Wood I
		FSH 202: Fashion Construction
		FSH 203: Fashion Illustration
Upper Division Textile Elective	Art History Asian/African/Native Am./Latin Am. Focus	Art History Modern Focus
ART 376: Weaving and Dyeing	ARS 362: Survey of Aztec, Maya and Inka Art (HU)	ARS 330: The Portrait (HU)
ART 377: Textile Design	ARS 369: Mexican Art (HU)	ARS 340: Art in America (HU & H)
ART 378: Digital Textiles	ARS 394: Anime	ARS 345: Art and Television
ART 476: Advanced Textile Construction	ARS 394: Egyptian Art and Culture	ARS 370: The Art of the Comic
ART 477: Printed Textiles	ARS 394: Islamic Art	ARS 394: Modern and Contemporary Chinese Art
ART 478: Advanced Surface to Form	ARS 394: Modern and Contemporary Chinese Art	ARS 435: The Pre-Raphaelites
ART 479: 3-D Fibers: Construction and Content	ARS 402: Art of Ancient Egypt (HU & H)	ARS 438: Art of the 20th Century I (HU & H)
ART 494: Special Topics	ARS 444: Films of India	ARS 439: Art of the 20th Century II (HU & H)
ART 499: Individualized Instruction		ARS 440: Identity and World Film (C)

ARS 465: Native Art of North America (HU & C & H)

ARS 443: Artists in Film: Artists' Biopics

ARS 472: Art of China (HU)

ARS 445: History of Animation

ARS 473: Art of Japan (HU)

ARS 485: Women in the Visual Arts (L)

ARS 475: Chinese Painting (HU)

ARS 494: Art of the Inka and their Ancestors

ARS 494: Global Textiles and Fashion

ARS 494: Histories of African Art and Visual Culture

ARS 494: Oceanic Art

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition


General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



2021 - 2022 Major Map  
 Arts (BA in the Arts), BA


School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAATSBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ARA 101: ASU: The Art Experience OR AME 101: ASU Digital Culture Experience OR DSC 100: ASU Design Experience OR HDA 101: ASU & Herberger Institute Experience OR THF 125: Orientation to Film, Dance and Theatre OR MUP 101: The ASU School of Music Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students; ARA 101, AME 101, DSC 100, THF 125 &amp; MUP 101 are typically only offered in Fall semesters; HDA 101 is typically only offered in Spring semesters.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HDA 210: Creativity and Innovation in Design and the Arts	3	C	
Arts Discipline and Practice Course	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>By the end of the semester, students will select 1 of 3 possible focus areas: Arts Administration, Entertainment Design, or an Individual Focus. Students interested in pursuing an Individual Focus should contact their academic advisor for assistance with submitting their proposal for approval.</li> </ul>
Arts Discipline and Practice Course	3	C	
Historical and Theoretical Arts Studies	3	C	
Computer/Statistics/Quantitative Applications (CS)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Arts Discipline and Practice Course	3	C	
Focus Area Course	3	C	
Historical and Theoretical Arts Studies with African / Asian / Latin American / Native American Focus AND Humanities, Arts and Design (HU)	3	C	
Literacy and Critical Inquiry (L)	3		

Natural Science - Quantitative (SQ) 4

◆ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
HDA 252: Foundations Arts and Design Entrepreneurship	3	C	• Create a first draft <b>resume</b> .
Arts Discipline and Practice Course	3	C	
Focus Area Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
◆ Complete Computer/Statistics/Quantitative Applications (CS) course(s).			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Focus Area Course	3	C	• Explore an <b>internship</b> ; after finding an internship, complete the <b>Internship Application</b> form request to receive course credit.
Fiscal or Statistical Literacy Elective	3	C	
Upper Division Arts Discipline and Practice Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HDA 397: Capstone Development	1	C	• Students are responsible for securing their own internship experience. Students must receive approval prior to working at the internship in order for the experience to apply as course credit. • Gather professional references and format the information as an <b>addendum to your resume</b> .
HDA 484: Internship	3	C	
Critical Thinking and Analysis Elective	3	C	
Upper Division Community Engaged Practices Elective	3	C	
Upper Division Focus Area Course	3	C	
Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Capstone: Thesis or Independent Research Project	3	C	• For the Upper Division Capstone, please consult with faculty mentor and academic advisor for appropriate course options. • Develop a website / portfolio to aid in applying for full-time careers.
Upper Division Focus Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Capstone: Thesis or Independent Research Project	3	C	

Upper Division Focus Area Course	3	C
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	12	

- For the Upper Division Capstone, please consult with faculty mentor and academic advisor for appropriate course options.

- Students will select 1 of 3 possible focus area tracks: Arts Administration, Entertainment Design, or an Individual Focus. Students interested in pursuing an Individual Focus should contact their academic advisor for assistance with submitting their proposal for approval.

#### Hide Course List(s)/Track Group(s)

Arts Discipline and Practice: Select 4 courses; 12 credits (at least 3 upper division)	Historical and Theoretical Arts Studies with African / Asian / Latin American / Native American Focus AND Humanities, Arts and Design (HU): Select 1 course; 3 credits	Historical and Theoretical Arts Studies: Select 1 course; 3 credits
ALA Elective		APH Elective
AME Elective	ALA 100: Introduction to Environmental Design (HU & H & G)	ALA 100: Introduction to Environmental Design (HU & H & G)
ARA Elective		
ART Elective	ALA 102: Landscapes and Sustainability (HU & G)	ALA 102: Landscapes and Sustainability (HU & G)
DCE Elective		
DSC Elective	APH 300: World Architecture I/Western Cultures (HU & H & G)	AME 310: Media Literacies and Composition
EDS Elective	APH 313: History of Architecture I ((L or HU) & G & H)	ARA 202: Understanding Photographs
FMP Elective		ARA 498: Photography and Language (L)
FSH Elective	APH 314: History of Architecture II ((L or HU) & G & H)	ARS Elective
GRA Elective	ARS 201: Art of Asia (HU & H & G)	DCE 201: Dance, Culture, and Global Contexts (HU)
IND Elective	ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	DCE 202: Dance in U.S. Popular Culture (HU & C)
INT Elective		DCE 300: Dancing Histories (HU)
MSC Elective	ARS 362: Survey of Aztec, Maya and Inka Art (HU)	DCE 301: Dance Analysis and Theory (L or HU)
MUP Elective	ARS 369: Mexican Art (HU)	
MUS Elective	ARS 465: Native Art of North America (HU & C & H)	DCE 302: History of American Hip Hop Dance
THE Elective		DCE 306: History of Salsa: Afro-Latin Social and Global Contexts (HU & C)
THF Elective	ARS 472: Art of China (HU)	DCE 402: Ethnography of Dance Practices (L)
THP Elective	ARS 473: Art of Japan (HU)	
	ARS 475: Chinese Painting (HU)	DSC 101: Design Awareness (HU & G)
	DCE 201: Dance, Culture, and Global Contexts (HU)	FMP 250: Sex and Violence in Film and TV: Ethics Survey
	DSC 101: Design Awareness (HU & G)	GRA 111: Graphic Design History I (HU)
	MHL 344: Music in World Cultures (HU & G)	GRA 112: Graphic Design History II
	THE 422: Latinx Theatre and Film (HU & C)	IND 316: 20th-Century Design I (HU & H)
		IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH Elective

MHL Elective

MUS 131: Bach to Bebop (HU)

MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H)

MUS 347: Jazz in America (HU & C)

MUS 354: Classic Rock: 1950-1975 (HU)

MUS 355: American Music (HU & C & H)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

MUS 371: World Music (HU & G)

MUS 410: History of Women in Music (HU & C & H)

THE 322: Theatre History and Culture (HU & H)

THE 422: Latinx Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

THE 430: History of Fashion I (HU)

THE 431: History of Fashion II: 20th-Century Fashion

Fiscal or Statistical Literacy Elective	Critical Thinking and Analysis Elective	Community Engaged Practices Elective
ACC 231: Uses of Accounting Information I	AME 130: Prototyping Dreams (L)	ART 442: Art and Community
ACC 232: Financial Accounting I	ARA 489: Writing Art and Design Criticism (L)	DCE 494: The Atlas of Creative Tools or THP 494: The Atlas of Creative Tools or HDA 494: The Atlas of Creative Tools
ACC 382: Accounting and Financial Analysis	ARS 345: Art and Television	DSC 494: Indigenous Architecture, Planning and Construction
ECN 211: Macroeconomic Principles (SB)	ART 110: Drawing as Seeing and Thinking (HU)	DSC 494: Indigenous Project Delivery
ECN 212: Microeconomic Principles (SB)	EDS 223: Design Thinking	EDS 301: Sustainable Community Design and Practices
ECN 221: Business Statistics (CS)	FMP 403: Independent Film (HU)	HDA 394: Design & Arts Corps
FIN 380: Personal Financial Management	FMP 405: Film Genres, Part 2 (HU)	
STP 226: Elements of Statistics (CS)		

MUS 213: Critical Thinking in the Arts (HU)

HDA 394: Disrupt, Create, Sustain

THE 421: Shakespeare: Stage and Film (L or HU)

HDA 494: Civ Prac: Artists&Designers Collaborating/Comm

HDA 494: Civic Body: Art and Public Health

HDA 494: Civic Practice:Arts/Design & Public Partnerships

HDA 494: Creative Facilitation: Collaboration, Imagination

HDA 494: Creative Project Management

HDA 494: Design & Arts Corps

NLM 410: Social Entrepreneurship

THP 482: Theatre for Social Change (C)

Arts Administration Focus (0 or 18 credits)

Students that select the Arts Administration Focus must complete 18 credits (at least 12 upper division credits) from this group.

MGT 380: Management and Strategy for Nonmajors AND MKT 390: Essentials of Marketing or MKT 395: Essentials of Advertising and Marketing Communication

Pick an additional four courses (12 more credits; at least 6 upper division credits):

ACC Elective

ARA 396: Professional Practices for Design and the Arts

ARA 460: Gallery Exhibitions

DSC 394: Design Entrepreneurship & Society

DSC 494: Practice Management

ECN Elective

ENT Elective

ENT 290: Entrepreneurship: Opportunity to Impact

FIN Elective

FMP 417: Business and Legal Practices in Entertainment

GRA 440: Finding Purpose

HDA 420: Design and the Arts Business Administration

INT 471: Facilities Management

MGT Elective

Entertainment Design Focus (0 or 18 credits)

Students that select the Entertainment Design Focus must complete 18 credits (at least 12 upper division credits) from this group.

AME 111: Introduction to Digital Culture (CS)

AME 112: Computational Thinking for Digital Culture

AME 130: Prototyping Dreams (L)

AME 230: Programming for the Media Arts (CS)

AME 320: Motion Capture for Integrative Systems

AME 340: Compositional and Computational Principles for Media Arts

AME 411: Advanced Interactive Sound

AME 470: Programming for Social and Interactive Media

ARA 460: Gallery Exhibitions

ART 110: Drawing as Seeing and Thinking (HU)

ART 116: Introduction to Digital Media

ART 201: Photography I (HU)

ART 217: Introduction to Computer Animation

ART 261: Ceramic Survey

ART 274: Wood I

ART 346: 3-D Computer Imaging and Animation (CS)

Individual Focus (0 or 18 Credits)

Students that are interested in the Individual Focus will need to work with an Academic Advisor and Faculty member to submit a proposal. Focus area courses are approved through submission of the proposal.

MGT 400: Cross-Cultural Management (C & G)	ART 348: Animation Motion Studies
MKT Elective	DCE 100: Introduction to Dance (HU)
MUP 438: The Enterprising Musician	DCE 203: The Walking Body (HU)
MUP 439: Music Product Creation and Development	DCE 240: Media for Dance (CS)
NLM Elective	EDS 223: Design Thinking
NLM 220: Introduction to Nonprofit Organizations	FSH 435: Contemporary Fashion (L or HU)
NLM 235: Leadership and Ethics	FMP 201: Film: The Creative Process I (HU)
NLM 300: Fund Raising and Resource Development	FMP 225: Introduction to Visual Effects
NLM 310: Volunteer Management	FMP 240: Introduction to Animation for Film
NLM 410: Social Entrepreneurship	FMP 255: Media Authorship (CS)
NLM 430: Managing Nonprofit Organizations (L)	FMP 280: Introduction to Film and Media Production
NLM 435: Service Learning for Community Development	FMP 325: Guerilla VFX
NLM 451: Grant Writing	GRA 101: Designing Life
OGL Elective	GRA 401: Creative Environment
PAF 300: Public Management and Administration	HDA 420: Design and the Arts Business Administration
THP 251: Student Production Board I	IAP 104: Foundations I: Fundamentals of Sound Art
THP 351: Arts Management	IAP 321: Music Composition I
THP 450: Theatre Organization and Management	IAP 322: Multitrack Digital Recording
THP 451: Student Production Board II	IAP 325: Sound Performance: Exploring Alternative Performance Groups
	IND 242: Materials and Design
	IND 344: Human Factors in Design
	INT 351: Ambient Environment
	INT 446: Furniture Design and Production
	MDC 211: Introduction to Digital Sound
	MDC 311: Composing and Performing for Hybrid Ensembles
	MUP 319: Advanced Audio Engineering in the Arts
	MUS 100: Fundamentals of Music Notation
	MUS 210: The Arts Around Us (HU)
	MUS 211: Dance, Music and Meaning (HU)
	MUS 212: Music, Meaning and Imagination (HU)
	MUS 294: Music and Society



MUS 294: Producing Hip Hop and Dance  
Music I

MUS 294: Songwriting

MUS 355: American Music (HU & C & H)

MUS 362: Rap Music and Hip Hop Culture  
(HU & C)

MUS 371: World Music (HU & G)

THF 101: Acting Introduction

THF 215: Design and Composition for  
Theatre and Film (HU)

THP 201: Theatre Production Crew

THP 213: Introduction to Technical Theatre

THP 214: Introduction to Costuming

THP 317: Stage Management

THP 330: Costume Design

THP 332: Makeup

THP 335: Advanced Stagecraft

THP 340: Scene Design

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 394: Pattern Drafting for Theatre

THP 431: Advanced Costume Construction

THP 435: Technical Direction

THP 440: Advanced Scene Design

THP 441: Scene Painting

THP 442: Rendering for Design and  
Production

THP 344: Drafting

THP 445: Advanced Lighting Design

THP 455: Advanced Media Design

THP 494: Art Direction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map







### Dance, BFA



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FADANBFA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 132: Dance Techniques	2	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Dance majors take DCE 170 to complete this requirement.</li> <li>One Personal Movement Practices course (DCE 133, 134, 135,136 or 139) is required this term.</li> <li>Join an organization and/or participate in an off-campus performance project.</li> </ul>
 DCE 160: Creative Practice I	3	C	
 DCE 170: First-Year Seminar I	1	C	
Lower Division Personal Movement Practice	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
 Milestone: School of Dance students must successfully complete an entrance interview into the major before enrolling at ASU.			
Term hours subtotal:	14		

Term 2 14 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 132: Dance Techniques	2	C	<ul style="list-style-type: none"> <li>One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course (DCE 133, 134, 135,136 or 139) in this term for general elective credit if their schedule allows.</li> </ul>
 DCE 161: Creative Practice II	3	C	
 DCE 205: How Dance Matters: A Sociocultural Framing (C)	3	C	
 THF 126: School of Film, Dance and Theatre: First-Year Experience	2	C	
Lower Division Personal Movement Practice	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 29 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 260: Second-Year Creative Practices I	3	C	<ul style="list-style-type: none"> <li>Two Personal Movement Practices courses are required this term.</li> <li>Advancement in Personal Movement Practices is determined by instructor.</li> </ul>
DCE 226: Musical and Kinesthetic Communication in Dance	2	C	
DCE 240: Media for Dance (CS)	3	C	
Complete 2 courses: Lower Division Personal Movement Practice	4	C	

Natural Science - Quantitative (SQ) 4

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

- Establish **career interests**, develop soft skills, **build a resume** and research **internship** opportunities.

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ DCE 236: Somatic Practices II OR DCE 336: Somatic Practices III	2-3	C	<ul style="list-style-type: none"> <li>• Two Personal Movement Practice courses are required this term.</li> <li>• Advancement in Personal Movement Practices is determined by instructor.</li> </ul>
❖ DCE 261: Second-Year Creative Practices II	3	C	
❖ DCE 354: Creative Approaches to Teaching Dance I	3	C	
Complete 2 courses:	4	C	
Lower Division Personal Movement Practice			
Literacy and Critical Inquiry (L) ( DCE 204 recommended)	3		
Term hours subtotal:	15-16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ DCE 360: Third-Year Creative Practices I	3	C	<ul style="list-style-type: none"> <li>• Begin career/degree alignment. Engage in community partnerships or projects.</li> </ul>
DCE 233: Hip Hop II OR DCE 234: Postmodern Contemporary II OR DCE 235: Contemporary Ballet II OR DCE 239: Afro-Latin Movement Practices II OR DCE 333: Hip Hop III OR DCE 334: Postmodern Contemporary III OR DCE 335: Contemporary Ballet III OR DCE 339: Afro-Latin Movement Practices III	2-3	C	
DCE 300: Dancing Histories (HU) OR DCE 302: History of American Hip Hop Dance OR DCE 306: History of Salsa: Afro-Latin Social and Global Contexts (C)	3	C	
DCE 356: Creative Approaches to Teaching Dance II	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15-16		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ DCE 361: Third-Year Creative Practices II	3	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Advancement in Personal Movement Practices is determined by instructor.</li> </ul>
DCE 301: Dance Analysis and Theory (L or HU) OR DCE 402: Ethnography of Dance Practices (L) OR DCE 404: Dance and Ethics (L)	3	C	
Upper Division Personal Movement Practice	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ DCE 460: Transition Project I	3	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Advancement in Personal Movement Practices is determined by instructor.</li> </ul>
DCE 303: The Body Condition(ed) (SB) OR DCE 403: Making. Living. Thriving Through the Arts (HU) OR DCE 405: Writing the Creating Body (L or HU)	3	C	
Upper Division Personal Movement Practice	3	C	
Upper Division Elective OR DCE 484: Internship	3		
Term hours subtotal:	15		

Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

- Start **networking** professionally.

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DCE 461: Transition Project II	3	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Advancement in Personal Movement Practices is determined by instructor.</li> </ul>
DCE course (HU) Upper Division	3	C	
Upper Division Personal Movement Practice	3	C	
Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Lower Division Personal Movement Practices	Upper Division Personal Movement Practices
DCE 133: Hip Hop I	DCE 333: Hip Hop III
DCE 134: Postmodern Contemporary I	DCE 334: Postmodern Contemporary III
DCE 135: Contemporary Ballet I	DCE 335: Contemporary Ballet III
DCE 136: Somatic Practices I	DCE 336: Somatic Practices III
DCE 139: Afro-Latin Movement Practices I	DCE 338: Hip Hop Ensemble
DCE 233: Hip Hop II	DCE 339: Afro-Latin Movement Practices III
DCE 234: Postmodern Contemporary II	
DCE 235: Contemporary Ballet II	
DCE 236: Somatic Practices II	
DCE 239: Afro-Latin Movement Practices II	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.















## 2021 - 2022 Major Map

### Dance (Dance Education), BFA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FADANEBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 132: Dance Techniques	2	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Dance majors complete DCE 170 to fulfill this requirement.</li> <li>One Personal Movement Practices course (DCE 133, 134, 135,136 or 139) is required this term.</li> <li>Join an organization and/or participate in an off-campus performance project.</li> </ul>
 DCE 160: Creative Practice I	3	C	
 DCE 170: First-Year Seminar I	1	C	
Lower Division Personal Movement Practice	2	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
 Milestone: School of Dance students must successfully complete an entrance interview into the major before enrolling at ASU.			
Term hours subtotal:	14		
Term 2 14 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 132: Dance Techniques	2	C	<ul style="list-style-type: none"> <li>One Personal Movement Practices course (DCE 133, 134, 135,136 or 139) is required this term.</li> <li>Advancement in Personal Movement Practice courses is determined by instructor.</li> </ul>
 DCE 161: Creative Practice II	3	C	
 DCE 205: How Dance Matters: A Sociocultural Framing (C)	3	C	
THF 126: School of Film, Dance and Theatre: First-Year Experience	2	C	
Lower Division Personal Movement Practice	2	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 29 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 226: Musical and Kinesthetic Communication in Dance	2	C	<ul style="list-style-type: none"> <li>One Personal Movement Practices course (DCE 133, 134, 135,136 or 139) is required this term.</li> <li>Advancement in Personal Movement Practice courses is determined by instructor.</li> </ul>
 DCE 260: Second-Year Creative Practices I	3	C	
 DCE 270: Second-Year Seminar I	1	C	
DCE 201: Dance, Culture, and Global Contexts (HU)	3	C	

DCE 240: Media for Dance (CS)	3	C
Lower Division Personal Movement Practice	2	C
❖ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Term hours subtotal:	14	

- Establish **career interests**, develop soft skills, **build a resume** and research **internship opportunities**.
- Apply for Identity Verified Print (IVP) fingerprint clearance card through DPS website: <https://www.azdps.gov/services/public/fingerprint>  
You will need the card to be in the classroom with K-12th grade students, prior to starting your first internship.

Term 4 43 - 59 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ DCE 204: Dance, Health and Wellness	3	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course (DCE 133, 134, 135,136 or 139) is required this term.</li> <li>• Advancement in Personal Movement Practice courses is determined by instructor.</li> <li>• GCU 113 satisfies the US and AZ constitution requirement needed for teaching in Arizona.</li> <li>• Prior to enrollment in Term 5 courses, you must meet with your advisor and submit an "Intent to Progress" form that notifies Teachers College you are ready to enroll in your first internship. You will upload a copy of your IVP Finger Print Card with this form, required by state law. Teachers College will then invite you to attend their mandatory Professional Pathways Orientation.</li> </ul>
❖ DCE 261: Second-Year Creative Practices II	3	C	
❖ DCE 354: Creative Approaches to Teaching Dance I	3	C	
DCE 236: Somatic Practices II	2	C	
Lower Division Personal Movement Practice	2	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H) OR GCU 113: United States and Arizona Social Studies (SB & H)	3		
❖ Complete DCE 201 course.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 59 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ DCE 357: Teaching Internship	1	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> <li>• Begin first dance education internship.</li> <li>• Career/degree alignment. Engage in a community partnership or project.</li> </ul>
★ DCE 360: Third-Year Creative Practices I	3	C	
DCE 300: Dancing Histories (HU)	3	C	
DCE 356: Creative Approaches to Teaching Dance II	3	C	
Upper Division Personal Movement Practice	3	C	
Natural Science - Quantitative (SQ)	4		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.</li> </ul>
★ DCE 357: Teaching Internship	1	C	
DCE 336: Somatic Practices III	3	C	
DCE 361: Third-Year Creative Practices II	3	C	
DCE course (L) Upper Division	3	C	
Upper Division Personal Movement Practice	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

		<b>Minimum</b>	
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Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ EDP 313: Childhood and Adolescence (SB)	3	C	<ul style="list-style-type: none"> <li>• Students may want to include a Personal Movement Practices course.</li> <li>• Start <b>networking</b> professionally.</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>• Your student teaching residency requires a full-time commitment in a K-12th grade classroom for the semester.</li> <li>• Students seeking teacher certification must pass required educator exams. Please speak with your advisor to plan appropriately.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Lower Division Personal Movement Practices	Upper Division Personal Movement Practices
DCE 133: Hip Hop I	DCE 333: Hip Hop III
DCE 134: Postmodern Contemporary I	DCE 334: Postmodern Contemporary III
DCE 135: Contemporary Ballet I	DCE 335: Contemporary Ballet III
DCE 136: Somatic Practices I	DCE 336: Somatic Practices III
DCE 139: Afro-Latin Movement Practices I	DCE 338: Hip Hop Ensemble
DCE 233: Hip Hop II	DCE 339: Afro-Latin Movement Practices III
DCE 234: Postmodern Contemporary II	
DCE 235: Contemporary Ballet II	
DCE 236: Somatic Practices II	
DCE 239: Afro-Latin Movement Practices II	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

Total Hours: 120

General University Requirements Legend

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Digital Culture, BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCBBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>	
AME 101: ASU Digital Culture Experience	1	C		
Complete 2 courses:				
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 210: Brief Calculus (MA)	3	C		
 Maintain 3.00 GPA in Digital Culture coursework.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>	
Lower Division Digital Culture Flexible Elective	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
Elective	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Milestone: GPA First-Year Review				
Term hours subtotal:	15			
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade		Notes
 Digital Media OR Digital Culture Studies Course	3	C	<ul style="list-style-type: none"> <li>Digital Media - Arts &amp; Design Courses are classes that include digital media projects</li> </ul>	
Lower Division Digital Culture Studies Course	3	C		

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4
Social-Behavioral Sciences (SB)	3
❖ Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Complete MAT 210 course(s).	
Term hours subtotal:	16

within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.

- Build your **skills**.

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ Complete 2 courses:		
Digital Media OR Digital Culture Studies Course	6	C
Lower Division History/Theory Course	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Elective	3	
Term hours subtotal:	15	

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Digital Culture Studies Course	3	C
Complete 2 courses:		
Upper Division Digital Media OR AME Upper Division Elective	6	C
Upper Division History/Theory Course	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	16	

- Build a digital portfolio.

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Digital Culture Studies Course	3	C
Upper Division Digital Culture Studies Course OR Upper Division Related Digital Culture Course	3	C
Complete 2 courses:		
Upper Division Digital Media OR AME Upper Division Elective	6	C
Upper Division Literacy and Critical Inquiry (L)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.
- Explore an **internship**. Any internship approved for AME 484 Internship credit will automatically fulfill AME 486 Capstone II.

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ AME 485: Digital Culture Capstone I	3	C
Upper Division Digital Media OR AME Upper Division Elective	3	C
Media Engineering Course	3	C
Elective OR AME 484: Internship	3	
Elective	3	
Term hours subtotal:	15	

- All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.
- Gather **professional references**.

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ AME 486: Digital Culture Capstone II	3	C
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Complete 2 courses:	6	C
Upper Division Digital Media OR AME Upper Division Elective		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	12	

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 360: Designing Mixed-Reality Experiences	ART 440: Experimental Video Art
	AME 394: Computational Photography	ART 494: Documentary Video Art
	AME 394: Special Topics	ART 494: Visual Prototyping
	AME 394: Technical Lives	CIS 300: Web Design and Development
	AME 411: Advanced Interactive Sound	CPI 111: Game Development I (CS)
	AME 430: Mac Development for Media Arts	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
	AME 435: Mobile Development	EDT 440: Creating and Marketing Mobile Apps
	AME 444: Media Installations	FMP 225: Introduction to Visual Effects
	AME 470: Programming for Social and Interactive Media	FMP 240: Introduction to Animation for Film
	AME 494: Animating Virtual Worlds	FMP 255: Media Authorship (CS)
	AME 494: Special Topics	FMP 294: Sound Design: From Hollywood to Independent Film
	ART 116: Introduction to Digital Media	FMP 394: Non-Linear Editing for Film and Media
	ART 218: 3D Tools	GIT 135: Graphic Communications
	ART 378: Digital Textiles	GIT 215: Introduction to Web Authoring
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	GIT 230: Digital Illustration in Publishing

FSH 394: Fashion Design & Wearable Technology

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MDC 411: Advanced Interactive Sound

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

History/Theory Course List	Media Engineering Course List	Related Digital Culture Course List
ALA 100: Introduction to Environmental Design (HU & H & G)	AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective
ALA 102: Landscapes and Sustainability (HU & G)	AME 430: Mac Development for Media Arts	
APH 300: World Architecture I/Western Cultures (HU & H & G)	AME 435: Mobile Development	
APH 313: History of Architecture I ((L or HU) & G & H)	AME 470: Programming for Social and Interactive Media	
APH 314: History of Architecture II ((L or HU) & G & H)	AME 494: Animating Virtual Worlds	
ARA 202: Understanding Photographs	EEE 307: Signal Processing for Digital Culture	
ARS 102: Art from Renaissance to Modernism (HU & H)		
ARS 345: Art and Television		
ARS 394: Anime		
ARS 438: Art of the 20th Century I (HU & H)		
ARS 439: Art of the 20th Century II (HU & H)		
DCE 300: Dancing Histories (HU)		
DSC 101: Design Awareness (HU & G)		
FMP 294: History of Film & Television Production		
FMP 403: Independent Film (HU)		
FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)		

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LAP 311: History of Landscape Architecture (HU & H)

LAP 312: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map

### Digital Culture, BA

School/College: [Herberger Institute for Design and the Arts](#)

Location: [Online, ASU Local@Los Angeles](#)

HIDGCBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
MAT 210: Brief Calculus (MA)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		

❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

❖ Milestone: GPA First-Year Review

Complete First-Year Composition requirement.

Term hours subtotal: 6

Term 3 - A 25 - 31 Credit Hours	Hours	Minimum Grade	Notes
Lower Division Digital Culture Flexible Elective	3	C	• Build your skills.
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Term 3 - B 31 - 37 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ Digital Media Course OR Digital Culture Studies Course	3	C	• Digital Media Courses are classes that include digital media projects within a trans-disciplinary area of study. See course list below, or talk to your advisor for specific course options.
Elective	3		
❖ Complete Mathematics (MA) requirement.			
Complete MAT 210 course(s).			
Term hours subtotal:	6		

Term 4 - A 37 - 43 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ Digital Media Course OR Digital Culture Studies Course	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 4 - B 43 - 49 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ Digital Media Course OR Digital Culture Studies Course	3	C	
Lower Division Digital Culture Studies Course	3	C	
❖ Maintain 3.00 GPA in Digital Culture coursework.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 5 - A 49 - 56 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4		• Build a digital portfolio.
Elective	3		
Term hours subtotal:	7		

Term 5 - B 56 - 62 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies Course	3	C	
Lower Division History/Theory Course	3	C	
Term hours subtotal:	6		

Term 6 - A 62 - 69 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		• Explore an internship. Any internship approved for AME 484 Internship credit will automatically fulfill AME 486 Capstone II.
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Digital Media Course OR AME Upper Division Elective	3	C	
Upper Division History/Theory Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies Course	3	C	
Upper Division Digital Media Course OR AME Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Digital Culture Studies Course OR Upper Division Related Digital Culture Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses:			
★ Upper Division Digital Media Course OR AME Upper Division Elective	6	C	
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Digital Media Course OR AME Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>Gather professional references.</li> </ul>
Upper Division Digital Media Course OR AME Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Media Engineering Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by	Minimum	Notes

★	Hours	Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Media Course OR AME Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective OR AME 484: Internship	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 360: Designing Mixed-Reality Experiences	ART 217: Introduction to Computer Animation
	AME 394: Computational Photography	ART 394: Digital Photography for Non-Majors
	AME 394: Special Topics	ART 494: Documentary Video Art
	AME 394: Technical Lives	ART 494: Visual Prototyping
	AME 494: Animating Virtual Worlds	CIS 300: Web Design and Development
		FMP 294: Sound Design: From Hollywood to Independent Film
		GIT 135: Graphic Communications
		GIT 215: Introduction to Web Authoring
		GIT 230: Digital Illustration in Publishing
		IAP 103: Foundations I: Interdisciplinary Art Practice
		IAP 361: Digital Editing and Media Literacy (CS)
		IAP 364: Documentaries
		IAP 394: Motion Graphics & Animation
		IAP 462: Games and Play
History/Theory Course List	Media Engineering Course List	Related Digital Culture Course List
ALA 100: Introduction to Environmental Design (HU & H & G)	AME 494: Animating Virtual Worlds	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective
ARS 345: Art and Television		
ARS 394: Anime		
ARS 438: Art of the 20th Century I (HU & H)		

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DSC 101: Design Awareness (HU & G)

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FMP 294: History of Film & Television  
Production

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FMP 405: Film and Television: Pioneers,  
Practices and Innovations (HU)

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GRA 111: Graphic Design History I (HU)

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GRA 112: Graphic Design History II

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IAP 305: 20th and 21st Century Art,  
Performance, and Media (L or HU)

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MUS 347: Jazz in America (HU & C)

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MUS 354: Popular Music (HU)

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MUS 356: Broadway and the American  
Musical (HU)

---

MUS 362: Rap Music and Hip Hop Culture  
(HU & C)

---

STS 303: History of Science and Technology  
(H)

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THE 322: Theatre History and Culture (HU &  
H)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Digital Culture (Art), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital culture students complete AME 101 to fulfill this requirement.</li> </ul>	
AME 101: ASU Digital Culture Experience	1	C		
<i>Complete 2 courses:</i>				
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 210: Brief Calculus (MA)	3	C		
 Maintain 3.00 GPA in Digital Culture coursework.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>	
ARS 102: Art from Renaissance to Modernism (HU & H) OR ARS 250: History of Photography (HU)	3	C		
Lower Division Digital Culture Flexible Elective	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Milestone: GPA First-Year Review				
Term hours subtotal:	15			
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 Digital Media OR Digital Culture Studies	3	C		

ART 111: Foundation Drawing OR ART 112: 2-D Design OR ART 113: Color	3	C
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Elective	3	
♦ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Complete MAT 210 course.		
Term hours subtotal:	16	

- Digital Media courses are classes that include digital media projects within a trans-disciplinary area of study. See course list below or talk to your advisor for specific course options.
- Build your **skills**.

Term 4 47 - 63 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ Digital Media OR Digital Culture Studies	3	C	
ART 216: Contemporary Art in Practice: Methods, Making, Meaning	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
History/Theory Course	3	C	
Elective OR AME 484: Internship	3		
Term hours subtotal:	15		

- Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.
- Build a digital portfolio.

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division History/Theory Course	3	C	
Upper Division Studio Art	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- Explore an **internship**.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	
Upper Division Art History	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture Course OR Upper Division Digital Media	3	C	

- All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.
- Gather **professional references**.



Upper Division Humanities, Arts and Design (HU) OR Upper  
Division Social-Behavioral Sciences (SB) 3

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Art Concentration Course	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Media Engineering	3	C	
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 394: Special Topics	ART 440: Experimental Video Art
	AME 411: Advanced Interactive Sound	ART 494: Documentary Video Art
	AME 430: Mac Development for Media Arts	ART 494: Visual Prototyping
	AME 435: Mobile Development	CIS 300: Web Design and Development
	AME 444: Media Installations	CPI 111: Game Development I (CS)
	AME 470: Programming for Social and Interactive Media	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
	AME 494: Special Topics	EDT 440: Creating and Marketing Mobile Apps
	ART 116: Introduction to Digital Media	FMP 225: Introduction to Visual Effects
	ART 218: 3D Tools	FMP 240: Introduction to Animation for Film
	ART 378: Digital Textiles	FMP 255: Media Authorship (CS)
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	FMP 294: Sound Design: From Hollywood to Independent Film

FSH 394: Fashion Design & Wearable Technology

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MDC 411: Advanced Interactive Sound

FMP 394: Non-Linear Editing for Film and Media

GIT 135: Graphic Communications

GIT 215: Introduction to Web Authoring

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

History/Theory Course List	Media Engineering Course List	Related Digital Culture Course List
ALA 100: Introduction to Environmental Design (HU & H & G)	AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective
ALA 102: Landscapes and Sustainability (HU & G)	AME 430: Mac Development for Media Arts	
APH 300: World Architecture I/Western Cultures (HU & H & G)	AME 435: Mobile Development	
APH 313: History of Architecture I ((L or HU) & G & H)	AME 470: Programming for Social and Interactive Media	
APH 314: History of Architecture II ((L or HU) & G & H)	EEE 307: Signal Processing for Digital Culture	
ARA 202: Understanding Photographs		
ARS 102: Art from Renaissance to Modernism (HU & H)		
ARS 345: Art and Television		
ARS 394: Anime		
ARS 438: Art of the 20th Century I (HU & H)		
ARS 439: Art of the 20th Century II (HU & H)		
DCE 300: Dancing Histories (HU)		
DSC 101: Design Awareness (HU & G)		
FMP 294: History of Film & Television Production		

FMP 403: Independent Film (HU)

FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LAP 311: History of Landscape Architecture (HU & H)

LAP 312: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

Upper Division Studio Art Course List	Upper Division Art Concentration Course List	Upper Division Art History Course List
ART 308: 2D Digital Animation	ARS 345: Art and Television	ARS 345: Art and Television
ART 312: Illustration	ARS 394: Anime	ARS 394: Anime
ART 346: 3-D Computer Imaging and Animation (CS)	ARS 438: Art of the 20th Century I (HU & H)	ARS 438: Art of the 20th Century I (HU & H)
ART 348: Animation Motion Studies	ARS 439: Art of the 20th Century II (HU & H)	ARS 439: Art of the 20th Century II (HU & H)
ART 394: Digital Photography for Non-Majors	ARS 456: Introduction to Museums	ARS 456: Introduction to Museums
ART 424: Stop Motion Animation	ART 308: 2D Digital Animation	

ART 439: Intermedia Studio	ART 312: Illustration
ART 440: Experimental Video Art	ART 346: 3-D Computer Imaging and Animation (CS)
ART 442: Art and Community	ART 348: Animation Motion Studies
ART 445: Digital Processes for Printmaking	ART 394: Digital Photography for Non-Majors
ART 494: Documentary Video Art	ART 424: Stop Motion Animation
ART 494: Visual Prototyping	ART 439: Intermedia Studio
ART 494: Women/Art/Technology	ART 440: Experimental Video Art
	ART 442: Art and Community
	ART 445: Digital Processes for Printmaking
	ART 494: Documentary Video Art
	ART 494: Visual Prototyping
	ART 494: Women/Art/Technology

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 3.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Digital Culture (Design), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCDBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
Complete 2 courses:			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Lower Division Design Concentration	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	
 Digital Media OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Digital Media courses are classes that include digital media projects within a</li> </ul>
Lower Division Design Concentration	3	C	

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4
Social-Behavioral Sciences (SB)	3
❖ Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Complete MAT 210 course.	
Term hours subtotal:	16

trans-disciplinary area of study. See course list or talk to your advisor for specific course options.

- Build your **skills**.

Term 4 47 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ Digital Media OR Digital Culture Studies	3	C
Lower Division Design Concentration	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Elective	3	
Term hours subtotal:	16	

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Digital Culture Studies	3	C
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C
History/Theory Course	3	C
Elective OR AME 484: Internship	3	
Term hours subtotal:	15	

- Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.
- Build a digital portfolio.

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Digital Culture Studies	3	C
Upper Division Design Concentration	3	C
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C
Upper Division History/Theory Course	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Explore an **internship**.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ AME 485: Digital Culture Capstone I	3	C
Upper Division Design Concentration	3	C
Upper Division Digital Culture Studies	3	C
Upper Division Related Digital Culture Course OR Upper Division Digital Media Course	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	

- All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.
- Gather **professional references**.

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Design Concentration	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Media Engineering Course	3	C	
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 394: Special Topics	ART 440: Experimental Video Art
	AME 411: Advanced Interactive Sound	ART 494: Documentary Video Art
	AME 430: Mac Development for Media Arts	ART 494: Visual Prototyping
	AME 435: Mobile Development	CIS 300: Web Design and Development
	AME 444: Media Installations	CPI 111: Game Development I (CS)
	AME 470: Programming for Social and Interactive Media	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
	AME 494: Special Topics	EDT 440: Creating and Marketing Mobile Apps
	ART 116: Introduction to Digital Media	FMP 225: Introduction to Visual Effects
	ART 218: 3D Tools	FMP 240: Introduction to Animation for Film
	ART 378: Digital Textiles	FMP 255: Media Authorship (CS)
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	FMP 294: Sound Design: From Hollywood to Independent Film
	FSH 394: Fashion Design & Wearable Technology	FMP 394: Non-Linear Editing for Film and Media

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MDC 411: Advanced Interactive Sound

GIT 135: Graphic Communications

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

History/Theory Course List	Media Engineering Course List	Related Digital Culture Course List
ALA 100: Introduction to Environmental Design (HU & H & G)	AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective
ALA 102: Landscapes and Sustainability (HU & G)	AME 430: Mac Development for Media Arts	
APH 300: World Architecture I/Western Cultures (HU & H & G)	AME 435: Mobile Development	
APH 313: History of Architecture I ((L or HU) & G & H)	AME 470: Programming for Social and Interactive Media	
APH 314: History of Architecture II ((L or HU) & G & H)	EEE 307: Signal Processing for Digital Culture	
ARA 202: Understanding Photographs		
ARS 102: Art from Renaissance to Modernism (HU & H)		
ARS 345: Art and Television		
ARS 394: Anime		
ARS 438: Art of the 20th Century I (HU & H)		
ARS 439: Art of the 20th Century II (HU & H)		
DCE 300: Dancing Histories (HU)		
DSC 101: Design Awareness (HU & G)		
FMP 294: History of Film & Television Production		



FMP 403: Independent Film (HU)

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FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)

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GRA 111: Graphic Design History I (HU)

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GRA 112: Graphic Design History II

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IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)

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IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

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IND 316: 20th-Century Design I (HU & H)

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IND 317: 20th-Century Design II (HU & H)

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INT 111: Interior Design Issues and Theories (HU)

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INT 310: History of Interior Design I (HU & H)

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INT 311: History of Interior Design II (HU & H)

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LAP 311: History of Landscape Architecture (HU & H)

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LAP 312: 20th-Century Landscape Architecture (HU)

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MUS 347: Jazz in America (HU & C)

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MUS 354: Popular Music (HU)

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MUS 356: Broadway and the American Musical (HU)

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MUS 362: Rap Music and Hip Hop Culture (HU & C)

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STS 303: History of Science and Technology (H)

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THE 320: History of the Theatre I (HU & H)

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THE 322: Theatre History and Culture (HU & H)

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Lower Division Design Concentration	Upper Division Design Concentration
ALA OR APH OR DSC OR EDS OR GRA OR IND OR INT OR LAP OR LPH Lower Division Elective	APH OR DSC OR EDS OR GRA OR IND OR INT OR LAP OR LPH Upper Division Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Digital Culture (English), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCENBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>	
AME 101: ASU Digital Culture Experience	1	C		
Complete 2 courses:				
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 210: Brief Calculus (MA)	3	C		
 Maintain 3.00 GPA in Digital Culture coursework.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>	
Lower Division Digital Culture Flexible Elective	3	C		
Lower Division Digital Culture Studies	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Milestone: GPA First-Year Review				
Term hours subtotal:	15			
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade		Notes
ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>Build your <b>skills</b>.</li> </ul>	
Lower Division English Concentration Electives Category I	3	C		

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4
Social-Behavioral Sciences (SB)	3
Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Complete MAT 210 course.	
Term hours subtotal:	16

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b>	Hours	Minimum Grade	Notes
Digital Media OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Digital Media courses are classes that include digital media projects within a trans-disciplinary area of study. See course list below or talk to your advisor for specific course options.</li> </ul>
<i>Complete 2 courses:</i>			
Lower Division English Concentration Electives Category I	6	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Build a digital portfolio.</li> </ul>
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
<i>Complete 2 courses:</i>			
Upper Division English Concentration Electives Category II	6	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>.</li> </ul>
ENG 400: History of Literary Criticism (L or HU) OR ENG 401: Topics in Critical Theory OR ENG 472: Rhetorical Studies (L)	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division English Concentration Electives Category III	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Digital Culture Studies OR Upper Division Media Engineering Course	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division English Concentration Electives Category III	3	C	
Elective OR AME 484: Internship	3		

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division English Concentration Electives Category III	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 394: Special Topics	ART 440: Experimental Video Art
	AME 411: Advanced Interactive Sound	ART 494: Documentary Video Art
	AME 430: Mac Development for Media Arts	ART 494: Visual Prototyping
	AME 435: Mobile Development	CIS 300: Web Design and Development
	AME 444: Media Installations	CPI 111: Game Development I (CS)
	AME 470: Programming for Social and Interactive Media	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
	AME 494: Special Topics	EDT 440: Creating and Marketing Mobile Apps
	ART 116: Introduction to Digital Media	FMP 225: Introduction to Visual Effects
	ART 218: 3D Tools	FMP 240: Introduction to Animation for Film
	ART 378: Digital Textiles	FMP 255: Media Authorship (CS)
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	FMP 294: Sound Design: From Hollywood to Independent Film

FSH 394: Fashion Design & Wearable Technology

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MDC 411: Advanced Interactive Sound

FMP 394: Non-Linear Editing for Film and Media

GIT 135: Graphic Communications

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

Media Engineering Course List	English Concentration Electives Category I: Select 3 courses; 9 credits	English Concentration Electives Category II: Select 2 courses; 6 credits
AME 410: Interactive Materials		
AME 430: Mac Development for Media Arts	ENG 205: Introduction to Writing, Rhetorics and Literacies (L)	ENG 312: English in its Social Setting (L or HU or SB)
AME 435: Mobile Development	ENG 210: Introduction to Creative Writing	ENG 314: Modern Grammar
AME 470: Programming for Social and Interactive Media	ENG 213: Introduction to the Study of Language	ENG 403: Semantics
EEE 307: Signal Processing for Digital Culture	FMS 200: Film and Media History ((L or HU) & H)	ENG 447: Experimental Narrative (HU)
		FMS 351: Emerging Digital Media
English Concentration Electives Category III: Select 3 courses; 9 credits		
FMS Upper Division Elective		
Upper Division ENG Literature class		
Upper Division ENG Writing, Rhetorics, and/or Literacies class		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Digital Culture (Film), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCFBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FMP 201: Film: The Creative Process I (HU)	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	
FMP 280: Introduction to Film and Media Production	2	C	<ul style="list-style-type: none"> <li>Digital Media courses are classes that include digital media projects within a</li> </ul>
Digital Media OR Digital Culture Studies	3	C	



Global Awareness (G)	3
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4
Social-Behavioral Sciences (SB)	3
Elective	1
◆ Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Complete MAT 210 course.	
Term hours subtotal:	16

trans-disciplinary area of study. See course list below or talk to your advisor for specific course options.

- Build your skills.

Term 4 47 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ Digital Media OR Digital Culture Studies	3	C	
History/Theory Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.</li> <li>• Build a digital portfolio.</li> </ul>
Film Concentration	3	C	
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>• Explore an internship.</li> </ul>
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division Film Concentration	3	C	
Upper Division History/Theory Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.</li> <li>• Gather professional references.</li> </ul>
Upper Division Digital Culture Studies	3	C	
Upper Division Film Concentration	3	C	
Upper Division Related Digital Culture Course OR Upper Division Digital Media	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Media Engineering	3	C	
Upper Division Film Concentration	3	C	
Term hours subtotal:	12		

- Digital Culture and Concentration coursework: refer to additional notes and program advisor for course selection.

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 394: Special Topics	ART 440: Experimental Video Art
	AME 411: Advanced Interactive Sound	ART 494: Documentary Video Art
	AME 430: Mac Development for Media Arts	ART 494: Visual Prototyping
	AME 435: Mobile Development	CIS 300: Web Design and Development
	AME 444: Media Installations	CPI 111: Game Development I (CS)
	AME 470: Programming for Social and Interactive Media	DCE 294: Hybrid Action: Physical Intelligence in Digital Culture
	AME 494: Special Topics	EDT 440: Creating and Marketing Mobile Apps
	ART 116: Introduction to Digital Media	FMP 225: Introduction to Visual Effects
	ART 218: 3D Tools	FMP 240: Introduction to Animation for Film
	ART 378: Digital Textiles	

DCE 294:  
HybridAction:PhysicalIntelligenceinDigitalCulture

FSH 394: Fashion Design & Wearable  
Technology

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid  
Ensembles

MDC 411: Advanced Interactive Sound

FMP 255: Media Authorship (CS)

FMP 294: Sound Design: From Hollywood to  
Independent Film

FMP 394: Non-Linear Editing for Film and Media

GIT 135: Graphic Communications

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art  
Practice

IAP 104: Foundations I: Fundamentals of Sound  
Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid  
Ensembles

History/Theory Course List	Media Engineering Course List	Related Digital Culture Course List
ALA 100: Introduction to Environmental Design (HU & H & G)	AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective
ALA 102: Landscapes and Sustainability (HU & G)	AME 430: Mac Development for Media Arts	
APH 300: World Architecture I/Western Cultures (HU & H & G)	AME 435: Mobile Development	
APH 313: History of Architecture I ((L or HU) & G & H)	AME 470: Programming for Social and Interactive Media	
APH 314: History of Architecture II ((L or HU) & G & H)	EEE 307: Signal Processing for Digital Culture	
ARA 202: Understanding Photographs		
ARS 102: Art from Renaissance to Modernism (HU & H)		
ARS 345: Art and Television		
ARS 394: Anime		
ARS 438: Art of the 20th Century I (HU & H)		
ARS 439: Art of the 20th Century II (HU & H)		

DCE 300: Dancing Histories (HU)

DSC 101: Design Awareness (HU & G)

FMP 294: History of Film & Television  
Production

FMP 403: Independent Film (HU)

FMP 405: Film and Television: Pioneers,  
Practices and Innovations (HU)

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 304: Traditions of the Avant-Garde and  
Experimental Art (L or HU)

IAP 305: 20th and 21st Century Art,  
Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories  
(HU)

INT 310: History of Interior Design I (HU &  
H)

INT 311: History of Interior Design II (HU &  
H)

LAP 311: History of Landscape Architecture  
(HU & H)

LAP 312: 20th-Century Landscape  
Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American  
Musical (HU)

MUS 362: Rap Music and Hip Hop Culture  
(HU & C)

STS 303: History of Science and Technology  
(H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU &  
H)

**Film Concentration**

FMP 194: Special Topics

FMP 294: Special Topics

FMP 300: Focus on Film

FMP 325: Guerilla VFX

FMP 335: Careers in Film and Media Industry

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FMP 345: Cinematography I

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FMP 350: Directing for Documentary Media

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FMP 370: Producing for Film and Media

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FMP 394: Special Topics

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FMP 403: Independent Film (HU)

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FMP 405: Film and Television: Pioneers,  
Practices and Innovations (HU)

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FMP 445: Cinematography II

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FMP 494: Special Topics

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map


### Digital Culture (Graphic Information Technology), BA



School/College: Herberger Institute for Design and the Arts



Location: Tempe campus




HIDGCTEBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students. Digital culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>Students interested in the Animation focus should take GIT 211.</li> <li>Students interested in the Web focus should take GIT 215.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
GIT 230: Digital Illustration in Publishing	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	
GIT 211: Introduction to Video Game Art OR GIT 215: Introduction to Web Authoring	3	C	<ul style="list-style-type: none"> <li>Build your <b>skills</b>.</li> </ul>

TMC 110: Understanding the Enterprise	3	C
Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4	
Social-Behavioral Sciences (SB)	3	
 Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Complete MAT 210 course(s).		
Term hours subtotal:	16	

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Digital Media OR Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Digital Media courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.</li> <li>Students interested in the Animation focus should take GIT 312.</li> <li>Students interested in the Web focus should take GIT 337.</li> </ul>
GIT 312: 3-D Computer Graphics Modeling and Representation (CS) OR GIT 337: Web Content Design	3	C	
Technological Entrepreneurship Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Students interested in the Animation focus should take GIT 411.</li> <li>Students interested in the Web focus should take GIT 414.</li> <li>Build a digital portfolio.</li> </ul>
GIT 411: Computer Animation OR GIT 414: Web Site Design and Internet/Web Technologies	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division Technological Entrepreneurship Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Digital Culture Studies	3	C	<ul style="list-style-type: none"> <li>Students interested in the Animation focus should take GIT 314.</li> <li>Students interested in the Web focus should take GIT 402 or GIT 417.</li> <li>Explore an <b>internship</b>.</li> </ul>
GIT 402: New Media Internet Technologies OR GIT 314: Multimedia Design, Planning and Storyboards OR GIT 417: Advanced Web Markup and Scripting	3	C	
Complete 2 courses:			
Upper Division Digital Media OR Upper Division Digital Culture Studies	6	C	
Upper Division Technological Entrepreneurship Course	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AME 485: Digital Culture Capstone I	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not</li> </ul>
Upper Division Digital Culture Studies OR Media Engineering Course	3	C	

Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C
Upper Division Technological Entrepreneurship Course	3	C
Elective OR AME 484: Internship	3	
Term hours subtotal:	15	

meeting this GPA requirement, please see your advisor.  
 • Gather professional references.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Culture Studies OR Upper Division Digital Media OR Media Engineering Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 394: Special Topics	ART 440: Experimental Video Art
	AME 411: Advanced Interactive Sound	ART 494: Documentary Video Art
	AME 430: Mac Development for Media Arts	ART 494: Visual Prototyping
	AME 435: Mobile Development	CIS 300: Web Design and Development
	AME 444: Media Installations	CPI 111: Game Development I (CS)
	AME 470: Programming for Social and Interactive Media	DCE 294:
	AME 494: Special Topics	HybridAction:PhysicalIntelligenceinDigitalCulture
	ART 116: Introduction to Digital Media	EDT 440: Creating and Marketing Mobile Apps
	ART 218: 3D Tools	FMP 225: Introduction to Visual Effects



ART 378: Digital Textiles

DCE 294:  
HybridAction:PhysicalIntelligenceinDigitalCulture

FSH 394: Fashion Design & Wearable  
Technology

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid  
Ensembles

MDC 411: Advanced Interactive Sound

FMP 240: Introduction to Animation for Film

FMP 255: Media Authorship (CS)

FMP 294: Sound Design: From Hollywood to  
Independent Film

FMP 394: Non-Linear Editing for Film and Media

GIT 135: Graphic Communications

GIT 215: Introduction to Web Authoring

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art  
Practice

IAP 104: Foundations I: Fundamentals of Sound  
Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid  
Ensembles

Media Engineering Course List	Technological Entrepreneurship Course List
AME 410: Interactive Materials	OMT 430: Ethical Issues in Technology
AME 430: Mac Development for Media Arts	OMT 480: Organizational Effectiveness
AME 435: Mobile Development	TEM 230: Creativity and Business Innovation
AME 470: Programming for Social and Interactive Media	TEM 330: Systems Innovation
EEE 307: Signal Processing for Digital Culture	TEM 431: Innovation Management
	TMC 310: Promotion of the Enterprise
	TMC 320: Funding the Enterprise
	TMC 330: Leading the Enterprise
	TMC 430: Enterprise Strategy and Innovation

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Digital Culture (Interdisciplinary Arts and Performance), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDCIAPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.</li> <li>• Mathematics Placement Assessment score determines placement in mathematics course.</li> <li>• ASU 101 or college specific equivalent First Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU)	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	
Digital Media OR Digital Culture Studies	3	C	
Interdisciplinary Arts and Performance Concentration	3	C	

Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
Elective	3
Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Complete MAT 210 course(s).	
Term hours subtotal:	16

- Digital Media courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.
- Build your **skills**.

Term 4 47 - 62 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
Digital Media OR Digital Culture Studies	3	C	
<i>Complete 2 courses:</i>			
Interdisciplinary Arts and Performance Concentration	6	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
Upper Division Digital Culture Studies	3	C	• Build a digital portfolio.
IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division Interdisciplinary Arts and Performance Concentration	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
Upper Division Digital Culture Studies	3	C	• Explore an <b>internship</b> .
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
<i>Complete 2 courses:</i>			
Upper Division Interdisciplinary Arts and Performance Concentration	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
AME 485: Digital Culture Capstone I	3	C	• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor. • Gather <b>professional references</b> .
Upper Division Digital Culture Studies OR Media Engineering Course	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division Interdisciplinary Arts and Performance Concentration	3	C	

Elective OR AME 484: Internship

3

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division Interdisciplinary Arts and Performance Concentration	3	C	
Upper Division Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 394: Special Topics	ART 440: Experimental Video Art
	AME 411: Advanced Interactive Sound	ART 494: Documentary Video Art
	AME 430: Mac Development for Media Arts	ART 494: Visual Prototyping
	AME 435: Mobile Development	CIS 300: Web Design and Development
	AME 444: Media Installations	CPI 111: Game Development I (CS)
	AME 470: Programming for Social and Interactive Media	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
	AME 494: Special Topics	EDT 440: Creating and Marketing Mobile Apps
	ART 116: Introduction to Digital Media	FMP 225: Introduction to Visual Effects
	ART 218: 3D Tools	FMP 240: Introduction to Animation for Film
	ART 378: Digital Textiles	FMP 255: Media Authorship (CS)
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	FMP 294: Sound Design: From Hollywood to Independent Film

FSH 394: Fashion Design & Wearable Technology

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MDC 411: Advanced Interactive Sound

FMP 394: Non-Linear Editing for Film and Media

GIT 135: Graphic Communications

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

Media Engineering Course List

AME 410: Interactive Materials

AME 430: Mac Development for Media Arts

AME 435: Mobile Development

AME 470: Programming for Social and Interactive Media

EEE 307: Signal Processing for Digital Culture

Interdisciplinary Arts and Performance Concentration Course List

IAP 102: Foundations I: Performance Techniques and Composition

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 105: Foundations I: Fundamentals of Visual Art

IAP 307: Art and War (HU & G)

IAP 321: Music Composition I

IAP 322: Multitrack Digital Recording

IAP 324: The Voice and Performance

IAP 325: Sound Performance: Exploring Alternative Performance Groups

IAP 333: Directing for Performance

IAP 354: Visual Representation

IAP 361: Digital Editing and Media Literacy (CS)

IAP 363: Sound, Image, and Media

IAP 365: Digital Interactivity

IAP 375: Contemporary Performance:  
Theories and Practice

IAP 394: Special Topics

IAP 431: Perspectives on Performance and  
Acting

IAP 441: Movement for Performance

IAP 464: Media and Diversity (HU & G)

IAP 466: Digital Interactivity, Advanced

IAP 468: Digital Graphic Applications

IAP 469: Advanced Audio Production

IAP 471: Language, Culture, and Performance  
(L or HU)

IAP 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Digital Culture (Media Processing), BS

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCMPBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>
AME 101: ASU Digital Culture Experience	1	C	
<i>Complete 2 courses:</i>			
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Maintain 3.00 GPA in Major Courses.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
CSE 110: Principles of Programming (CS)	3	C	
Lower Division Digital Culture Flexible Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: GPA First-Year Review			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	
CPI 111: Game Development I (CS) OR CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Build your <b>skills</b>.</li> </ul>
Digital Culture Studies	3	C	



MAT 243: Discrete Mathematical Structures	3	C
Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4	
❖ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

Term 4 47 - 62 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ Digital Culture Studies	3	C	• Look into Study Abroad options.
CPI 211: Game Development II OR CSE 240: Introduction to Programming Languages	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Digital Culture Studies	6	C	• Keep good documentation of all your projects.
CPI 360: Decision Making and Problem Solving OR CSE 310: Data Structures and Algorithms OR CPI 311: Game Engine Development	3	C	
Media Processing Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Media Processing Elective	3	C	• Build a digital portfolio. • Explore an internship. Any internship approved for AME 484 Internship credit will automatically fulfill AME 486 Capstone II.
Upper Division Media Processing Elective	3	C	
Complete 2 courses: Upper Division Digital Culture Studies OR Upper Division Digital Media	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	• All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor. • Gather professional references.
Upper Division Digital Culture Studies	3	C	
Upper Division Media Engineering	3	C	
Upper Division Media Processing Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ AME 486: Digital Culture Capstone II OR AME 484: Internship	3	C
Upper Division Digital Culture Studies OR Upper Division Digital Media	3	C
Upper Division Media Processing Elective	3	C
Elective	3	
Term hours subtotal:	12	

- Start applying for full-time career opportunities.

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 394: Special Topics	ART 440: Experimental Video Art
	AME 411: Advanced Interactive Sound	ART 494: Documentary Video Art
	AME 430: Mac Development for Media Arts	ART 494: Visual Prototyping
	AME 435: Mobile Development	CIS 300: Web Design and Development
	AME 444: Media Installations	CPI 111: Game Development I (CS)
	AME 470: Programming for Social and Interactive Media	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
	AME 494: Special Topics	EDT 440: Creating and Marketing Mobile Apps
	ART 116: Introduction to Digital Media	FMP 225: Introduction to Visual Effects
	ART 218: 3D Tools	FMP 240: Introduction to Animation for Film
	ART 378: Digital Textiles	FMP 255: Media Authorship (CS)
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	FMP 294: Sound Design: From Hollywood to Independent Film
	FSH 394: Fashion Design & Wearable Technology	FMP 394: Non-Linear Editing for Film and Media
	MDC 211: Introduction to Digital Sound	GIT 135: Graphic Communications
		GIT 215: Introduction to Web Authoring

MDC 311: Composing and Performing for Hybrid Ensembles

MDC 411: Advanced Interactive Sound

GIT 230: Digital Illustration in Publishing

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

Media Engineering	Media Processing Electives
AME 410: Interactive Materials	CPI 211: Game Development II
AME 430: Mac Development for Media Arts	CPI 221: Advanced Object-Oriented Principles Using Java or CPI 310: Web-Based Information Management Systems
AME 435: Mobile Development	CPI 321: Fundamentals of Game Art
AME 470: Programming for Social and Interactive Media	CPI 394: Special Topics
EEE 307: Signal Processing for Digital Culture	CPI 411: Graphics for Games
	CPI 421: 3-D Modeling and Texturing
	CPI 462: Design for Learning in Virtual Worlds
	CPI 494: Special Topics
	CSE 205: Object-Oriented Programming and Data Structures (CS)
	CSE 220: Programming for Computer Engineering
	CSE 240: Introduction to Programming Languages
	CSE 360: Introduction to Software Engineering
	CSE 394: Special Topics
	CSE 463: Introduction to Human Computer Interaction
	CSE 470: Computer Graphics
	CSE 494: Special Topics

IAP 362: Games and Narratology

IAP 462: Games and Play

IEE 431: Engineering Administration (L)

SER 431: Advanced Graphics

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Digital Culture (Music), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCMBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First Year Seminar required of all first-year students. Digital culture students complete AME 101 to fulfill this requirement.</li> </ul>	
AME 101: ASU Digital Culture Experience	1	C		
<i>Complete 2 courses:</i>				
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 210: Brief Calculus (MA)	3	C		
 Maintain 3.00 GPA in Digital Culture coursework.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>MTC 125 is only offered in the fall term and requires a placement diagnostic exam. Please see the your advisor to prepare this term to be able to take this course in the fall semester.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>	
MUS 100: Fundamentals of Music Notation OR MTC 125: Basic Music Theory	3	C		
Lower Division Digital Culture Flexible Elective	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Milestone: GPA First-Year Review				
Term hours subtotal:	15			
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade		Notes
Digital Media OR Digital Culture Studies	3	C		

Music Production Elective	3	C
Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4	
Social-Behavioral Sciences (SB)	3	
◆ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Complete MAT 210 course.		
Term hours subtotal:	16	

- Digital Media courses are classes that include digital media projects within a trans-disciplinary area of study. See the course list below or talk to your advisor for specific course options.
- Build your **skills**.

Term 4 47 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ Digital Media OR Digital Culture Studies	3	C	
MUS OR MUP OR MUE OR MTC Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
History/Theory Course	3	C	
Elective OR AME 484: Internship	3		
Term hours subtotal:	15		

- Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.
- Build a digital portfolio.

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	
MTC 436: Electronic Studio Techniques I OR MTC 437: Electronic Studio Techniques II OR MUE 441: Psychology of Music OR MUP 319: Advanced Audio Engineering in the Arts	2-3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division History/Theory Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14-15		

- If you take MTC 436, MTC 437, or MUP 319 (2 credits each) in this term, you will need to complete one additional hour (or 4 hours total) of MUS OR MUP OR MUE OR MTC Upper Division Elective in term 8.
- Explore an **internship**.

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	
MUS 354: Popular Music (HU) OR MUS 362: Rap Music and Hip Hop Culture (HU & C)	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture Course	3	C	

- All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.

Upper Division Elective	3
Term hours subtotal:	15

- Any MUS 354 topic can be used to fulfill the concentration requirement.
- Gather professional references.

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	<ul style="list-style-type: none"> <li>• If you took MTC 436, MUP 319 or MTC 437 in term 6, you will need to complete one additional hour (or 4 hours total) of MUS OR MUP OR MUE OR MTC Upper Division Elective in term 8.</li> </ul>
MUS OR MUP OR MUE OR MTC Upper Division Elective	4-3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Media Engineering	3	C	
Term hours subtotal:	13-12		

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 394: Special Topics	ART 440: Experimental Video Art
	AME 411: Advanced Interactive Sound	ART 494: Documentary Video Art
	AME 430: Mac Development for Media Arts	ART 494: Visual Prototyping
	AME 435: Mobile Development	CIS 300: Web Design and Development
	AME 444: Media Installations	CPI 111: Game Development I (CS)
	AME 470: Programming for Social and Interactive Media	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
	AME 494: Special Topics	EDT 440: Creating and Marketing Mobile Apps
	ART 116: Introduction to Digital Media	FMP 225: Introduction to Visual Effects
	ART 218: 3D Tools	FMP 240: Introduction to Animation for Film
	ART 378: Digital Textiles	FMP 255: Media Authorship (CS)
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	

FSH 394: Fashion Design & Wearable Technology

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MDC 411: Advanced Interactive Sound

FMP 294: Sound Design: From Hollywood to Independent Film

FMP 394: Non-Linear Editing for Film and Media

GIT 135: Graphic Communications

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

History/Theory Course List	Media Engineering Course List	Related Digital Culture Course List
ALA 100: Introduction to Environmental Design (HU & H & G)	AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective
ALA 102: Landscapes and Sustainability (HU & G)	AME 430: Mac Development for Media Arts	
APH 300: World Architecture I/Western Cultures (HU & H & G)	AME 435: Mobile Development	
APH 313: History of Architecture I ((L or HU) & G & H)	AME 470: Programming for Social and Interactive Media	
APH 314: History of Architecture II ((L or HU) & G & H)	EEE 307: Signal Processing for Digital Culture	
ARA 202: Understanding Photographs		
ARS 102: Art from Renaissance to Modernism (HU & H)		
ARS 345: Art and Television		
ARS 394: Anime		
ARS 438: Art of the 20th Century I (HU & H)		
ARS 439: Art of the 20th Century II (HU & H)		
DCE 300: Dancing Histories (HU)		



DSC 101: Design Awareness (HU & G)

FMP 294: History of Film & Television  
Production

FMP 403: Independent Film (HU)

FMP 405: Film and Television: Pioneers,  
Practices and Innovations (HU)

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 304: Traditions of the Avant-Garde and  
Experimental Art (L or HU)

IAP 305: 20th and 21st Century Art,  
Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories  
(HU)

INT 310: History of Interior Design I (HU &  
H)

INT 311: History of Interior Design II (HU &  
H)

LAP 311: History of Landscape Architecture  
(HU & H)

LAP 312: 20th-Century Landscape  
Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American  
Musical (HU)

MUS 362: Rap Music and Hip Hop Culture  
(HU & C)

STS 303: History of Science and Technology  
(H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU &  
H)

#### Music Production Elective Course List

MUS 294: Producing Hip Hop and Dance  
Music I

MUS 294: Rock Band

MUS 294: Song Production with Garage Band

MUS 294: Songwriting

**Notes:**

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- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Digital Culture (Theatre), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIDGCTBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 AME 111: Introduction to Digital Culture (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.</li> </ul>	
AME 101: ASU Digital Culture Experience	1	C		
Complete 2 courses:				
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	6	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 210: Brief Calculus (MA)	3	C		
 Maintain 3.00 GPA in Digital Culture coursework.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS)	3	C	<ul style="list-style-type: none"> <li>All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.</li> <li>Students interested in costuming should take THP 214. All others should take THP 213.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>	
THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming	4	C		
Lower Division Digital Culture Flexible Elective	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Milestone: GPA First-Year Review				
Term hours subtotal:	16			
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade		Notes
THF 215: Design and Composition for Theatre and Film (HU)	3	C		
Digital Media OR Digital Culture Studies	3	C		

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Natural Science - Quantitative (SQ) ( PHY 101 recommended)	4
Social-Behavioral Sciences (SB)	3
🚩 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Complete MAT 210 course.	
Term hours subtotal:	16

- Digital Media courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.
- Build your **skills**.

Term 4 48 - 63 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 Digital Media OR Digital Culture Studies	3	C	
History/Theory Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	
Upper Division Digital Culture Studies OR Related Digital Culture Course	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division Theatre Design Course I	3	C	
Elective OR AME 484: Internship	3		
Term hours subtotal:	15		

- Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.
- Build a digital portfolio.

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media OR Upper Division Digital Culture Studies	3	C	
Upper Division History/Theory Course	3	C	
Upper Division Theatre Design Course II	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- Students may take THP 301 with department consent, however it will need to be taken 3 times to fulfill a Theatre Design Course II requirement.
- Explore an **internship**.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture Course OR Upper Division Digital Media	3	C	
Upper Division Theatre Design Course I	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

- All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.
- Gather **professional references**.

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	<ul style="list-style-type: none"> <li>Students may take THP 301 with department consent, however it will need to be taken 3 times to fulfill a Theatre Design Course II requirement.</li> </ul>
Upper Division Digital Culture Studies	3	C	
Upper Division Media Engineering	3	C	
Upper Division Theatre Design Course II	3	C	
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Digital Culture Flexible Elective	Digital Culture Studies Course List	Digital Media Course List
AME OR MDC Lower Division Elective	AME 210: Media Editing	ART 116: Introduction to Digital Media
	AME 220: Programming for the Web	ART 206: Digital Photography I
	AME 240: Introduction to Physical Computing	ART 217: Introduction to Computer Animation
	AME 244: Introduction to Interactive Environments	ART 218: 3D Tools
	AME 294: Circuit Bending	ART 308: 2D Digital Animation
	AME 294: Design Politics	ART 312: Illustration
	AME 294: Soundscape Ecology	ART 346: 3-D Computer Imaging and Animation (CS)
	AME 310: Media Literacies and Composition	ART 348: Animation Motion Studies
	AME 320: Motion Capture for Integrative Systems	ART 394: Digital Photography for Non-Majors
	AME 330: Digital-Physical Systems	ART 424: Stop Motion Animation
	AME 333: Improvising Cyborgs	ART 438: Moving and Interactive Systems in Sculpture
	AME 394: Special Topics	ART 440: Experimental Video Art
	AME 411: Advanced Interactive Sound	ART 494: Documentary Video Art
	AME 430: Mac Development for Media Arts	ART 494: Visual Prototyping
	AME 435: Mobile Development	CIS 300: Web Design and Development
	AME 444: Media Installations	CPI 111: Game Development I (CS)
	AME 470: Programming for Social and Interactive Media	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
	AME 494: Special Topics	EDT 440: Creating and Marketing Mobile Apps
	ART 116: Introduction to Digital Media	FMP 225: Introduction to Visual Effects
	ART 218: 3D Tools	FMP 240: Introduction to Animation for Film
	ART 378: Digital Textiles	FMP 255: Media Authorship (CS)
	DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture	FMP 294: Sound Design: From Hollywood to Independent Film
	FSH 394: Fashion Design & Wearable Technology	FMP 394: Non-Linear Editing for Film and Media

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MDC 411: Advanced Interactive Sound

GIT 135: Graphic Communications

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 394: Motion Graphics & Animation

IAP 462: Games and Play

MDC 311: Composing and Performing for Hybrid Ensembles

History/Theory Course List	Media Engineering Course List	Related Digital Culture Course List
ALA 100: Introduction to Environmental Design (HU & H & G)	AME 410: Interactive Materials	ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective
ALA 102: Landscapes and Sustainability (HU & G)	AME 430: Mac Development for Media Arts	
APH 300: World Architecture I/Western Cultures (HU & H & G)	AME 435: Mobile Development	
APH 313: History of Architecture I ((L or HU) & G & H)	AME 470: Programming for Social and Interactive Media	
APH 314: History of Architecture II ((L or HU) & G & H)	EEE 307: Signal Processing for Digital Culture	
ARA 202: Understanding Photographs		
ARS 102: Art from Renaissance to Modernism (HU & H)		
ARS 345: Art and Television		
ARS 394: Anime		
ARS 438: Art of the 20th Century I (HU & H)		
ARS 439: Art of the 20th Century II (HU & H)		
DCE 300: Dancing Histories (HU)		
DSC 101: Design Awareness (HU & G)		
FMP 294: History of Film & Television Production		

FMP 403: Independent Film (HU)

FMP 405: Film and Television: Pioneers,  
Practices and Innovations (HU)

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 304: Traditions of the Avant-Garde and  
Experimental Art (L or HU)

IAP 305: 20th and 21st Century Art,  
Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories  
(HU)

INT 310: History of Interior Design I (HU &  
H)

INT 311: History of Interior Design II (HU &  
H)

LAP 311: History of Landscape Architecture  
(HU & H)

LAP 312: 20th-Century Landscape  
Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 356: Broadway and the American  
Musical (HU)

MUS 362: Rap Music and Hip Hop Culture  
(HU & C)

STS 303: History of Science and Technology  
(H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU &  
H)

Upper Division Theatre Design I Course List

THP 330: Costume Design

THP 340: Scene Design

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 435: Technical Direction

THP 450: Theatre Organization and  
Management

Upper Division Theatre Design II Course List

THP 301: Theatre Production

THP 335: Advanced Stagecraft

THP 431: Advanced Costume Construction

THP 442: Rendering for Design and  
Production

THP 444: Drafting for the Stage

THP 448: AutoCAD for Live Entertainment

THP 494: Materials for the Stage

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THP 494: Art Direction

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THP 494: Rigging for the Stage

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THP 494: Structural and Mechanical Design  
for the Stage

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THP 494: Vectorworks

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Environmental Design, BS



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus




HIEDSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. DSC 100 fulfills this requirement.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
 Design Culture and Literacy I	3	C	
 Design Fundamentals and Principles I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Design Culture and Literacy II	3	C	<ul style="list-style-type: none"> <li>Please work with your academic advisor for Social and Behavioral Sciences (SB) General Studies course options related to your focus area.</li> </ul>
 Design Fundamentals and Principles II	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Main Focus Area Elective	3	C	
Social-Behavioral Sciences (SB) ( PSY 101 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EDS 223: Design Thinking	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> <li>The following courses are recommended to fulfill the Natural Science - Quantitative (SQ) requirement: BIO 100, OR PHY 101, OR PHY 111 and 113, OR GPH 111 and 112.</li> </ul>
SOS 100: Introduction to Sustainability (G)	3	C	
Computer/Statistics/Quantitative Applications (CS) ( INT 121 OR CIS 105 recommended)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EDS 200: Design Literacy and Communication	3	C	
Main Focus Area Elective	3	C	
Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GRA 440: Finding Purpose	3	C	• Develop your skills.
Upper Division Design History	3	C	
Complete 2 courses:	6	C	
Upper Division Main Focus Area Elective			
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ENG 301: Writing for the Professions (L)	3		• Complete an in person or virtual practice interview
Upper Division Design Entrepreneurship	3	C	
Upper Division Design History	3	C	
Upper Division Main Focus Area Elective	3	C	
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDS 301: Sustainable Community Design and Practices	3	C	• Gather professional references
 EDS 401: Environmental Design Synthesis I	3	C	
Upper Division Main Focus Area Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDS 402: Environmental Design Synthesis II	3	C	
Upper Division Main Focus Area Elective	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Design Culture and Literacy I Course List (choose 1 course; 3 hours)	Design Fundamentals and Principles I Course List (choose 1 course; 3 hours)	Design Entrepreneurship (choose 1 course; 3 hours)
ALA 100: Introduction to Environmental Design (HU & H & G)	ALA 121: Design Fundamentals I	DSC 394: Design Entrepreneurship & Society
ALA 102: Landscapes and Sustainability (HU & G)	GRA 121: Principles for Graphic Design I	DSC 494: Practice Management
DSC 101: Design Awareness (HU & G)	IND 120: Drawing for Industrial Design	
GRA 101: Designing Life	INT 120: Design Fundamentals I	
GRA 111: Graphic Design History I (HU)	INT 121: Introduction to Computer Modeling for Interior Design (CS)	
GRA 112: Graphic Design History II		
INT 111: Interior Design Issues and Theories (HU)		
Design Culture and Literacy II Course List (choose 1 course; 3 hours)	Design Fundamentals and Principles II Course List (choose 1 course; 3-4 hours)	Design History Elective (Choose 2 courses; 6 hours)
ALA 100: Introduction to Environmental Design (HU & H & G)	ALA 122: Design Fundamentals II AND ALA 124: Design Fundamentals II Lecture	APH 300: World Architecture I/Western Cultures (HU & H & G) or APH 313: History of Architecture I ((L or HU) & G & H)
ALA 102: Landscapes and Sustainability (HU & G)	GRA 122: Principles for Graphic Design II	APH 314: History of Architecture II ((L or HU) & G & H)
COM 100: Introduction to Human Communication (SB)	GRA 225: Communication/Interaction Design Theory	APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU & H)
COM 110: Elements of Interpersonal Communication (SB)	GRA 294: Dynamic Visual Representation	APH 414: Great Cities ((L or HU) & H)
CON 101: Construction and Culture: a Built Environment (HU & H)	IND 121: Principles for Industrial Design I AND IND 122: Principles for Industrial Design II	APH 461: Charles and Ray Eames (HU)
DSC 101: Design Awareness (HU & G)	INT 123: Introduction to Computer-Aided Design and Building Information Modeling	APH 494: The Image of Rome
GRA 101: Designing Life	INT 122: Principles of Design AND INT 124: Design Fundamentals II Lecture	IND 316: 20th-Century Design I (HU & H)
GRA 111: Graphic Design History I (HU)		IND 317: 20th-Century Design II (HU & H)
GRA 112: Graphic Design History II		INT 310: History of Interior Design I (HU & H)
INT 111: Interior Design Issues and Theories (HU)		INT 311: History of Interior Design II (HU & H)
INT 131: Design and Human Behavior (SB)		INT 415: Latin American Design
PHI 103: Principles of Sound Reasoning (L or HU)		INT 494: Contemporary Design Issues in Europe
PHI 105: Intro to Ethics (HU)		INT 494: Design and Context
		LAP 311: History of Landscape Architecture (HU & H)
		LAP 312: 20th-Century Landscape Architecture (HU)
		LAP 485: International Field Studies (G)

Design Management, Innovation and Strategy Focus (Choose 7 courses; 21 hours in the main focus area)	Design, Environment and Sustainability Focus (Choose 7 courses; 21 hours in the main focus area)
ACC 382: Accounting and Financial Analysis	ATE 361: Architectural Technology I
ARA 396: Professional Practices for Design and the Arts	ATE 362: Architectural Technology II
COM 100: Introduction to Human Communication (SB)	ATE 452: Architectural Technology III
COM 110: Elements of Interpersonal Communication (SB)	CON 294: Deductive Logic, Leadership/Management Techniques
COM 225: Public Speaking (L)	DSC 494: Economics of Building Design
COM 230: Small Group Communication (SB)	EDS 484: Internship
COM 250: Communication and the Workplace (SB)	GRA 401: Creative Environment
COM 259: Communication in Business and the Professions	IND 242: Materials and Design
COM 263: Elements of Intercultural Communication (SB & C & G)	IND 344: Human Factors in Design
COM 312: Communication, Conflict, and Negotiation	INT 341: Interior Codes: Public Welfare and Safety
CON 294: Deductive Logic, Leadership/Management Techniques	INT 351: Ambient Environment
CON 494: Facilities Management Operations and Maintenance	INT 471: Facilities Management
DSC 494: Economics of Building Design	LAP 251: Plant Materials for Sustainable Landscapes
DSC 494: Practice Management	LAP 341: Landscape Construction I
ECN 211: Macroeconomic Principles (SB)	LAP 342: Landscape Construction II
ECN 212: Microeconomic Principles (SB)	PHI 103: Principles of Sound Reasoning (L or HU)
ECN 382: Managerial Economics	PHI 105: Intro to Ethics (HU)
EDS 484: Internship	PHI 360: Business and Professional Ethics (HU)
ENT 290: Entrepreneurship: Opportunity to Impact	PUP 301: Introduction to Urban Planning (L)
FIN 380: Personal Financial Management	PUP 363: History of Planning
GRA 345: Design Rhetoric (L)	PUP 420: Theory of Urban Design (HU)
GRA 401: Creative Environment	SOS 111: Sustainable Cities ((HU or SB) & G)
HDA 210: Creativity and Innovation in Design and the Arts	SOS 300: Advanced Concepts and Integrated Approaches in Sustainability
HDA 252: Foundations Arts and Design Entrepreneurship	SOS 320: Society and Sustainability (L or SB)
HDA 420: Design and the Arts Business Administration	SOS 323: Sustainable Urban Dynamics
IND 242: Materials and Design	SOS 324: Sustainable Energy Technology and Systems
	SOS 325: The Economics of Sustainability

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IND 344: Human Factors in Design

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IND 354: Principles of Product Design

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INT 471: Facilities Management

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INT 472: Professional Practice for Interior Design

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LES 380: Consumer Perspective of Business Law

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MGT 380: Management and Strategy for Nonmajors

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MKT 390: Essentials of Marketing

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MKT 391: Essentials of Selling

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MKT 395: Essentials of Advertising and Marketing Communication

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PHI 103: Principles of Sound Reasoning (L or HU)

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PHI 105: Intro to Ethics (HU)

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PHI 306: Applied Ethics (HU)

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PHI 360: Business and Professional Ethics (HU)

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SOC 324: Work and the Workplace (SB & H)

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THP 452: Arts Entrepreneurship Seminar

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TWC 301: Fundamentals of Writing for Digital Media (L)

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TWC 347: Written Communication for Managers (L)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Fashion - Fashion Business Management, BA



School/College: Herberger Institute for Design and the Arts

Location: Downtown Phoenix campus, Tempe campus




HIFSHBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ART 110: Drawing as Seeing and Thinking (HU)	3	C	
FSH 125: Survey of the Fashion Industry OR FSH 201: Textiles Survey	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	16		
<b>Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ARS course (HU) ( ARS 100 recommended)	3	C	
FSH 125: Survey of the Fashion Industry OR FSH 201: Textiles Survey	3	C	
INT 121: Introduction to Computer Modeling for Interior Design (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
<b>Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
FSH 202: Fashion Construction	3	C	
FSH 203: Fashion Illustration	3	C	
FSH 208: Fashion Technology	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FSH 204: Social Aspects of Fashion (L or HU or SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
FSH 206: Fashion Design	3	C	
FSH 280: Fashion Merchandising	3	C	
THE 430: History of Fashion I (HU) OR THE 431: History of Fashion II: 20th-Century Fashion	3	C	
Fashion Business Management Elective	3	C	
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ARA OR ARE OR ARS OR ART OR FSH Elective	3	C	
FSH 300: Global Fashion Industry (G)	3	C	
THE 430: History of Fashion I (HU) OR THE 431: History of Fashion II: 20th-Century Fashion	3	C	
Complete 2 courses: Fashion Business Management Elective	6	C	
Term hours subtotal:	15		

Term 6 78 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FSH 397: Fashion Capstone Development	1	C	<ul style="list-style-type: none"> <li>• During FSH 397, students will work with a faculty mentor to develop their individual capstone project. Projects may range from an academic thesis to an applied project (or any combination of both). Students will execute their planned project the following semester to earn FSH 497 credit.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
ARA 396: Professional Practices for Design and the Arts OR FSH 394: Branding for Future Fashion Professionals	3	C	
FSH 435: Contemporary Fashion (L or HU)	3	C	
Upper Division Fashion Professional Practices	1	C	
Complete 2 courses: Upper Division Fashion Business Management Elective	6	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FSH 497: Fashion Capstone	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• Explore an <b>internship</b>; complete Internship Application Form to request course credit.</li> </ul>
FSH 484: Internship	3	C	
Upper Division Fashion Business Management Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FSH 497: Fashion Capstone OR Upper Division Business Management Elective OR ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Research <b>employment opportunities</b>.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	4		



Elective

3

Term hours subtotal: 13

Hide Course List(s)/Track Group(s)

Fashion Business Management (18 credits; 9 credits must be Upper Division)

Fashion Professional Practices

Choose 2 courses (6 credits) from FSH Business Topics:

ARA 396: Professional Practices for Design and the Arts

FSH 394: Fashion Entrepreneurship

FSH 394: Professional Practices for Fashion

FSH 394: Fashion Styling

FSH 394: Fashion Visual Merchandising

FSH 394: PR for Fashion

Select an additional 4 courses (12 credits):

ACC Elective

DSC 394: Design Entrepreneurship & Society

ECN Elective

ENG 301: Writing for the Professions (L)

ENT Elective

FIN Elective

FSH 394: Fashion Entrepreneurship

FSH 394: Fashion Styling

FSH 394: Fashion Visual Merchandising

FSH 394: PR for Fashion

HDA 252: Foundations Arts and Design Entrepreneurship

LES 380: Consumer Perspective of Business Law

MCO Elective

MGT Elective

MKT Elective

OGL Elective

THP 351: Arts Management

TWC 347: Written Communication for Managers (L)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map











### Fashion - Fashion Design, BA

School/College: Herberger Institute for Design and the Arts

Location: Downtown Phoenix campus, Tempe campus

HIFSHBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ART 110: Drawing as Seeing and Thinking (HU)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSH 125: Survey of the Fashion Industry OR FSH 201: Textiles Survey	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSH 125: Survey of the Fashion Industry OR FSH 201: Textiles Survey	3	C	
FSH 202: Fashion Construction	3	C	
INT 121: Introduction to Computer Modeling for Interior Design (CS)	3	C	
ART Elective ( ART 113 OR ART 214 recommended)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
FSH 203: Fashion Illustration	3	C	
FSH 206: Fashion Design	3	C	
FSH 208: Fashion Technology	3	C	
ARS course (HU) ( ARS 100 recommended)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FSH 204: Social Aspects of Fashion (L or HU or SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the ASU Mentor Network</li> <li>• Students are recommended to complete FSH 394: Fashion Construction II and FSH 394: Fashion Design II for their Upper Division Fashion Design Focus courses.</li> </ul>
FSH 280: Fashion Merchandising	3	C	
THE 430: History of Fashion I (HU) OR THE 431: History of Fashion II: 20th-Century Fashion	3	C	
Complete 2 courses: Upper Division Fashion Design Focus	6	C	
Term hours subtotal:	15		
Term 5 62 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Fashion Business Management Elective	3	C	<ul style="list-style-type: none"> <li>• Students are recommended to complete FSH 394: Fashion Illustration II and FSH 394: Fashion Technology II for their Upper Division Fashion Design courses.</li> </ul>
FSH 300: Global Fashion Industry (G)	3	C	
THE 430: History of Fashion I (HU) OR THE 431: History of Fashion II: 20th-Century Fashion	3	C	
Complete 2 courses: Upper Division Fashion Design Focus	6	C	
Term hours subtotal:	15		
Term 6 77 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
ARA 396: Professional Practices for Design and the Arts OR FSH 394: Branding for Future Fashion Professionals	3	C	<ul style="list-style-type: none"> <li>• Students are recommended to complete FSH 394: Fashion Collection Development for their Upper Division Fashion Design Focus course.</li> <li>• Create a first draft resume.</li> </ul>
FSH 397: Fashion Capstone Development	1	C	
FSH 435: Contemporary Fashion (L or HU)	3	C	
Upper Division Fashion Professional Practices	1	C	
Upper Division Fashion Design Focus	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		
Term 7 92 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 FSH 497: Fashion Capstone	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Explore an internship; complete Internship Application Form to request course credit.</li> </ul>
FSH 484: Internship	3	C	
Upper Division Fashion Design Focus	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	13		
Term 8 105 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 FSH 497: Fashion Capstone	3	C	<ul style="list-style-type: none"> <li>• Research employment opportunities.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Fashion Design Focus (18 credits)	Fashion Business Management (3 credits)	Fashion Professional Practices (1 credit)
Recommended Courses for Term 4:	ACC Elective	ARA 396: Professional Practices for Design and the Arts
FSH 394: Fashion Construction II AND FSH 394: Fashion Design II	DSC 394: Design Entrepreneurship & Society ECN Elective	FSH 394: Professional Practices for Fashion
Recommended Courses for Term 5:	ENG 301: Writing for the Professions (L)	
FSH 394: Fashion Illustration II AND FSH 394: Fashion Technology II	ENT Elective	
Recommended Course for Term 6:	FIN Elective	
FSH 394: Fashion Collection Development	FSH 394: Fashion Entrepreneurship	
Recommended Course for Term 7 (select 1):	FSH 394: Fashion Styling	
FSH 494: Fashion Construction III	FSH 394: Fashion Visual Merchandising	
FSH 494: Fashion Design III	FSH 394: PR for Fashion	
FSH 394: Fashion Design & Wearable Technology	HDA 252: Foundations Arts and Design Entrepreneurship	
FSH 494: Fashion Technology III	LES 380: Consumer Perspective of Business Law	
FSH 494: Power Play Fashion Show	MCO Elective	
	MGT Elective	
	MKT Elective	
	OGL Elective	
	THP 351: Arts Management	
	TWC 347: Written Communication for Managers (L)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Fashion - Fashion Studies, BA



School/College: Herberger Institute for Design and the Arts

Location: Downtown Phoenix campus, Tempe campus



HIFSHBA



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		<ul style="list-style-type: none"> <li>• ARA 101: The Art Experience is required of all first-year art majors only.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ART 110: Drawing as Seeing and Thinking (HU)	3	C	
FSH 125: Survey of the Fashion Industry OR FSH 201: Textiles Survey	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ARS course (HU) ( ARS 100 recommended)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSH 125: Survey of the Fashion Industry OR FSH 201: Textiles Survey	3	C	
INT 121: Introduction to Computer Modeling for Interior Design (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
FSH 202: Fashion Construction	3	C	
FSH 203: Fashion Illustration	3	C	
FSH 208: Fashion Technology	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FSH 204: Social Aspects of Fashion (L or HU or SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
FSH 206: Fashion Design	3	C	
FSH 280: Fashion Merchandising	3	C	
THE 430: History of Fashion I (HU) OR THE 431: History of Fashion II: 20th-Century Fashion	3	C	
Fashion Related Studies Elective	3	C	
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Fashion Business Management Elective	3	C	
FSH 300: Global Fashion Industry (G)	3	C	
THE 430: History of Fashion I (HU) OR THE 431: History of Fashion II: 20th-Century Fashion	3	C	
Complete 2 courses: Fashion Related Studies Elective	6	C	
Term hours subtotal:	15		

Term 6 78 - 94 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
ARA 396: Professional Practices for Design and the Arts OR FSH 394: Branding for Future Fashion Professionals	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
FSH 435: Contemporary Fashion (L or HU)	3	C	
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	
Upper Division Fashion Professional Practices	1	C	
Upper Division Fashion Related Studies Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 94 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FSH 397: Fashion Capstone Development	1	C	<ul style="list-style-type: none"> <li>• During FSH 397, students will work with a faculty mentor to develop their individual capstone project. Projects may range from an academic thesis to an applied project (or any combination of both). Students will execute their planned project the following semester to earn FSH 497 credit.</li> <li>• Gather <a href="#">professional references</a>.</li> <li>• Explore an <a href="#">internship</a>; complete Internship Application Form to request course credit.</li> </ul>
FSH 484: Internship	3	C	
Upper Division Fashion Related Studies Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Term hours subtotal:	13		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FSH 497: Fashion Capstone	3	C	<ul style="list-style-type: none"> <li>• Research <a href="#">employment opportunities</a>.</li> </ul>
ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective	3	C	



Upper Division Elective	4
Elective	3
Term hours subtotal:	13

Hide Course List(s)/Track Group(s)

Fashion Related Studies (15 credits; 6 credits must be Upper Division)	Fashion Business Management (3 credits)	Fashion Professional Practices
AME Elective	ACC Elective	ARA 396: Professional Practices for Design and the Arts
ARA Elective	DSC 394: Design Entrepreneurship & Society	FSH 394: Professional Practices for Fashion
ARS Elective	ECN Elective	
ART Elective	ENG 301: Writing for the Professions (L)	
CIS 300: Web Design and Development	ENT Elective	
EDS 200: Design Literacy and Communication	FIN Elective	
EDS 223: Design Thinking	FSH 394: Fashion Entrepreneurship	
FSH Elective	FSH 394: Fashion Styling	
GRA 101: Designing Life	FSH 394: Fashion Visual Merchandising	
GRA 225: Communication/Interaction Design Theory	FSH 394: PR for Fashion	
HDA 210: Creativity and Innovation in Design and the Arts	HDA 252: Foundations Arts and Design Entrepreneurship	
IND 494: Textile Design	LES 380: Consumer Perspective of Business Law	
MCO Elective	MCO Elective	
PRM Elective	MGT Elective	
Second Language (as relevant to the Fashion Industry):	MKT Elective	
ARB OR CHI OR FRE OR ITA OR KOR OR JPN OR POR OR RUS OR SPA Elective	OGL Elective	
SOS Elective	THP 351: Arts Management	
TDM Elective	TWC 347: Written Communication for Managers (L)	
THP 301: Costume Construction		
THP 330: Costume Design		
THP 331: Costume Construction		
THP 332: Makeup		
THP 394: Pattern Drafting for Theatre		
THP 431: Advanced Costume Construction		
THP 494: Costume Crafts		
THP 494: Costume Design II		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Film (Film and Media Production), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAFLMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 THF 125: Orientation to Film, Dance and Theatre	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THF 125: Orientation to Theatre &amp; Film fulfills this requirement for theatre and film majors.</li> <li>FMP 250, FMS 100, and FMS 200 must be completed by term 4.</li> <li>Minimum 3.00 Film Core GPA required for selective Film and Media Production concentration.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
<i>Complete 2 courses:</i> FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film and Media Studies (HU) OR FMS 200: Film and Media History ((L or HU) & H)	6	C		
THF 160: Introduction to Storytelling (HU)	3	C		
Mathematics (MA)	3			
Maintain 3.00 GPA in Theatre and Film courses.				
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 THF 126: Professional Development: Communication and Collaboration.	2	C		<ul style="list-style-type: none"> <li>THF 160 must be completed by term 4.</li> <li>Minimum 3.00 Film Core GPA required for selective Film and Media Production concentration.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film and Media Studies (HU) OR FMS 200: Film and Media History ((L or HU) & H)	3	C		
FMP Elective	3	C		
Elective	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Theatre and Film courses.				
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	14			
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 FMP 201: Film: The Creative Process I (HU) OR FMP 261: Principles of Screenwriting	3	C	<ul style="list-style-type: none"> <li>Students interested in the film and media production concentration may apply for</li> </ul>	

FMP 280: Introduction to Film and Media Production	2	C
Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended)	3	
Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) AND Global Awareness (G) ( COM 263 recommended)	3	
❖ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Maintain 3.00 GPA in Theatre and Film courses.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

admission the semester they are completing the film core. For information on the application, interview, and portfolio review process, visit [Film and Media Production - Admission Requirements](#)

- Minimum 3.00 Film Core GPA required for selective Film and Media Production concentration.
- Establish [career interests](#).

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ FMP 201: Film: The Creative Process I (HU) OR FMP 261: Principles of Screenwriting	3	C	<ul style="list-style-type: none"> <li>• Students interested in the film and media production concentration may apply for admission the semester they are completing the film core. For information on the application, interview, and portfolio review process, visit <a href="#">Film and Media Production - Admission Requirements</a>.</li> <li>• Minimum 3.00 Film Core GPA required for selective Film and Media Production concentration.</li> <li>• Develop <a href="#">soft skills</a>.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
❖ Complete FMP 250 AND FMS 100 AND FMS 200 course(s).			
❖ Complete THF 160.			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FMP 300: Film Production: Film & Media Part I	3	C	<ul style="list-style-type: none"> <li>• Begin aligning your degree with your <a href="#">career goals</a>.</li> </ul>
FMP 220: Film and Media Post-Production I	3	C	
THF 101: Acting Introduction OR THP 194: Understanding Acting	3	C	
Complete 2 courses:	6	C	
Upper Division Film Elective			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FMP 398: Capstone Development	2	C	
FMP 318: Directing for Film and Media I OR Film/Media Technology Course OR Producing Course	3	C	
FMP 320: Film and Media Post-Production II OR FMP 403: Independent Film (HU)	3	C	
Upper Division Film Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Term hours subtotal:			

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 14

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FMP 480: Film Production Capstone I	3	C	<ul style="list-style-type: none"> <li>• If on the Producing Track, the Upper Division Humanities, Arts and Design (HU) is fulfilled with FMP 403.</li> <li>• Start <b>networking</b>.</li> </ul>
FMP 418: Directing for Film and Media II OR Film/Media Technology Course	3	C	
Upper Division Film Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FMP 481: Film Production Capstone II	3	C	<ul style="list-style-type: none"> <li>• Transfer students complete one additional hour of elective credit in term 8 to reach the university required 120 hours to graduate because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.</li> </ul>
FMP 420: Film and Media Post-Production III OR Producing Course	3	C	
Complete 2 courses:	6	C	
Upper Division Film Elective	3		
Upper Division Elective	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

Hide Course List(s)/Track Group(s)

Producing Course Options	Film/Media Technology Course Options	Film Electives
FMP 318: Directing for Film and Media I	FMP 220: Film and Media Post-Production I	FMP 294: Special Topics
FMP 330: Professional and Technical Writing for Film/TV Industry	FMP 225: Introduction to Visual Effects	FMP 394: Special Topics
FMP 335: Careers in Film and Media Industry	FMP 240: Introduction to Animation for Film	FMP 404: World Cinema (G)
FMP 350: Directing for Documentary Media	FMP 280: Introduction to Film and Media Production	FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)
FMP 370: Producing for Film and Media	FMP 320: Film and Media Post-Production II	FMP 494: Special Topics
FMP 411: Film Spark Engagement: Welcome to Hollywood	FMP 325: Guerilla VFX	THE 406: American Multicultural Film (HU & C)
FMP 417: Business and Legal Practices in Entertainment	FMP 345: Cinematography I	THE 421: Shakespeare: Stage and Film (L or HU)
FMP 418: Directing for Film and Media II	FMP 380: Film Production Crew	THE 430: History of Fashion I (HU)
FMP 475: Producing Series	FMP 394: Non-Linear Editing for Film and Media	THE 431: History of Fashion II: 20th-Century Fashion
FMP 484: Internship	FMP 420: Film and Media Post-Production III	THP 330: Costume Design
FMP 494: Video Production Lab	FMP 484: Internship	

HDA 252: Foundations Arts and Design Entrepreneurship	FMP 494: Advanced Sound Design Film and Media	THP 350: Sound Design
THP 351: Arts Management	FMP 494: Advanced VFX	
	FMP 494: Intro 3D Visual FX	
	FMP 494: Video Production Lab	
	THP 213: Introduction to Technical Theatre	
	THP 214: Introduction to Costuming	
	THP 340: Scene Design	
	THP 344: Drafting	
	THP 345: Lighting Design	
	THP 355: Media Design for Performance	
	THP 442: Rendering for Design and Production	
	THP 445: Advanced Lighting Design	
	THP 455: Advanced Media Design	
	THP 494: Art Direction	
	THP 494: Properties for the Stage	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Film (Filmmaking Practices), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus, ASU@Los Angeles

FAFPRBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMP Elective OR THF 160: Introduction to Storytelling (HU)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THF 125: Orientation to Theatre &amp; Film fulfills this requirement for theatre and film majors.</li> <li>Minimum 3.00 Film Core GPA required for highly selective Film and Media Production concentration.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 THF 125: Orientation to Film, Dance and Theatre	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
<i>Complete 2 courses:</i> FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film and Media Studies (HU) OR FMS 200: Film and Media History ((L or HU) & H)	6	C	
Mathematics (MA)	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMP Elective OR THF 160: Introduction to Storytelling (HU)	3	C	<ul style="list-style-type: none"> <li>Minimum 3.00 Film Core GPA required for highly selective Film and Media Production concentration.</li> </ul>
 THF 126: Professional Development: Communication and Collaboration.	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film and Media Studies (HU) OR FMS 200: Film and Media History ((L or HU) & H)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	14		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMP 201: Film: The Creative Process I (HU) OR FMP 261: Principles of Screenwriting	3	C	<ul style="list-style-type: none"> <li>Students interested in the Film and Media Production concentration may apply for admission the semester they are completing the Film core. See Film and Media Production</li> </ul>
 FMP 280: Introduction to Film and Media Production	2	C	



Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended)	3
Natural Science - Quantitative (SQ)	4
❖ Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Maintain 2.50 GPA in Theatre and Film courses.	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) AND Global Awareness (G) ( COM 263 recommended)	3
Term hours subtotal:	15

major map. For information on the interview process, visit: [Film and Media Production - Admission Requirements](#).

- Minimum 3.00 Film Core GPA required for highly selective Film and Media Production concentration.
- Establish [career interests](#).

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ FMP 201: Film: The Creative Process I (HU) OR FMP 261: Principles of Screenwriting	3	C
Film Elective	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Elective	3	
❖ Complete FMP 180 AND FMP 280 AND THF 160 course(s).		
❖ Complete FMP 250 AND FMS 100 AND FMS 200 course(s).		
Maintain 2.50 GPA in Theatre and Film courses.		
Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	16	

- Students interested in the Film and Media Production concentration may apply for admission in the semester they are completing the Film core. See Film and Media Production major map. For information on the interview process, visit: [Film and Media Production - Admission Requirements](#).
- Minimum 3.00 Film Core GPA required for highly selective Film and Media Production concentration.
- Develop [soft skills](#).

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ FMP 300: Film Production: Filmmaking Practices OR Upper Division Screenwriting Course	3	C
THF 101: Acting Introduction OR THP 194: Understanding Acting OR THP 387: Screen Acting	3	C
Film Elective	3	C
Upper Division Related Study Elective	3	C
Upper Division Elective	3	
Maintain 2.50 GPA in Theatre and Film courses.		
Term hours subtotal:	15	

- Upper Division Related Study Elective: Course cannot be from FMP, THE or THP subjects; must have "film" in the title.
- Begin aligning your degree with your [career goals](#).

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ FMP 380: Film Production Crew OR FMP 484: Internship	1	C
★ THF 397: Professional Development Seminar	1	C
FMP 403: Independent Film (HU)	3	C
Producing Course	3	C
Upper Division Film Elective	1	C
Upper Division Related Study Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Complete THF 101 OR THP 194: Understanding Acting OR THP 387 course(s).		
Maintain 2.50 GPA in Theatre and Film courses.		

- Students must take two credit hours of either FMP 380 Film Production Crew or FMP 484 Internship by the end of term 8 to meet this requirement.

Term hours subtotal: 15

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FMP 380: Film Production Crew OR FMP 484: Internship	1	C	<ul style="list-style-type: none"> <li>• Students must take two credit hours of either FMP 380 Film Production Crew or FMP 484 Internship to satisfy the requirement.</li> <li>• Start <b>networking</b>.</li> </ul>
★ THF 497: Senior Project	2	C	
Complete 2 courses: Upper Division Film Elective	6	C	
Screenwriting Course OR Film/Media Technology Course	3	C	
Upper Division Elective	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project	2	C	<ul style="list-style-type: none"> <li>• Upper Division Related Study Elective: Course cannot be from FMP, THE or THP subjects; must have "film" in the title.</li> <li>• Transfer students complete one additional hour of elective credit in term 8 to reach the university required 120 hours to graduate because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.</li> </ul>
Upper Division Film Elective	3	C	
Upper Division Related Study Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Screenwriting Course Options	Producing Course Options	Film/Media Technology Course Options
FMP 361: Intermediate Screenwriting	FMP 300: Film Production: Filmmaking Practices	DCE 240: Media for Dance (CS)
FMP 365: Developing a Series	FMP 318: Directing for Film and Media I	DCE 438: Dance Theatre Performance/Production
FMP 465: Series Writers Workshop	FMP 330: Professional and Technical Writing for Film/TV Industry	FMP 220: Film and Media Post-Production I
FMP 475: Producing Series	FMP 335: Careers in Film and Media Industry	FMP 225: Introduction to Visual Effects
FMP 494: Writing the Feature	FMP 370: Producing for Film and Media	FMP 240: Introduction to Animation for Film
FMS 302: U.S. Media Industries	FMP 411: Film Spark Engagement: Welcome to Hollywood	FMP 280: Introduction to Film and Media Production
FMS 309: Intermediate Screenwriting	FMP 417: Business and Legal Practices in Entertainment	FMP 320: Film and Media Post-Production II
FMS 340: Contemporary American Film and Popular Culture (HU)	FMP 418: Directing for Film and Media II	FMP 325: Guerilla VFX
FMS 394: Screenwriting for Television Part I	FMP 494: Video Production Lab	FMP 345: Cinematography I
FMS 409: Advanced Screenwriting	HDA 252: Foundations Arts and Design Entrepreneurship	FMP 394: Non-Linear Editing for Film and Media
FMS 409: Writing the Webisode	THP 351: Arts Management	FMP 494: Video Production Lab
FMS 411: Screenwriting Adaptation Studies		THP 213: Introduction to Technical Theatre
FMS 412: Story Analysis for Film and Television		THP 214: Introduction to Costuming
FMP 494: Dramatic Writers Workshop		

FMS 494: Film Adaptation

FMS 494: Screenwriting for Television Part 2

THP 394: Writing for Horror, SciFi, and Fantasy

THP 330: Costume Design

THP 340: Scene Design

THP 344: Drafting

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 442: Rendering for Design and Production

THP 445: Advanced Lighting Design

THP 455: Advanced Media Design

THP 494: Art Direction

THP 494: Properties for the Stage

#### Film Electives

FMP 294: Special Topics

FMP 394: Special Topics

FMP 404: World Cinema (G)

FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)

FMP 494: Special Topics

THE 406: American Multicultural Film (HU & C)

THE 421: Shakespeare: Stage and Film (L or HU)

THE 430: History of Fashion I (HU)

THE 431: History of Fashion II: 20th-Century Fashion

THP 452: Arts Entrepreneurship Seminar

THP 455: Advanced Media Design

FMP/THE/THP subjects with "film" in course title

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.50 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map





### Graphic Design, BSD






School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

ARGRABSD

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design majors complete DSC 100 to fulfill this requirement.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
 GRA 101: Designing Life	3	C	
 GRA 111: Graphic Design History I (HU)	3	C	
 GRA 121: Principles for Graphic Design I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GRA 112: Graphic Design History II	3	C	<ul style="list-style-type: none"> <li>Graphic Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit <a href="#">this website</a>.</li> </ul>
 GRA 122: Principles for Graphic Design II	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
Mathematics (MA)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GRA 220: Design Drawing I	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> </ul>
 GRA 221: Letterform	3	C	
 GRA 222: Visual Communication I	3	C	
 GRA 225: Communication/Interaction Design Theory	3	C	
Literacy and Critical Inquiry (L)	3		

❗ Complete Mathematics (MA) requirement.

❗ Milestone: Evaluation required.

Complete First-Year Composition requirement.

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

Term 4 46 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ GRA 223: Typography	3	C	• Complete an in person or virtual practice interview
❗ GRA 224: Visual Communication II	3	C	
Computer/Statistics/Quantitative Applications (CS) (INT 121 recommended)	3		
Natural Science - Quantitative (SQ)	4		
Elective	2		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 321: Technology for Design I	3	C	• Develop your skills
★ GRA 361: Visual Communication III	5	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 322: Technology for Design II	3	C	
★ GRA 362: Visual Communication IV	5	C	
ARS 300: Introduction to Art (HU)	3	C	
GRA 345: Design Rhetoric (L)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Summer 6 90 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 484: Internship	2	Y	
Term hours subtotal:	2		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 421: Exhibit Design	3	C	• Gather professional references
★ GRA 422: Motion Graphics and Interaction Design	3	C	
★ GRA 461: Visual Communication V	5	C	
Cultural Diversity in the U.S. (C)	3		

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 14

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 423: Advanced Interaction Design	3	C	
★ GRA 424: Advanced Media	3	C	
★ GRA 462: Visual Communication VI	5	C	
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Graphic Design, BSD

School/College: [Herberger Institute for Design and the Arts](#)

Location: [Online, ASU Local@Los Angeles](#)




ARGRABSD






Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Graphic Design majors complete DSC 100 to fulfill this requirement.</li> <li>Join a <a href="#">student club</a> or professional organization</li> </ul>
 GRA 101: Designing Life	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GRA 111: Graphic Design History I (HU)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
 GRA 121: Principles for Graphic Design I	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GRA 112: Graphic Design History II	3	C	<ul style="list-style-type: none"> <li>Graphic Design majors must successfully pass a degree milestone at the end of their first year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit <a href="#">this website</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GRA 122: Principles for Graphic Design II	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			







Minimum 2.75 GPA ASU Cumulative.




Term hours subtotal: 6

Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 220: Design Drawing I	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> </ul>
 GRA 221: Letterform	3	C	
Term hours subtotal:	6		


Term 3 - B 31 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 222: Visual Communication I	3	C	
 GRA 225: Communication/Interaction Design Theory	3	C	
 Complete Mathematics (MA) requirement.			
 Milestone: Evaluation required.			
Complete First-Year Composition requirement.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 4 - A 37 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 223: Typography	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual <b>practice interview</b></li> </ul>
PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	6		

Term 4 - B 43 - 50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 224: Visual Communication II	3	C	
Natural Science - Quantitative (SQ)	4		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 50 - 58 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 321: Technology for Design I	3	C	<ul style="list-style-type: none"> <li>GRA 361 is a Session C course (15 weeks long).</li> <li>Develop your <b>skills</b></li> </ul>
 GRA 361: Visual Communication III	5	C	
Term hours subtotal:	8		

Term 5 - B 58 - 64 Credit Hours	Hours	Minimum Grade	Notes
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 6 - A 64 - 72 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GRA 322: Technology for Design II	3	C	<ul style="list-style-type: none"> <li>GRA 362 is a Session C course (15 weeks long).</li> </ul>
 GRA 362: Visual Communication IV	5	C	
Term hours subtotal:	8		

Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ARS 300: Introduction to Art (HU)	3	C	
GRA 345: Design Rhetoric (L)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Summer 6 78 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 484: Internship	2	Y	
Term hours subtotal:	2		

Term 7 - A 80 - 88 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 421: Exhibit Design	3	C	
★ GRA 461: Visual Communication V	5	C	
Term hours subtotal:	8		<ul style="list-style-type: none"> <li>• GRA 461 is a Session C course (15 weeks long).</li> <li>• Gather professional references</li> </ul>

Term 7 - B 88 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 422: Motion Graphics and Interaction Design	3	C	
Cultural Diversity in the U.S. (C)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 8 - A 94 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 423: Advanced Interaction Design	3	C	
★ GRA 462: Visual Communication VI	5	C	
Term hours subtotal:	8		<ul style="list-style-type: none"> <li>• GRA 462 is a Session C course (15 weeks long).</li> </ul>

Term 8 - B 102 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 424: Advanced Media	3	C	
Elective	2		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	5		

Term 9 - A 107 - 114 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 9 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		

Term hours subtotal: 6

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Industrial Design, BSD

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

ARINDBSD

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design majors take DSC 100 to fulfill this requirement.</li> <li>Join a <a href="#">student club</a> or professional organization</li> </ul>
 DSC 101: Design Awareness (HU & G)	3	C	
 IND 120: Drawing for Industrial Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IND 121: Principles for Industrial Design I	3	C	<ul style="list-style-type: none"> <li>Industrial Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit <a href="#">this website</a>.</li> </ul>
 IND 122: Principles for Industrial Design II	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 236: Introduction to Computer Modeling (CS)	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">professional online presence</a></li> </ul>
 IND 227: Visual Methods for Problem Solving	3	C	
 IND 242: Materials and Design	3	C	
 IND 260: Industrial Design I	3	C	
ECN 212: Microeconomic Principles (SB)	3		

❗ Complete Mathematics (MA) requirement.

❗ Milestone: Evaluation required.

Complete First-Year Composition requirement.

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

Term 4 47 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ IND 228: Imaging and Visualization	3	C	• Complete an in person or virtual <b>practice interview</b>
❗ IND 243: Design for Ecology and Social Equity	3	C	
❗ IND 261: Industrial Design II	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 327: Presentation Graphics	3	C	• Develop your <b>skills</b>
★ IND 360: Industrial Design III	5	C	
IND 316: 20th-Century Design I (HU & H)	3	C	
IND 344: Human Factors in Design	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 328: Graphics for Industrial Design	3	C	• Summer Internship: students complete an internship between terms 6 and 7.
★ IND 361: Industrial Design IV	5	C	
IND 317: 20th-Century Design II (HU & H)	3	C	
IND 354: Principles of Product Design	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Summer 6 91 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 484: Internship	2	Y	
Term hours subtotal:	2		

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 460: Design Project I	5	C	• Summer Internship: students complete the internship between terms 6 and 7. • Gather <b>professional references</b>
★ IND 470: Professional Practice for Industrial Design (L)	3	C	
MKT 395: Essentials of Advertising and Marketing Communication OR Upper Division Approved Marketing Course	3		
Elective	3		

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 14

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 461: Design Project II	5	C	
ENG 301: Writing for the Professions (L)	3		
Cultural Diversity in the U.S. (C)	3		
Elective	2		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.















## 2021 - 2022 Major Map

### Interior Design, BSD

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

ARINTBSD

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 DSC 100: ASU Design Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design majors take DSC 100 to fulfill this requirement.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>	
 INT 111: Interior Design Issues and Theories (HU)	3	C		
 INT 120: Design Fundamentals I	3	C		
 INT 121: Introduction to Computer Modeling for Interior Design (CS)	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 170: Precalculus (MA)	3	C		
Minimum 3.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade		Notes
 INT 122: Principles of Design	3	C		<ul style="list-style-type: none"> <li>Interior Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit <a href="#">this website</a>.</li> </ul>
 INT 123: Introduction to Computer-Aided Design and Building Information Modeling	3	C		
 INT 124: Design Fundamentals II Lecture	1	C		
 INT 131: Design and Human Behavior (SB)	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Elective	2			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Minimum 3.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 INT 223: Drafting for Interior Design	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">professional online presence</a>.</li> </ul>	
 INT 261: Interior Design Studio I	3	C		
PHY 101: Introduction to Physics (SQ)	4	C		
Literacy and Critical Inquiry (L)	3			

❗ Complete Mathematics (MA) requirement.

❗ Milestone: Evaluation required.

Complete First-Year Composition requirement.

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 13

Term 4 44 - 58 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ INT 253: Interior Materials, Finishes, and Specifications	3	C	• Complete an in person or virtual practice interview.
❗ INT 262: Interior Design Studio II	3	C	
❗ INT 341: Interior Codes: Public Welfare and Safety	2	C	
ARS 102: Art from Renaissance to Modernism (HU & H)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
❗ Complete PHY 101 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 58 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ INT 362: Interior Design Studio III	5	C	• Develop your skills.
INT 310: History of Interior Design I (HU & H)	3	C	
INT 351: Ambient Environment	3	C	
INT 352: Construction Methods in Interior Design	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 72 - 86 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ INT 363: Interior Design Studio IV	5	C	
INT 311: History of Interior Design II (HU & H)	3	C	
INT 354: Construction Documents	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Summer 6 86 - 89 Credit Hours	Hours	Minimum Grade	Notes
INT 484: Internship	3	Y	• It is recommended students complete INT 484 Internship in the summer semester (summer 6), however, students can complete this course during term 7 (fall) or term 8 (spring).
Term hours subtotal:	3		

Term 7 89 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ INT 464: Interior Design Studio V	5	C	
INT 415: Latin American Design	3	C	



INT 471: Facilities Management	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

- It is recommended students complete INT 484 Internship in the summer semester (summer 6), however, students can complete this course during term 7 (fall) or term 8 (spring).
- Gather **professional references**.

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ INT 465: Interior Design Studio VI	5	C	<ul style="list-style-type: none"> <li>• It is recommended students complete INT 484 Internship in the summer semester (summer 6), however, students can complete this course during term 7 (fall) or term 8 (spring).</li> </ul>
INT 472: Professional Practice for Interior Design	2	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Global Awareness (G)	3		
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Landscape Architecture, BSLA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

ARPLABSLA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design School majors take DSC 100 to fulfill this requirement.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 ALA 121: Design Fundamentals I	3	C	
 DSC 100: ASU Design Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	<ul style="list-style-type: none"> <li>Students must submit an Intent to Continue form toward the end of Term 2. This form is available <a href="#">here</a>.</li> </ul>
 ALA 122: Design Fundamentals II	3	C	
 ALA 124: Design Fundamentals II Lecture	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LAP 231: Introduction to Digital Applications for Designers	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b></li> </ul>
 LDE 261: Landscape Architecture Design Fundamentals III	4	C	
GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	4		

LAP 311: History of Landscape Architecture (HU & H) 3 C

❗ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 14

Term 4 46 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ LAP 251: Plant Materials for Sustainable Landscapes	3	C	• Complete an in person or virtual practice interview.
❗ LDE 262: Landscape Architecture Design Fundamentals IV	4	C	
LAP 312: 20th-Century Landscape Architecture (HU)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
❗ Complete GPH 111 AND GPH 112 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 60 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LAP 341: Landscape Construction I	3	C	• Develop your skills.
★ LAP 353: Planting Design for Sustainable Landscapes	3	C	
★ LDE 361: Landscape Architecture I	5	C	
LAP 352: Ecosystems and Sustainable Design	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 74 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LAP 342: Landscape Construction II	3	C	
★ LAP 371: Professional Practice	1	C	
★ LDE 362: Landscape Architecture II	5	C	
LAP 332: GIS Applications in Environmental Design	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Summer 6 89 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LAP 484: Internship OR LAP 485: International Field Studies (G)	2	Y	
Term hours subtotal:	2		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LDE 461: Landscape Architecture III	5	C	• Gather professional references.
LAP 413: Landscape Architecture Theory and Criticism (L)	3	C	
Upper Division Design Professional Elective	3	C	
Elective	4		

Complete LAP 484 OR LAP 485 course(s).

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LAP 443: Landscape Construction III	3	C	
★ LDE 462: Landscape Architecture IV	5	C	
Upper Division Design Professional Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

#### Hide Course List(s)/Track Group(s)

Design Professional Elective

ADE OR ANP OR APH OR DSC OR GRA  
OR IND OR INT OR LAP OR LDE OR LPH  
OR LTC Upper Division Elective

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Music, BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSBA

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101: The ASU School of Music Experience is required of all freshman music majors.</li> <li>Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>See course list for MUP 4** Music Ensemble options.</li> <li>Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	17		
Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>See course list for MUP 4** Music Ensemble options.</li> <li>Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 33 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❖ MUP 111: Studio Instruction	2	C
❖ 4** MUP Music Ensemble	1	C
MTC 222: Music Theory: 19th Century	3	C
MUP 231: Class Piano	1	C
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4	
Natural Science - Quantitative (SQ)	4	
❖ Complete Mathematics (MA) requirement.		
❖ Complete MUP 131 by end of term 3.		
Complete First-Year Composition requirement.		
Term hours subtotal:	15	

- **ASU Language Placement:** Only true beginners are eligible for 101 level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- **Second Language:** Consult with advisor for approved list. It is recommended for Second Language 101 and 102 to be completed by the end of term 4.
- **Applicability of transfer credit for ensemble requirements and studio instruction** is determined based on successful completion of audition and review of transcripts.
- See course list for MUP 4\*\* Music Ensemble options.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101 level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• <b>Applicability of transfer credit for ensemble requirements and studio instruction</b> is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list for MUP 4** Music Ensemble options.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> <li>• Select a faculty mentor to guide your degree work.</li> </ul>
❖ 4** MUP Music Ensemble	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❖ Complete MUP 132 by end of term 4.			
Complete Second Language 101 and 102 by end of term 4.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MHL course (HU) Upper Division	3	C	<ul style="list-style-type: none"> <li>• MTC 320 offered in odd numbered fall semesters only.</li> <li>• MTC 422 offered in even numbered fall semesters only.</li> </ul>
MTC 320: Modal Counterpoint OR MTC 321: Tonal Counterpoint	2	C	
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4		
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3		
Literacy and Critical Inquiry (L)	3		
★ Complete MUP 231 by end of term 5.			
Term hours subtotal:	15		

Term 6 78 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MHL course (HU) Upper Division	3	C
Second Language: Requirement satisfied through the following:		
★ * Completion of a language course through the intermediate level (202 or equivalent).	4	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	3	C
Upper Division Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Complete MTC 320 OR MTC 321 by end of term 6.		
★ Complete MUP 232 by end of term 6.		
Complete Second Language 201 and 202 by end of term 6.		
Term hours subtotal:		13

- MTC 321 offered in even numbered spring semesters only.
- Gather a list of **professional references**.

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 422: Musical Acoustics	3	C	• MTC 422 offered in even numbered fall semesters only.
MHL course (L) Upper Division ( MHL 439 OR MHL 440 recommended)	3	C	
MHL OR MTC Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	3	C	
Elective	2		
Term hours subtotal:		14	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: MHL OR MTC Upper Division Elective	6	C	• Complete capstone project.
MHL Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:		15	

Hide Course List(s)/Track Group(s)

MUP Music Ensembles Course List	Upper Division MHL (HU) through present time course list: Choose 1 course (3 credits)	Upper Division MHL (HU) course list: Choose 1 course (3 credits)
MUP 442: Instrumental Ensembles	MHL 342: Music History II (HU)	MHL 341: Music History I (HU)
MUP 443: Choral Ensembles	MHL 344: Music in World Cultures (HU & G)	MHL 342: Music History II (HU)
MUP 444: Concert Winds	MHL 365: Popular Music and Race ((L or HU) & C)	MHL 344: Music in World Cultures (HU & G)
MUP 450: Choral Union	MHL 394: Music in the Middle East	MHL 365: Popular Music and Race ((L or HU) & C)
MUP 455: Arizona Statesmen		MHL 394: Music in the Middle East
MUP 457: Sol Singers		MHL 394: Music in the Middle East

MUP 458: ASU Gospel Choir	MHL 440: Topics in 20th-Century Music (L or HU)	MHL 394: Music in Renaissance Cities
MUP 479: Chamber Music Ensembles	MHL 494: Concerts in the 20th Century	MHL 439: Topics in 19th-Century Music ((L or HU) & H)
MUP 485: Percussion Ensemble	MHL 494: Music and Film	MHL 440: Topics in 20th-Century Music (L or HU)
MUP 486: Jazz Band	MHL 494: Music and Healing	MHL 494: Concerts in the 20th Century
MUP 489: Ethnomusicology Ensembles	MHL 494: Music of the Silk Road	MHL 494: Music and Film
	MHL 494: Recycled Music: Medieval to Modern	MHL 494: Music and Healing
		MHL 494: Music of the Silk Road
		MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Music (Music and Culture), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIMUSMCBA

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101: The ASU School of Music Experience is required of all freshman music majors.</li> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>See MHL faculty for approval of elective courses.</li> <li>See course list for MUP 4** Music Ensemble course options.</li> <li>Courses offered in fall semester only: MTC 125, MUP 131, MUP 101.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MHL 140: Sounds and Cultures (HU & G)	3	C	
 MTC 125: Basic Music Theory	3	C	
 MUP 101: The ASU School of Music Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MUP 111: Studio Instruction OR Elective	2	C	
MUP 131: Class Piano	1	C	
4** MUP Music Ensemble	1	C	
Mathematics (MA)	3		
Term hours subtotal:	17		
Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MTC 221: Music Theory: 18th Century	3	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>MHL 499: Individualized study is done by arrangement with a musicology faculty member</li> <li>See MHL faculty for approval of elective courses.</li> <li>Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 499: Individualized Instruction	1	C	
MUP 111: Studio Instruction OR Elective	2	C	
MUP 132: Class Piano	1	C	
4** MUP Music Ensemble	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 33 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

⚠ MHL 499: Individualized Instruction	1	C
⚠ MTC 222: Music Theory: 19th Century	3	C
MUP 111: Studio Instruction OR Elective	2	C
4** MUP Music Ensemble	1	C
MUP Elective ( MUP 231 recommended)	1	C
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4	
Natural Science - Quantitative (SQ)	4	
⚠ Complete Mathematics (MA) requirement.		
⚠ Complete MUP 131 by end of term 3.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

- Second Language: Consult with advisor for approved list. It is recommended for Second Language 101 and 102 to be completed by the end of term 4.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- MHL 499: Individualized study done by arrangement with a musicology faculty member.
- See MHL faculty for approval of elective courses.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 49 - 65 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MHL 499: Individualized Instruction	1	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• MHL 499: Individualized study done by arrangement with a musicology faculty member.</li> <li>• See MHL faculty for approval of elective courses.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> <li>• Select a faculty mentor to guide your degree work.</li> </ul>
⚠ MTC 223: Music Theory: 20th Century	3	C	
MUP 111: Studio Instruction OR Elective	2	C	
4** MUP Music Ensemble	1	C	
MUP Elective ( MUP 232 recommended)	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Complete MUP 132 by end of term 4.			
⚠ Complete Second Language 101 and 102 by end of term 4.			
⚠ Milestone: Rising Junior Milestone Interview			
Term hours subtotal:	16		

Term 5 65 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes	
★ MHL course (HU) Upper Division	3	C	<ul style="list-style-type: none"> <li>• MHL 339: Individualized bibliography study with instructor of Upper Division MHL course and MHL 499: Individualized study by arrangement with a musicology faculty member.</li> <li>• Two upper division MHL electives are required: 1 music through present time and 1 freedom of choice approved by the musicology faculty.</li> </ul>	
MHL 339: Undergraduate Bibliography I	1	C		
MHL 499: Individualized Instruction	1	C		
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4			
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3			
Literacy and Critical Inquiry (L)	3			
Upper Division Elective OR MTC Upper Division Elective	2	C		
Complete Second Language 201 and 202 by end of term 6.				
Term hours subtotal:	17			

Term 6 82 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL course (HU) Upper Division	3	C	<ul style="list-style-type: none"> <li>• MHL 340: Individualized bibliography study with instructor of Upper Division MHL course and MHL 499: Individualized study by arrangement with a musicology faculty member.</li> <li>• Two upper division MHL electives are required: 1 music through present time and 1 freedom of choice approved by the musicology faculty.</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
Second Language: Requirement satisfied through the following:			
★ * Completion of a language course through the intermediate level (202 or equivalent).	4		
MHL 340: Undergraduate Bibliography II	1	C	
MHL 499: Individualized Instruction	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective OR MTC Upper Division Elective	2	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 490: Capstone Project I: Undergraduate Thesis Research OR MHL 492: Honors Directed Study	3	C	<ul style="list-style-type: none"> <li>• MHL 490 or 492: Culminating original research project conducted with supervision of musicology faculty.</li> </ul>
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR MHL 484: Internship OR MDC 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	12		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 491: Capstone Project II: Undergraduate Thesis OR MHL 493: Honors Thesis (L)	3	C	<ul style="list-style-type: none"> <li>• MHL 491 or 493: Culminating original research project conducted with supervision of musicology faculty.</li> <li>• Complete capstone project.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

MUP Music Ensembles Course List	Upper Division MHL (HU) through present time course list: Choose 1 course (3 credits)	Upper Division MHL (HU) course list: Choose 1 course (3 credits)
MUP 442: Instrumental Ensembles	MHL 342: Music History II (HU)	MHL 341: Music History I (HU)
MUP 443: Choral Ensembles	MHL 344: Music in World Cultures (HU & G)	MHL 342: Music History II (HU)
MUP 444: Concert Winds	MHL 365: Popular Music and Race ((L or HU) & C)	MHL 344: Music in World Cultures (HU & G)
MUP 450: Choral Union	MHL 394: Music in the Middle East	MHL 365: Popular Music and Race ((L or HU) & C)
MUP 455: Arizona Statesmen	MHL 440: Topics in 20th-Century Music (L or HU)	MHL 394: Music in the Middle East
MUP 457: Sol Singers		
MUP 458: ASU Gospel Choir		

MUP 479: Chamber Music Ensembles	MHL 494: Concerts in the 20th Century	MHL 394: Music in Renaissance Cities
MUP 485: Percussion Ensemble	MHL 494: Music and Film	MHL 439: Topics in 19th-Century Music ((L or HU) & H)
MUP 486: Jazz Band	MHL 494: Music and Healing	MHL 440: Topics in 20th-Century Music (L or HU)
MUP 489: Ethnomusicology Ensembles	MHL 494: Music of the Silk Road	MHL 494: Concerts in the 20th Century
	MHL 494: Recycled Music: Medieval to Modern	MHL 494: Music and Film
		MHL 494: Music and Healing
		MHL 494: Music of the Silk Road
		MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map





### Music (Popular Music), BA

School/College: [Herberger Institute for Design and the Arts](#)






Location: [Downtown Phoenix campus](#), [Tempe campus](#)





HIMUSPMBA




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101: The ASU School of Music Experience is required of all first-year music majors.</li> <li>Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Performers will take MUP 111 and MUP 441.</li> <li>Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music, Dance and Theatre courses.			
 MSC 443: Popular Music Forum	1	C	
 MSC Elective OR MUP 111: Studio Instruction	2	C	
 MUP 101: The ASU School of Music Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MSC 221: Popular Music Lab OR MUP 441: Popular Music Ensemble	1	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	15		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MSC 443: Popular Music Forum	1	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Non-performers will take 1 credit of MSC 221 Popular Music Lab and 1 credit of MUP 441 Live Sound and Stage Tech. Alternatively, non-performance students can take THP 294: Stage Technology to fulfill both requirements.</li> <li>Students who auditioned as performers are required to take a minimum of 2 semesters of both MUP 111 Studio Instruction and MUP 441 Popular Music Ensemble.</li> <li>Courses offered in spring semester only: MTC 221.</li> </ul>
 MSC Elective OR MUP 111: Studio Instruction	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MSC 221: Popular Music Lab	1	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 441: Live Sound and Stage Technology OR MUP 441: Popular Music Ensemble	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

- Familiarize yourself with information about **musicians' health**.

<b>Term 3 32 - 46 Credit Hours</b> Critical course signified by 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 MSC 443: Popular Music Forum	1	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in fall semester only: MTC 222.</li> <li>• Participate in at least two ensemble performances.</li> </ul>
 MSC Elective OR MUP 111: Studio Instruction	2	C	
MSC 221: Popular Music Lab OR MUP 441: Live Sound and Stage Technology OR MUP 441: Popular Music Ensemble	1	C	
MTC 222: Music Theory: 19th Century Literacy and Critical Inquiry (L)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
 Complete MUP 131 by end of term 3.			
Complete First-Year Composition requirement.			
Term hours subtotal:	14		

<b>Term 4 46 - 61 Credit Hours</b> Critical course signified by 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 MSC 443: Popular Music Forum	1	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Complete Popular Music Specialization sheet with a faculty mentor to guide your degree work.</li> <li>• Courses offered in spring semester only: MTC 223.</li> <li>• Select a faculty mentor to guide your degree work.</li> </ul>
 MSC Elective OR MUP 111: Studio Instruction	2	C	
MSC 221: Popular Music Lab OR MUP 441: Popular Music Ensemble	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MSC Elective	2	C	
Computer/Statistics/Quantitative Applications (CS) (MHL 201 recommended)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Milestone: Rising Junior Milestone Interview			
Term hours subtotal:	15		

<b>Term 5 61 - 77 Credit Hours</b> Necessary course signified by 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 MSC 443: Popular Music Forum	1	C	<ul style="list-style-type: none"> <li>• Students must take three upper-division MHL courses. Students must take one course each from the "Music History: 1900-Present" and "Music History: Music + Geographies" track groups, and one MHL elective.</li> <li>• Students must take one upper-division MTC elective.</li> <li>• The upper-division MHL and MTC electives may be taken in a different order than shown on the major map, however, they are all required.</li> <li>• In Terms 5-8 and in consultation with faculty, students must enroll in a minimum of 14 credits of MSC 474: Popular Music Specialization. Six credits must be completed by the end of Term 6. Students may need to enroll in MSC 474 more than once during the same term.</li> </ul>
 Upper Division Music History: 1900-Present AND Upper Division Humanities, Arts and Design (HU)	3	C	
MSC 451: Popular Music Industry Studies I	2	C	
MSC 474: Popular Music Specialization	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MSC 443: Popular Music Forum	1	C	<ul style="list-style-type: none"> <li>• Students must take three upper-division MHL courses. Students must take one course each from the "Music History: 1900-Present" and "Music History: Music + Geographies" track groups, and one MHL elective.</li> <li>• Students must take one upper-division MTC elective.</li> <li>• The upper-division MHL and MTC electives may be taken in a different order than shown on the major map, however, they are all required.</li> <li>• In Terms 5-8 and in consultation with faculty, students must enroll in a minimum of 14 credits of MSC 474: Popular Music Specialization. Six credits must be completed by the end of Term 6. Students may need to enroll in MSC 474 more than once during the same term.</li> <li>• Gather a list of <a href="#">professional references</a>.</li> </ul>
★ Upper Division Music History (Music + Geographies)	3	C	
MSC 452: Popular Music Industry Studies II	2	C	
MSC 474: Popular Music Specialization	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Milestone: Rising Senior Milestone Interview			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MSC 489: Popular Music Capstone Project	3	C	<ul style="list-style-type: none"> <li>• Students must take three upper-division MHL courses. Students must take one course each from the "Music History: 1900-Present" and "Music History: Music + Geographies" track groups, and one MHL elective.</li> <li>• Students must take one upper-division MTC elective.</li> <li>• The upper-division MHL and MTC electives may be taken in a different order than shown on the major map, however, they are all required.</li> <li>• In Terms 5-8 and in consultation with faculty, students must enroll in a minimum of 14 credits of MSC 474: Popular Music Specialization. Students may need to enroll in MSC 474 more than once during the same term.</li> </ul>
MSC 474: Popular Music Specialization	4	C	
MTC Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	2		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MSC 489: Popular Music Capstone Project	3	C	<ul style="list-style-type: none"> <li>• Students must take three upper-division MHL courses. Students must take one course each from the "Music History: 1900-Present" and "Music History: Music + Geographies" track groups, and one MHL elective.</li> <li>• Students must take one upper-division MTC elective.</li> <li>• The upper-division MHL and MTC electives may be taken in a different order than shown on the major map, however, they are all required.</li> <li>• In Terms 5-8 and in consultation with faculty, students must enroll in a minimum of 14 credits</li> </ul>
MSC 474: Popular Music Specialization	4	C	
MHL Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	13		



of MSC 474: Popular Music Specialization.  
 Students may need to enroll in MSC 474 more than once during the same term.

- Complete capstone project.

Hide Course List(s)/Track Group(s)

Music History: 1900-Present	Music History: Music + Geographies
MHL 342: Music History II (HU)	MHL 344: Music in World Cultures (HU & G)
MHL 365: Popular Music and Race ((L or HU) & C)	MHL 394: Music in the Middle East
MHL 440: Topics in 20th-Century Music (L or HU)	MHL 440: Topics in 20th-Century Music (L or HU)
MHL 494: American Aesthetics after 1960	MHL 494: Jazz Musicians as Composers
MHL 494: Concerts in the 20th Century	MHL 494: Music of the Silk Road
MHL 494: Jazz Musicians as Composers	
MHL 494: Music and Film	
MHL 494: Opera and Music Theater Since 1950	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map








### Music Learning and Teaching, **BMUS**







School/College: Herberger Institute for Design and the Arts







Location: Tempe campus





FAMUSEBM

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUE 101: The ASU School of Music Experience required of all freshman music education majors.</li> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>MUP 131: Class Piano must be taken rather than MUP 133: Class Voice unless piano is primary instrument.</li> <li>Students may use up to 2 semesters of MUP 461: Marching and Athletic Bands towards degree (optional).</li> <li>Courses offered fall semester only: MTC 125, MUE 101, MUP 131, MUP 133.</li> <li>Complete <b>resume</b> in MUE 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MTC 125: Basic Music Theory	3	C	
 MUE 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MUP 131: Class Piano OR MUP 133: Class Voice	1	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MTC 221: Music Theory: 18th Century	3	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Students are expected to perform in at least one large ensemble per semester in semesters 1-4.</li> <li>Apply for Identity Verified Print (IVP) fingerprint clearance card, required by state law for participation in internships in K-12 grade schools <b>DPS IVP fingerprint clearance card</b>.</li> <li>Courses offered in spring semester only: MTC 221, MUE 110, MUE 154, MUP 132, MUP 134.</li> <li>Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUE 110: Introduction to Music Education	2	C	
 MUE 154: Gesture and Sound	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MUP 132: Class Piano OR MUP 134: Class Voice	1	C	
Mathematics (MA)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MTC 222: Music Theory: 19th Century	3	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Refer to course list and consult with faculty mentor regarding MUE 3***: Lab Course selection. MUE 319 Digital and Hybrid Lab is required (can be taken during Term 3 or Term 4).</li> <li>• Courses offered in fall semester only: MTC 222, MUE 323, MUE 325.</li> <li>• Talk to your studio instructor about ways to enhance your performance skills; participate in at least two large ensemble performances.</li> </ul>
 MUP 111: Studio Instruction	2	C	
 MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
 Complete 2 courses: Upper Division MUE 3***: Lab Course	4	C	
MHL 201: Media Literacy for Musicians (CS) OR AME 111: Introduction to Digital Culture (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			
Term hours subtotal:	17		

Term 4 47 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MTC 223: Music Theory: 20th Century	3	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Meet with your Advisor early in the semester to submit an "Intent to Progress" form that notifies Teachers College you will be ready to enroll in your first internship the following term. You will upload a copy of your IVP FPC with this form, required by state law. Teachers College will then invite you to attend their mandatory Professional Pathways Orientation.</li> <li>• GCU 113 meets US and AZ Constitution requirements for teaching certification.</li> <li>• Refer to course list and consult with faculty mentor regarding MUE 3***: Lab Course selection. MUE 319 Digital and Hybrid Lab is required (can be taken during Term 3 or Term 4).</li> <li>• Courses offered in spring semester only: MTC 223, MUE 321.</li> <li>• Create and continue to add to a professional online portfolio.</li> </ul>
 MUP 111: Studio Instruction	2	C	
 MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
 Complete 2 courses: Upper Division MUE 3***: Lab Course	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3		
 Milestone: All Music Education students must successfully complete the intent to progress application for the Teachers College Professional Pathways Program this semester. Milestone: All Music Education students must audition with Music Education Faculty during this term. Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Refer to course list and consult with faculty mentor regarding MUE 4***: Art of Teaching course selection.</li> <li>• Students are expected to perform in at least one large ensemble per semester in semesters 5-7.</li> <li>• Please see Upper Division MHL course lists for options - at least 1 Upper Division MHL needs to be through present time.</li> <li>• Courses offered in fall semesters only: MUE 481.</li> </ul>
 SED 396: Clinical Experience I	1	C	
 MHL course (HU) Upper Division	3	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
TEL 315: Child and Adolescent Development (L or SB)	3	C	
Upper Division MUE 4***: The Art of Teaching course	4	B	
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 14

- Courses offered in rotations: MUE 413 (every fall and even springs), MUE 415 (every fall and odd springs).
- Gather a list of **professional references**.

Term 6 78 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Refer to course list and consult with faculty mentor regarding MUE 4**: Art of Teaching course selection.</li> <li>• Please see Upper Division MHL course lists for options - at least 1 Upper Division MHL needs to be through present time.</li> <li>• Courses offered in spring semester only: MUE 480, MUE 482.</li> <li>• Courses offered in rotations: MUE 413 (every fall and even springs), MUE 415 (every fall and odd springs).</li> <li>• Complete <b>internships</b> at two different schools.</li> </ul>
★ SED 397: Clinical Experience II	1	C	
★ MHL course (HU) Upper Division	3	C	
MUE 161: Introduction to Music Therapy	2	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
Upper Division MUE 4**: The Art of Teaching course	4	B	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Refer to course list and consult with faculty mentor regarding MUE 4**: Art of Teaching course selection.</li> </ul>
★ SED 496: Clinical Experience III	1	C	
BLE 407: SEI for Secondary Students (L)	3	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles	1	C	
MUP 495: Performance	0	C	
Upper Division MUE 4**: The Art of Teaching course	4	B	
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>• Take the AEP/NES Professional Knowledge Test in term 8 (secondary recommended; necessary for teacher certification).</li> <li>• Your student teaching residency requires a full-time commitment in the K-12th grade classroom for the semester.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

The Art of Teaching course list: Choose 3 courses (12 hours)	MUE Lab course list: Choose 4 courses (8 hours)	Upper Division MHL (HU) through present time course list: Choose 1 course (3 credits)
	Required:	MHL 342: Music History II (HU)

MUE 413: The Art of Teaching Children Music	MUE 319: Digital and Hybrid Lab	MHL 344: Music in World Cultures (HU & G)
MUE 415: The Art of Teaching Contemporary Musicians	Choose 3 additional courses:	MHL 365: Popular Music and Race ((L or HU) & C)
MUE 480: The Art of Teaching Choral Musicians	MUE 317: Strings Lab	MHL 394: Music in the Middle East
MUE 481: The Art of Teaching Beginning Instrumentalists	MUE 321: Jazz Lab	MHL 440: Topics in 20th-Century Music (L or HU)
MUE 482: The Art of Teaching Advanced Instrumentalists	MUE 323: Keyboard Lab	MHL 494: Concerts in the 20th Century
	MUE 325: Voice/Choral Lab	MHL 494: Music and Film
	MUE 327: Brass Lab	MHL 494: Music and Healing
	MUE 334: Guitar Lab	MHL 494: Music of the Silk Road
	MUE 336: Percussion Lab	MHL 494: Recycled Music: Medieval to Modern
	MUE 337: Woodwinds Lab	
	MUE 394: Popular Music Lab for Teachers	
Upper Division MHL (HU) course list: Choose 1 course (3 credits)		
MHL 341: Music History I (HU)		
MHL 342: Music History II (HU)		
MHL 344: Music in World Cultures (HU & G)		
MHL 365: Popular Music and Race ((L or HU) & C)		
MHL 394: Music in the Middle East		
MHL 394: Music in Renaissance Cities		
MHL 439: Topics in 19th-Century Music ((L or HU) & H)		
MHL 440: Topics in 20th-Century Music (L or HU)		
MHL 494: Concerts in the 20th Century		
MHL 494: Music and Film		
MHL 494: Music and Healing		
MHL 494: Music of the Silk Road		
MHL 494: Recycled Music: Medieval to Modern		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map




### Music Therapy, **BMUS**

School/College: Herberger Institute for Design and the Arts







Location: Tempe campus





FAMUSTHBM





Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• MUE 101: ASU School of Music Experience is required of all first-year music therapy majors.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list below for MUP 4** Music Ensemble course options. Students should complete 4 large ensembles and 2 small ensembles.</li> <li>• For statistics, students may choose PSY 230 or STP 226; if students choose PSY 230, they must complete MAT 119 or higher for Mathematics (MA) requirement.</li> <li>• Courses offered in fall semester only: MTC 125, MUE 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUE 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUE 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUE 335: Educational Methods for Guitar	1	C	
MUP 131: Class Piano	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
Mathematics (MA)	3	C	
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list below for MUP 4** Music Ensemble course options.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
PSY 101: Introduction to Psychology (SB)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

		Minimum	
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Term 3 31 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 MUE 161: Introduction to Music Therapy	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list below for MUP 4** Music Ensemble course options.</li> <li>• Courses offered in fall semester only: MTC 222, MUE 162, MUP 133, MUP 231.</li> <li>• Talk to your studio instructor about ways to enhance your performance skills; participate in at least two large ensemble performances.</li> </ul>
 MUE 162: Introduction to Music Therapy Lab	1	C	
 MUP 111: Studio Instruction	2	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 133: Class Voice	1	C	
MUP 231: Class Piano	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
CDE 232: Human Development (SB)	3		
SOC 101: Introductory Sociology (SB)	3		
 Complete MTC 125 AND MUP 131.			
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	17		

Term 4 48 - 64 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUE 261: Music Therapy Treatment Process	3	C	<ul style="list-style-type: none"> <li>• Students must pass a jury in term 4 to be eligible for MUP 311.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• See course list below for MUP 4** Music Ensemble course options.</li> <li>• Courses offered in spring semester only: MTC 223, MUE 260, MUE 261, MUP 134, MUP 232.</li> <li>• Participate in clinical work at ASU's Music Therapy Clinic.</li> </ul>
 MUP 111: Studio Instruction	2	C	
MTC 223: Music Theory: 20th Century	3	C	
MUE 260: Repertoire for Music Therapy	2	C	
MUP 134: Class Voice	1	C	
MUP 232: Class Piano	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3		
 Complete MTC 221 AND MUP 132.			
Term hours subtotal:	16		

Term 5 64 - 80 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MUE 384: Therapy Practicum I	1	C	<ul style="list-style-type: none"> <li>• Please see Upper Division MHL course lists for options - at least 1 Upper Division MHL needs to be through present time.</li> <li>• A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list below for options.</li> <li>• See course list below for MUP 4** Music Ensemble course options.</li> <li>• Courses offered in fall semesters only: MUE 467.</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
 MUE 467: Music Therapy Theory and Practice I	3	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		
PSY 366: Abnormal Psychology (SB)	3		
MHL course (HU) Upper Division	3	C	
Upper Division Advanced Performance Course	1-2	C	
 Complete MTC 222 AND MUP 231.			
Term hours subtotal:	16-17		

		Minimum	
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Term 6 80 - 94 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ MUE 385: Therapy Practicum II	1	C	<ul style="list-style-type: none"> <li>• Please see Upper Division MHL course lists for options - at least 1 Upper Division MHL needs to be through present time.</li> <li>• A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list below for options.</li> <li>• See course list below for MUP 4** Music Ensemble course options.</li> <li>• Courses offered in spring semesters only: MUE 381, MUE 463.</li> <li>• Complete two clinical experiences.</li> </ul>
★ MUE 463: Music Therapy Theory and Practice II	3	C	
MUE 381: Music Therapy Research (L)	3	C	
MUE 434: Health Rhythms Drum Facilitation	2	C	
MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble	1	C	
MHL Upper Division Elective	3	C	
Upper Division Advanced Performance Course	1-2	C	
★ Complete MTC 223 AND MUP 232.			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14-15		

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUE 386: Therapy Practicum III	2	C	<ul style="list-style-type: none"> <li>• A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list below for options.</li> <li>• Courses offered in fall semester only: MUE 441, MUE 475.</li> </ul>
BIO 160: Introduction to Anatomy and Physiology (SQ)	4		
MUE 441: Psychology of Music	3	C	
MUE 475: Group Process and Music Therapy	3	C	
Upper Division Advanced Performance Course	1-2	C	
Term hours subtotal:	13-14		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUE 387: Therapy Practicum IV	2	C	<ul style="list-style-type: none"> <li>• A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list below for options.</li> <li>• Complete clinical experiences and apply for a formal internship.</li> <li>• Students register for MUE 476 (6-month internship) in the last semester and complete it after finishing all coursework for the degree. Degree is posted after completion of all requirements and the internship.</li> </ul>
★ MUE 476: Internship in Music Therapy	1	C	
DCE Elective	2		
Upper Division Advanced Performance Course	1-2	C	
Upper Division Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	13-14		

Hide Course List(s)/Track Group(s)

Advanced Performance Course List	4** MUP Music Ensembles Course List	Upper Division MHL (HU) course list: Choose 1 course (3 credits)
MUP 311: Studio Instruction	MUP 442: Instrumental Ensembles	MHL 341: Music History I (HU)
MUP 321: Studio Instruction	MUP 443: Choral Ensembles	MHL 342: Music History II (HU)

MUP 417: Applied Jazz Improvisation	MUP 458: ASU Gospel Choir	MHL 344: Music in World Cultures (HU & G)
MUP 479: Piano Ensemble	MUP 479: Chamber Music Ensembles	MHL 365: Popular Music and Race ((L or HU) & C)
MUP 485: Percussion Ensemble	MUP 486: Jazz Band	MHL 394: Music in the Middle East
MUP 489: Ethnomusicology Ensembles		MHL 394: Music in Renaissance Cities
		MHL 439: Topics in 19th-Century Music ((L or HU) & H)
		MHL 440: Topics in 20th-Century Music (L or HU)
		MHL 494: Concerts in the 20th Century
		MHL 494: Music and Film
		MHL 494: Music and Healing
		MHL 494: Music of the Silk Road
		MHL 494: Recycled Music: Medieval to Modern

MHL Upper Division Elective through present time course list: Choose 1 course (3 credits)

MHL 342: Music History II (HU)

MHL 344: Music in World Cultures (HU & G)

MHL 365: Popular Music and Race ((L or HU) & C)

MHL 394: Music in the Middle East

MHL 440: Topics in 20th-Century Music (L or HU)

MHL 494: Concerts in the 20th Century

MHL 494: Music and Film

MHL 494: Music and Healing

MHL 494: Music of the Silk Road

MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.
















## 2021 - 2022 Major Map

### Performance (Collaborative Piano), **BMUS**

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPPBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101: The ASU School of Music Experience is required of all freshman music majors.</li> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered fall semester only: MTC 125, MUP 101.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 479: Piano Ensemble	1	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
Mathematics (MA)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in spring semester only: MTC 221.</li> <li>Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 479: Piano Ensemble	1	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for studio instruction is determined based on successful</li> </ul>
 MUP 250: Diction for Singers	1	C	

❖ MUP 479: Piano Ensemble	1	C
MTC 222: Music Theory: 19th Century	3	C
Computer/Statistics/Quantitative Applications (CS) (MHL 201 recommended)	3	
Natural Science - Quantitative (SQ)	4	
❖ Complete MTC 125 by end of term 3.		
❖ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

completion of audition and review of transcripts.

- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years.
- MUP 250 Italian Diction is offered in odd numbered fall semesters only.
- MUP 250 German Diction is offered in even numbered spring semesters only.
- MUP 250 French Diction is offered in even numbered fall semesters only.
- Courses offered in fall semester only: MTC 222.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 47 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Audition is required after term 4 to continue into MUP 337: Collaborative Piano Studio.</li> <li>• Courses offered in spring semester only: MTC 223.</li> </ul>
MTC 223: Music Theory: 20th Century	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❖ Complete MTC 221 by end of term 4.			
Term hours subtotal:	14		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 495: Performance	0	Y	<ul style="list-style-type: none"> <li>• Course offered in fall semester only: MUP 210.</li> </ul>
★ MHL course (HU) Upper Division	3	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
★ Complete MTC 222 by end of term 5.			
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 495: Performance	0	Y	<ul style="list-style-type: none"> <li>• MTC 428, MUP 451: Piano Chamber Music, and MUP 453 are offered in odd numbered spring semesters only.</li> <li>• Certain studios may require an additional semester of repertoire; please check with your studio professor.</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
★ MHL course (HU) Upper Division	3	C	
MTC 428: Advanced Form and Analysis	3	C	
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	

MUP 451: Piano Chamber Music	2	C
MUP 453: Art Song Repertoire OR MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	2	C
★ Complete MTC 223 by end of term 6.		
★ Complete MUP 209 OR MUP 210 by end of term 6.		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 496: Performance	0	Y	• Prepare, publicize, and present a public performance.
MHL course (L) Upper Division	3	C	
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	
MUP 487: Collaborative Piano	1	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	3	C	
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 496: Performance	0	Y	• MUP 453 offered in odd spring semesters only.
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	
MUP 453: Art Song Repertoire OR MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	2	C	
Complete 2 courses: MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	4	C	
Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

MUP 4** Ensembles Course List	Upper Division MHL (HU) Pre-1900 course list: Choose 1 course (3 credits)	Upper Division MHL (HU) through present time course list: Choose 1 course (3 credits)
MUP 443: Choral Ensembles	MHL 341: Music History I (HU)	MHL 342: Music History II (HU)
MUP 450: Choral Union	MHL 394: Music in Renaissance Cities	MHL 344: Music in World Cultures (HU & G)
MUP 455: Arizona Statesmen	MHL 439: Topics in 19th-Century Music ((L or HU) & H)	MHL 365: Popular Music and Race ((L or HU) & C)
MUP 457: Sol Singers		
MUP 479: Chamber Music Ensembles		

MUP 485: Percussion Ensemble

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MUP 486: Jazz Band

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MUP 489: Ethnomusicology Ensembles

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MHL 394: Music in the Middle East

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MHL 440: Topics in 20th-Century Music (L or HU)

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MHL 494: Concerts in the 20th Century

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MHL 494: Music and Film

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MHL 494: Music and Healing

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MHL 494: Music of the Silk Road

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MHL 494: Recycled Music: Medieval to Modern

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map





### Performance (Guitar), **BMUS**




School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPGBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• MUP 101: The ASU School of Music Experience required of all first-year music majors.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 479: Guitar Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 479: Guitar Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	
 MUP 479: Guitar Ensemble	1	C	



MTC 222: Music Theory: 19th Century	3	C
MUP 231: Class Piano	1	C
Computer/Statistics/Quantitative Applications (CS) (MHL 201 recommended)	3	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
❖ Complete Mathematics (MA) requirement.		
❖ Complete MTC 125 AND MUP 131 course(s).		
Complete First-Year Composition requirement.		
Term hours subtotal:	15	

- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 46 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• For Music Elective options, please refer to Recommended Music Electives list.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> </ul>
❖ MUP 479: Guitar Ensemble	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❖ Complete MTC 221 AND MUP 132 course(s).			
Term hours subtotal:	15		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL course (HU) Upper Division	3	C	<ul style="list-style-type: none"> <li>• One semester of counterpoint is required. Choose from MTC 320 (modal - odd fall semesters) or MTC 321 (tonal - even spring semesters). Complete by end of term 6.</li> <li>• Courses offered in fall semester only: MTC 320 (odd numbered fall semesters only), MUP 210.</li> </ul>
★ MUP 327: Studio Instruction	4	C	
★ MUP 479: Guitar Ensemble	1	C	
MTC 320: Modal Counterpoint OR MTC 321: Tonal Counterpoint	2	C	
MUP 210: Beginning Instrumental Conducting OR MUP 209: Beginning Choral Conducting	1	C	
Natural Science - Quantitative (SQ)	4		
★ Complete MTC 222 AND MUP 231 course(s).			
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL course (HU) Upper Division	3	C	<ul style="list-style-type: none"> <li>• MTC 321 offered in even numbered spring semesters only.</li> <li>• Gather a list of professional references.</li> </ul>
★ MUP 327: Studio Instruction	4	C	
★ MUP 479: Guitar Ensemble	1	C	
★ MUP 495: Performance	0	Y	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Complete MTC 223 AND MUP 232 course(s).			

★ Complete MTC 320 OR MTC 321.

Term hours subtotal: 15

Term 7 91 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>For Music Elective options, please refer to Recommended Music Electives list.</li> </ul>
★ MUP 479: Guitar Ensemble	1	C	
MUP 481: Performance Pedagogy and Materials	2	C	
MHL course (L) Upper Division	3	C	
Complete 2 courses: MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	6	C	
Term hours subtotal: 16			

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>For Music Elective options, please refer to Recommended Music Electives list.</li> <li>Prepare, publicize, and present a public performance.</li> </ul>
★ MUP 479: Guitar Ensemble	1	C	
★ MUP 496: Performance	0	Y	
MUP 451: Repertoire	2	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	3	C	
Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal: 13			

Hide Course List(s)/Track Group(s)

Recommended Music Electives	Upper Division MHL (HU) course list: Choose 1 course (3 credits)	Upper Division MHL (HU) through present time course list: Choose 1 course (3 credits)
MHL 201: Media Literacy for Musicians (CS)	MHL 341: Music History I (HU)	MHL 342: Music History II (HU)
MHL 439: Topics in 19th-Century Music ((L or HU) & H)	MHL 342: Music History II (HU)	MHL 344: Music in World Cultures (HU & G)
MHL 440: Topics in 20th-Century Music (L or HU)	MHL 344: Music in World Cultures (HU & G)	MHL 365: Popular Music and Race ((L or HU) & C)
MUP 340: Intermediate Conducting	MHL 365: Popular Music and Race ((L or HU) & C)	MHL 394: Music in the Middle East
MUP 451: Repertoire	MHL 394: Music in Renaissance Cities	MHL 440: Topics in 20th-Century Music (L or HU)
	MHL 394: Music in the Middle East	MHL 494: Concerts in the 20th Century
	MHL 439: Topics in 19th-Century Music ((L or HU) & H)	MHL 494: Music and Film
	MHL 440: Topics in 20th-Century Music (L or HU)	MHL 494: Music and Healing
	MHL 494: Concerts in the 20th Century	MHL 494: Music of the Silk Road
	MHL 494: Music and Film	MHL 494: Recycled Music: Medieval to Modern
	MHL 494: Music and Healing	

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MHL 494: Music of the Silk Road

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MHL 494: Recycled Music: Medieval to Modern

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map







### Performance (Jazz), BMUS

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPJBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>• MUP 101: The ASU School of Music Experience is required of all first-year music majors.</li> <li>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>• Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 117: Applied Jazz Improvisation	1	C	
 MUP 479: Jazz Combo	1	C	
 MUP 479: Jazz Studio Classes	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	16		

Term 2 16 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 221, MTC 440, MUP 132.</li> <li>• Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 117: Applied Jazz Improvisation	1	C	
 MUP 479: Jazz Combo	1	C	
 MUP 479: Jazz Studio Classes	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MTC 440: Jazz Theory and Ear Training	2	C	
MUP 132: Class Piano	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Term hours subtotal: 17

Term 3 33 - 47 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by term 3 will negatively impact ability to complete degree in four years.</li> <li>• Courses offered in fall semester only: MTC 222, MUP 235.</li> <li>• Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.</li> </ul>
⚠ MUP 217: Applied Jazz Improvisation	2	C	
⚠ MUP 479: Jazz Combo	1	C	
⚠ MUP 479: Jazz Studio Classes	1	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 235: Jazz Piano	1	C	
Natural Science - Quantitative (SQ)	4		
⚠ Complete Mathematics (MA) requirement.			
⚠ Complete MTC 125 AND MUP 131.			
Complete First-Year Composition requirement.			
Term hours subtotal:	14		

Term 4 47 - 64 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 236.</li> </ul>
⚠ MUP 217: Applied Jazz Improvisation	2	C	
⚠ MUP 479: Jazz Combo	1	C	
⚠ MUP 479: Jazz Studio Classes	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 236: Jazz Piano	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
⚠ Complete MTC 221 AND MUP 132.			
Term hours subtotal:	17		

Term 5 64 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes	
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• MTC 415 offered in fall semesters only.</li> </ul>	
★ MUP 417: Applied Jazz Improvisation	2	C		
★ MHL course (HU) Upper Division	3	C		
MTC 415: Scoring for Instrumental Jazz Ensembles I	2	C		
MUP 479: Jazz Combo	1	C		
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	3	C		
Computer/Statistics/Quantitative Applications (CS) (MHL 201 recommended)	3			
★ Complete MTC 222 AND MUP 235 course(s).				
Term hours subtotal:	16			

Term 6 80 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Courses offered in spring semester only: MTC 416, MUP 319.</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
★ MUP 417: Applied Jazz Improvisation	2	C	

★ MUP 495: Performance	0	Y
★ MHL course (HU) Upper Division	3	C
MTC 416: Scoring for Instrumental Jazz Ensembles II	2	C
MUP 319: Advanced Audio Engineering in the Arts	2	C
MUP 479: Jazz Combo	1	C
Literacy and Critical Inquiry (L)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Complete MTC 223 AND MUP 236 course(s).		
Term hours subtotal:	15	

Term 7 95 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	• Prepare, publicize, and present a public performance.
MUP 486: Jazz Band	1	C	
MHL course (L) Upper Division	3	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	3	C	
Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	12		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	• Course offered in spring semester only: MTC 441.
★ MUP 495: Performance	0	Y	
MTC 441: Jazz Composition	2	C	
MUP 486: Jazz Band	1	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	2	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

Upper Division MHL (HU) through present time course list: Choose 1 course (3 credits)	Upper Division MHL (HU) course list: Choose 1 course (3 credits)
MHL 342: Music History II (HU)	MHL 341: Music History I (HU)
MHL 344: Music in World Cultures (HU & G)	MHL 342: Music History II (HU)
MHL 365: Popular Music and Race ((L or HU) & C)	MHL 344: Music in World Cultures (HU & G)
MHL 394: Music in the Middle East	MHL 365: Popular Music and Race ((L or HU) & C)
MHL 440: Topics in 20th-Century Music (L or HU)	MHL 394: Music in the Middle East
	MHL 394: Music in Renaissance Cities

MHL 494: Concerts in the 20th Century	MHL 439: Topics in 19th-Century Music (L or HU) & H)
MHL 494: Music and Film	
MHL 494: Music and Healing	MHL 440: Topics in 20th-Century Music (L or HU)
MHL 494: Music of the Silk Road	MHL 494: Concerts in the 20th Century
MHL 494: Recycled Music: Medieval to Modern	MHL 494: Music and Film
	MHL 494: Music and Healing
	MHL 494: Music of the Silk Road
	MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map




### Performance (Keyboard), **BMUS**



School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPKBM

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Freshman music majors take MUP 101: The ASU School of Music Experience.</li> <li>For MUP 4** Ensemble course options, choose from a variety of ensemble experiences - see course lists at bottom of map. Students receiving Music Scholarships should register for MUP 487 in Term 1.</li> <li>Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in fall semester only: MTC 125, MUP 101.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
4** MUP Ensembles	1	C	
Mathematics (MA)	3		
Term hours subtotal:	15		

Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>For MUP 4** Ensemble course options, you need to select at least 1 ensemble from each of the below categories: (1) Small Ensemble, (2) Large Ensemble, (3) Choral Ensemble, &amp; (4) Jazz, Ethno, World Music, or Popular Music Ensemble. Courses available in each category are listed at the bottom of this major map.</li> <li>Course offered in spring semester only: MTC 221.</li> <li>Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
4** MUP Ensembles	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	



MTC 222: Music Theory: 19th Century	3	C
4** MUP Ensembles	1	C
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3	
Natural Science - Quantitative (SQ)	4	
🚩 Complete MTC 125.		
🚩 Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Term hours subtotal:	15	

- Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.
- For MUP 4\*\* Ensemble course options, you need to select at least 1 ensemble from each of the below categories: (1) Small Ensemble, (2) Large Ensemble, (3) Choral Ensemble, & (4) Jazz, Ethno, World Music, or Popular Music Ensemble. Courses available in each category are listed at the bottom of this major map.
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by the end of term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 47 - 62 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• For MUP 4** Ensemble course options, you need to select at least 1 ensemble from each of the below categories: (1) Small Ensemble, (2) Large Ensemble, (3) Choral Ensemble, &amp; (4) Jazz, Ethno, World Music, or Popular Music Ensemble. Courses available in each category are listed at the bottom of this major map.</li> <li>• Course offered in spring semester only: MTC 223.</li> </ul>
MTC 223: Music Theory: 20th Century	3	C	
4** MUP Ensembles	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
🚩 Complete MTC 221.			
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• <b>Pedagogy and Repertoire:</b> Students must complete MUP 451 Piano Lit I, MUP 451 Piano Lit II, and MUP 481 Piano Beginner to complete this requirement. Courses can be taken in any order.</li> <li>• <b>Students who enter in an odd catalog year will take the courses in this sequence:</b> MUP 451 Piano Lit I (odd fall, term 5), MUP 451 Piano Lit II (even spring, term 6), MUP 481 Piano Beginner (even fall, term 7).</li> <li>• <b>Students who enter in an even catalog year will take the courses in this sequence:</b> MUP 481 Piano Beginner (even fall, term 5), MUP 451 Piano Lit I (odd fall, term 7), MUP 451 Piano Lit II (even spring, term 8).</li> <li>• Courses offered in fall semester only: MTC 425, MUP 210, MUP 487.</li> </ul>
★ MHL course (HU) Upper Division	3	C	
MTC 425: Studies in 20th- and 21st-Century Theory	3	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
MUP 451: Piano Lit I OR MUP 481: Piano: Beginner	2	C	
MUP 479: Piano Ensemble	1	C	
MUP 487: Collaborative Piano	1	C	
★ Complete MTC 222.			
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• MUP 451 Piano Chamber Music (odd springs) and/or MUP 482 Intermediate (odd springs) recommended for upper division music elective.</li> <li>• MUP 451 Piano Lit II is offered in even springs.</li> <li>• Course offered in spring semester only: MUP 440 (odd numbered spring semesters only).</li> <li>• Recommended Electives for the 21st-Century Keyboard Musician: MUP451: Repertoire - Contemporary, MUP484: Applied Piano Technology, MUP438 The Enterprising Musician, MSC194: Music Production I, MSC294: Music Production II, MUP451: Repertoire - Schoenberg.</li> <li>• Gather a list of <b>professional references</b>.</li> </ul>
★ MUP 495: Performance	0	Y	
★ MHL course (HU) Upper Division	3	C	
MUP 121: Organ OR MUP 121: Harpsichord	1	C	
MUP 440: Keyboard Harmony	1	C	
MUP 451: Piano Lit II OR MDC OR MHL OR MTC OR MUE OR MUP OR MSC Upper Division Elective	2	C	
MUP 479: Piano Ensemble	1	C	
MDC OR MHL OR MTC OR MUE OR MUP OR MSC Elective	3	C	
★ Complete MTC 223.			
★ Complete MUP 209 OR MUP 210.			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• MUP 451 Piano Lit I is offered in odd-numbered fall semesters.</li> <li>• MUP 481 Piano Beginner is offered in even-numbered fall semesters.</li> <li>• Course offered in fall semester only: MUP 487.</li> <li>• Recommended Electives for the 21st-Century Keyboard Musician: MUP451: Repertoire - Contemporary, MUP484: Applied Piano Technology, MUP438 The Enterprising Musician, MSC194: Music Production I, MSC294: Music Production II, MUP451: Repertoire - Schoenberg.</li> </ul>
MHL course (L) Upper Division	3	C	
MUP 451: Piano Lit I OR MUP 481: Piano: Beginner	2	C	
MUP 487: Collaborative Piano	1	C	
MDC OR MHL OR MTC OR MUE OR MUP OR MSC Elective	3	C	
Term hours subtotal:	13		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• MUP 451 Piano Chamber Music (odd spring semesters) and/or MUP 482 Intermediate (odd spring semesters) recommended for upper division music elective.</li> <li>• MUP 451 Piano Lit II is offered in even spring semesters.</li> <li>• Prepare, publicize, and present a public performance.</li> </ul>
★ MUP 496: Performance	0	Y	
MUP 451: Piano Lit II OR MDC OR MHL OR MTC OR MUE OR MUP OR MSC Upper Division Elective	2	C	
MHL Upper Division Elective	3	C	
MDC OR MHL OR MTC OR MUE OR MUP OR MSC Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Upper Division MHL (HU) through present time course list: Choose 1 course (3 credits)	Upper Division MHL (HU) Pre-1900 course list: Choose 1 course (3 credits)	Jazz, Ethno, World Music, or Popular Music Ensemble
MHL 342: Music History II (HU)	MHL 341: Music History I (HU)	MUP 441: Popular Music Ensemble
MHL 344: Music in World Cultures (HU & G)	MHL 394: Music in Renaissance Cities	MUP 458: ASU Gospel Choir
MHL 365: Popular Music and Race (L or HU) & C)	MHL 439: Topics in 19th-Century Music ((L or HU) & H)	MUP 485: Steel Band
MHL 394: Music in the Middle East		MUP 486: Jazz Band
MHL 440: Topics in 20th-Century Music (L or HU)		MUP 489: Ethnomusicology Ensembles
MHL 494: Concerts in the 20th Century		
MHL 494: Music and Film		
MHL 494: Music and Healing		
MHL 494: Music of the Silk Road		
MHL 494: Recycled Music: Medieval to Modern		
Small Ensemble	Choral Ensemble	Large Instrumental Ensemble
MUP 460: The Visiting Quartet Residency Program	MUP 443: Choral Ensembles	MUP 442: Instrumental Ensembles
MUP 476: New Music Ensemble	MUP 450: Choral Union	MUP 476: New Music Ensemble
MUP 479: Chamber Music Ensembles	MUP 455: Arizona Statesmen	MUP 485: Percussion Ensemble
	MUP 457: Sol Singers	
	MUP 458: ASU Gospel Choir	
	MUP 459: Barrett Choir	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map





### Performance (Music Theatre), **BMUS**

School/College: Herberger Institute for Design and the Arts









Location: Tempe campus







FAMUSPMBM






Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. All freshman music majors take MUP 101: The ASU School of Music Experience to satisfy the First Year Seminar requirement.</li> <li>Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Music Theatre I - VIII must be taken in sequence in the semesters indicated.</li> <li>Courses offered in fall semester only: MTC 125, MUP 101, MUP 131, MUP 170.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 170: Music Theatre I	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
MUP 467: Music Theatre Dance Technique	1	C	
Mathematics (MA)	3		
Term hours subtotal:	16		


Term 2 16 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in spring semester only: MTC 221, MUP 132, MUP 172.</li> <li>Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 172: Music Theatre II	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
MUP 467: Music Theatre Dance Technique	1	C	
THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals OR MUP 494: Music Theatre Acting and Movement	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	18		

Minimum

Term 3 34 - 49 Credit Hours Critical course signified by 	Hours	Grade	Notes
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• MUP 373: Music Theatre majors must audition for all productions, adhere to departmental audition policies, and complete 10 technical hours per semester.</li> <li>• DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.</li> <li>• Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years.</li> <li>• Courses offered in fall semester only: MTC 222, MUP 231, MUP 270.</li> <li>• Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.</li> </ul>
 MUP 270: Music Theatre III	2	C	
 MUP 373: Music Theatre Performance and Production	1	C	
 MUP 374: Technical Production I (Foundations)	1	C	
 DCE Movement Elective	2	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 231: Class Piano	1	C	
Literacy and Critical Inquiry (L)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 49 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 MUP 111: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• MUP 373: Music Theatre majors must audition for all productions, adhere to departmental audition policies, and complete 10 technical hours per semester.</li> <li>• DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 272.</li> </ul>	
 MUP 272: Music Theatre IV	2	C		
 MUP 373: Music Theatre Performance and Production	1	C		
 MUP 374: Technical Production II (Practicum)	1	C		
 DCE Movement Elective	2	C		
MTC 223: Music Theory: 20th Century	3	C		
Natural Science - Quantitative (SQ)	4			
Term hours subtotal:	15			

Term 5 64 - 80 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MUP 311: Studio Instruction	2	C	<ul style="list-style-type: none"> <li>• MUP 373: Music Theatre majors must audition for all productions, obtain permission to participate in off-campus productions, and complete 10 technical hours per semester.</li> <li>• DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.</li> <li>• Courses offered in fall semester only: MUP 360, MUP 370, MUP 471.</li> </ul>
 MUP 370: Music Theatre V	2	C	
 MUP 373: Music Theatre Performance and Production	1	C	
 MHL course (HU) Upper Division	3	C	
MUP 360: Musicianship for Singers	1	C	
MUP 471: Audition Training (Musical Theatre)	1	C	
DCE Movement Elective	2	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 80 - 94 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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★ MUP 311: Studio Instruction	2	C
★ MUP 373: Music Theatre Performance and Production	1	C
★ MUP 465: Music Theatre VI	2	C
★ MHL course (HU) Upper Division	3	C
MUP 451: Music Theatre Repertoire	2	C
DCE Movement Elective	1-2	C
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	14-15	

- MUP 373: Music Theatre majors must audition for all productions, adhere to departmental audition policies, and complete 10 technical hours per semester.
- DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.
- Courses offered in spring semester only: MUP 451: Music Theatre Repertoire, MUP 465.
- Certain studios may require an additional semester of repertoire; please check with your studio professor.
- Gather a list of **professional references**.

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	
★ MUP 373: Music Theatre Performance and Production	1	C	
★ MUP 470: Music Theatre VII	2	C	
MUP 466: Broadway Dance	2	C	
MHL OR MTC OR MUP OR MUE OR MDC OR THF OR THP OR MSC Upper Division Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	13		

- MUP 373: Music Theatre majors must audition for all productions, adhere to departmental audition policies, and complete 10 technical hours per semester.
- Courses offered in fall semester only: MUP 470.
- Prepare, publicize, and present a public performance.

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	
★ MUP 373: Music Theatre Performance and Production	1	C	
★ MUP 472: Music Theatre VIII	2	C	
MUP 466: Broadway Dance	2	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	13		

- MUP 373: Music Theatre majors must audition for all productions, adhere to departmental audition policies, and complete 10 technical hours per semester.
- Courses offered in spring semester only: MUP 472.

Hide Course List(s)/Track Group(s)

DCE Movement Electives	Upper Division MHL (HU) through present time course list: Choose 1 course (3 credits)	Upper Division MHL (HU) course list: Choose 1 course (3 credits)
DCE 110: Argentine Tango I	MHL 342: Music History II (HU)	MHL 341: Music History I (HU)
DCE 120: Contemporary/Modern I	MHL 344: Music in World Cultures (HU & G)	MHL 342: Music History II (HU)
DCE 121: Ballet I	MHL 365: Popular Music and Race ((L or HU) & C)	MHL 344: Music in World Cultures (HU & G)
DCE 122: Jazz I	MHL 394: Music in the Middle East	MHL 365: Popular Music and Race ((L or HU) & C)
DCE 123: Nonmajors Hip Hop I		
DCE 124: Latin/Swing/Ballroom I		

MHL 394: Music in the Middle East

DCE 125: Afro-Latin Salsa I	MHL 440: Topics in 20th-Century Music (L or HU)	MHL 394: Music in Renaissance Cities
DCE 126: Country-Western		MHL 439: Topics in 19th-Century Music ((L or HU) & H)
DCE 133: Hip Hop I	MHL 494: Concerts in the 20th Century	
DCE 134: Postmodern Contemporary I	MHL 494: Music and Film	MHL 440: Topics in 20th-Century Music (L or HU)
DCE 135: Contemporary Ballet I	MHL 494: Music and Healing	
DCE 136: Somatic Practices I	MHL 494: Music of the Silk Road	MHL 494: Concerts in the 20th Century
DCE 139: Afro-Latin Movement Practices I	MHL 494: Recycled Music: Medieval to Modern	MHL 494: Music and Film
DCE 194: Tap		MHL 494: Music and Healing
DCE 210: Argentine Tango II		MHL 494: Music of the Silk Road
DCE 220: Contemporary/Modern II		MHL 494: Recycled Music: Medieval to Modern
DCE 221: Ballet II		
DCE 224: Latin/Swing/Ballroom II		
DCE 225: Afro-Latin/Salsa II		
DCE 239: Afro-Latin Movement Practices II		
DCE 294: Jazz Practices		
DCE 324: Latin/Swing/Ballroom III		
DCE 394: Jazz III		
DCE 339: Afro-Latin Movement Practices III		
DCE 494: Latin/Salsa IV		
MUP 494: Music Theatre Dance: Tap I		
MUP 494: Music Theatre Dance: Tap II		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)



General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Performance (Orchestral Instrument), **BMUS**

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPOBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. All freshmen take MUP 101: The ASU School of Music Experience to satisfy the First Year Seminar requirement.</li> <li>Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 442: Instrumental Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 442: Instrumental Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	
 MUP 442: Instrumental Ensembles	1	C	

MTC 222: Music Theory: 19th Century	3	C
MUP 231: Class Piano	1	C
Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
❖ Complete Mathematics (MA) requirement.		
❖ Complete MTC 125 AND MUP 131 course(s).		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

Term 4 47 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MUP 127: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> </ul>
❖ MUP 442: Instrumental Ensembles	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❖ Complete MTC 221 AND MUP 132 course(s).			
Term hours subtotal:	16		

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.</li> <li>• MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.</li> <li>• Course offered in fall semester only: MUP 210.</li> </ul>
★ MHL course (HU) Upper Division	3	C	
MUP 210: Beginning Instrumental Conducting	1	C	
MUP 442: Instrumental Ensembles	1	C	
MUP 479: Chamber Music Ensembles	1	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	3	C	
Computer/Statistics/Quantitative Applications (CS) (MHL 201 recommended)	3		
★ Complete MTC 222 AND MUP 231 course(s).			
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.</li> <li>• MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.</li> <li>• Gather a list of professional references.</li> </ul>
★ MUP 495: Performance	0	Y	
★ MHL course (HU) Upper Division	3	C	
MUP 442: Instrumental Ensembles	1	C	
MUP 479: Chamber Music Ensembles	1	C	
MHL OR MTC OR MUE OR MUP OR MDC OR MSC Upper Division Elective	2	C	
Literacy and Critical Inquiry (L)	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Complete MTC 223 AND MUP 232 course(s).

Term hours subtotal: 14

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.</li> <li>MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.</li> <li>Certain studios may require an additional semester of repertoire; please check with your studio professor.</li> <li>Prepare, publicize, and present a public performance.</li> </ul>
MHL course (L) Upper Division	3	C	
MUP 442: Instrumental Ensembles	1	C	
MUP 451: Repertoire	2	C	
MUP 479: Chamber Music Ensembles	1	C	
Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	14		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.</li> <li>MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.</li> </ul>
★ MUP 496: Performance	0	Y	
MUP 442: Instrumental Ensembles	1	C	
MUP 479: Chamber Music Ensembles	1	C	
MUP 481: Performance Pedagogy and Materials	2	C	
MHL OR MTC OR MUE OR MUP OR MDC OR MSC Upper Division Elective	3	C	
Elective	2		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

Upper Division MHL (HU) through present time course list: Choose 1 course (3 credits)	Upper Division MHL (HU) course list: Choose 1 course (3 credits)
MHL 342: Music History II (HU)	MHL 341: Music History I (HU)
MHL 344: Music in World Cultures (HU & G)	MHL 342: Music History II (HU)
MHL 365: Popular Music and Race ((L or HU) & C)	MHL 344: Music in World Cultures (HU & G)
MHL 394: Music in the Middle East	MHL 365: Popular Music and Race ((L or HU) & C)
MHL 440: Topics in 20th-Century Music (L or HU)	MHL 394: Music in the Middle East
MHL 494: Concerts in the 20th Century	MHL 394: Music in Renaissance Cities
MHL 494: Music and Film	MHL 439: Topics in 19th-Century Music ((L or HU) & H)

MHL 494: Music and Healing	MHL 440: Topics in 20th-Century Music (L or HU)
MHL 494: Music of the Silk Road	MHL 494: Concerts in the 20th Century
MHL 494: Recycled Music: Medieval to Modern	MHL 494: Music and Film
	MHL 494: Music and Healing
	MHL 494: Music of the Silk Road
	MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Performance (Voice), **BMUS**

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSPVBM

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. All first-year students take MUP 101: The ASU School of Music Experience to satisfy the First-Year Seminar requirement.</li> <li>Completion of Piano Diagnostic Exam determines placement into Class Piano course.</li> <li>Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>One year of high school language in Italian, French, or German recommended.</li> <li>Courses offered in fall semester only: MTC 125, MUP 101, MUP 131, MUP 170.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: School of Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music courses.			
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Voice	2	C	
 MUP 443: Choral Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
MUP 170: Music Theatre I	2	C	
Mathematics (MA)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MUP 111: Voice	2	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in spring semester only: MTC 221, MUP 132, MUP 172.</li> <li>Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MUP 443: Choral Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
MUP 172: Music Theatre II	2	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

◆ FRE 101: Elementary French I (G) OR GER 101: Elementary German I (G) OR ITA 101: Elementary Italian I (G)	4	C
◆ MUP 111: Voice	2	C
◆ MUP 443: Choral Ensembles	1	C
MTC 222: Music Theory: 19th Century	3	C
MUP 231: Class Piano	1	C
MUP 250: Diction for Singers	1	C
Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended)	3	
◆ Complete MTC 125 AND MUP 131.		
◆ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Term hours subtotal:	15	

- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- All students must complete FRE 101, GER 101, & ITA 101. One semester may be waived with review of high school transcript -- see advisor.
- MUP 250 sequence: Italian is offered in odd-numbered fall semesters, German is offered in even-numbered spring semesters, and French is offered in even-numbered fall semesters.
- Students who start in an even-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 3: Italian, German, French.
- Students who start in an odd-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 5: Italian, German, French.
- Failure to complete MTC 125 by the end of term 3 will impact ability to complete degree in 4 years.
- Courses offered in fall semester only: MTC 222, MUP 231.

Term 4 46 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ FRE 101: Elementary French I (G) OR GER 101: Elementary German I (G) OR ITA 101: Elementary Italian I (G)	4	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• All students must complete FRE 101, GER 101, &amp; ITA 101. One semester may be waived with review of high school transcript -- see advisor.</li> <li>• Complete required Second Language 101 courses by the end of term 6.</li> <li>• MUP 250 sequence: Italian is offered in odd-numbered fall semesters, German is offered in even-numbered spring semesters, and French is offered in even-numbered fall semesters.</li> <li>• Courses offered in spring semester only: MTC 223, MUP 232.</li> <li>• Talk to your studio instructor about ways to enhance your performance skills.</li> <li>• Participate in at least two large ensemble performances and perform in studio class.</li> </ul>
◆ MUP 127: Studio Instruction	4	C	
◆ MUP 443: Choral Ensembles	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
MUP 250: Diction for Singers	1	C	
Literacy and Critical Inquiry (L)	3		
◆ Complete MTC 221 AND MUP 132.			
Term hours subtotal:	17		

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	<ul style="list-style-type: none"> <li>• All students must complete FRE 101, GER 101, &amp; ITA 101. One semester may be waived with review of high school transcript -- see advisor.</li> </ul>
★ Upper Division MHL - Cross-Historical AND Upper Division Humanities, Arts and Design (HU)	3	C	

FRE 101: Elementary French I (G) OR GER 101: Elementary German I (G) OR ITA 101: Elementary Italian I (G)	4	C
MUP 250: Diction for Singers	1	C
MUP 360: Musicianship for Singers	1	C
MUP 443: Choral Ensembles	1	C
MUP 481: Performance Pedagogy and Materials OR MUP 451: Opera Repertoire	2	C
★ Complete MTC 222 AND MUP 231.		
Term hours subtotal:	16	

- MUP 250 sequence: Italian is offered in odd-numbered fall semesters, German is offered in even-numbered spring semesters, and French is offered in even-numbered fall semesters.
- Students starting in an even-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 3: Italian, German, French.
- Students starting in an odd-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 5: Italian, German, French.
- Students must complete 6 hours total of Pedagogy and Repertoire courses. MUP 451, MUP 453, and MUP 481 are required.
- Course offered in fall semester only: MUP 451.
- Courses offered in even-numbered fall semesters: MUP 481.
- Courses offered in odd-numbered spring semesters: MUP 453.

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	
★ MUP 495: Performance	0	Y	
★ Upper Division MHL course AND Upper Division Humanities, Arts and Design (HU)	3	C	
MUP 443: Choral Ensembles	1	C	
MUP 453: Art Song Repertoire	2	C	
Natural Science - Quantitative (SQ)	4		
★ Complete MTC 223 AND MUP 232.			
★ Complete Second Language 101.			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

- MHL 440 is offered in fall only and MHL 439 is offered in spring only.
- Courses offered in odd-numbered spring semesters: MUP 453.
- Gather a list of **professional references**.

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	
MUP 443: Choral Ensembles	1	C	
MUP 481: Performance Pedagogy and Materials OR MUP 451: Opera Repertoire	2	C	
MHL course (L) Upper Division	3	C	
Upper Division MUP Elective (MUP 471 recommended)	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
★ Complete MUP 451 AND MUP 481 course(s).			
Term hours subtotal:	14		

- MHL 440 is offered in fall only and MHL 439 is offered in spring only.
- Courses offered in fall semester only: MUP 451.
- Courses offered in even-numbered fall semesters: MUP 481.

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MUP 327: Studio Instruction	4	C
★ MUP 496: Performance	0	Y
MUP 443: Choral Ensembles	1	C
MUP 471: Opera Scenes	1	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Upper Division Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
Term hours subtotal:		13

- Courses offered in odd-numbered spring semesters: MUP 453.
- Prepare, publicize, and present a public performance.
- Apply for **full-time career opportunities**.

Hide Course List(s)/Track Group(s)

Upper Division MHL (HU) course list: Choose 1 course (3 credits)	Upper Division MHL - Cross-Historical course list: Choose 1 course (3 credits)
MHL 341: Music History I (HU)	MHL 342: Music History II (HU)
MHL 342: Music History II (HU)	MHL 494: Music and Healing
MHL 344: Music in World Cultures (HU & G)	MHL 494: Recycled Music: Medieval to Modern
MHL 365: Popular Music and Race ((L or HU) & C)	
MHL 394: Music in the Middle East	
MHL 394: Music in Renaissance Cities	
MHL 439: Topics in 19th-Century Music ((L or HU) & H)	
MHL 440: Topics in 20th-Century Music (L or HU)	
MHL 494: Concerts in the 20th Century	
MHL 494: Music and Film	
MHL 494: Music and Healing	
MHL 494: Music of the Silk Road	
MHL 494: Recycled Music: Medieval to Modern	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Performance and Movement - Dance and Theatre, BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

HIPERMVBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 160: Creative Practice I	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THF 125/DCE 170 fulfills this requirement.</li> </ul>
 DCE 170: First-Year Seminar I OR THF 125: Orientation to Film, Dance and Theatre	1	C	
 Physical Practice Courses	2-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
DCE 136: Somatic Practices I	2	C	
Mathematics (MA)	3		
Elective	2		
Term hours subtotal:	16-17		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THF 126: Professional Development: Communication and Collaboration.	2	C	<ul style="list-style-type: none"> <li>Students are expected to reach the advanced level (3**) of at least one of the Physical Practices. Plan your Physical Practices courses to be able to do that in term 6</li> <li>Join an <b>organization</b> and/or participate in an off-campus performance project.</li> </ul>
 Physical Practice Courses	2-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling (HU)	3	C	
Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 recommended)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Physical Practice Courses	3	C	
DCE 201: Dance, Culture, and Global Contexts (HU) OR DCE 202: Dance in U.S. Popular Culture (HU & C) OR THF 220: Principles of Dramatic Analysis (L or HU)	3	C	
Lower Division Creative Practice Courses	3-4	C	

Natural Science - Quantitative (SQ)	4
Elective	2
🚩 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	15-16

Term 4 46 - 61 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 Physical Practice Courses	2-3	C	• Develop your skills
HDA 252: Foundations Arts and Design Entrepreneurship	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15-16		

Term 5 61 - 74 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Community Engagement and Education Courses	3	C	• Students are expected to reach the advanced level of one of the Physical Practices next term.
Upper Division Production and Technical Courses	1-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	13-15		

Term 6 74 - 90 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ THF 397: Professional Development Seminar	1	C	• Prepare for your optional internship next semester. • Internships are strongly encouraged.
Upper Division History and Context	3	C	
Upper Division Physical Practice Courses	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	16		

Term 7 90 - 104 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ DCE 484: Internship OR FMP 484: Internship OR THP 484: Internship OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective OR DCE Upper Division Elective	3	C	• Start networking professionally. • Internships are strongly encouraged.
⭐ Upper Division Creative Practice	2-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) ( DCE 405 OR THE 440 recommended)	3		

Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
Term hours subtotal:	14-15

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DCE 461: Transition Project II OR THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project	2-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Elective	2		
Term hours subtotal:	16-17		

Hide Course List(s)/Track Group(s)

Physical Practice Courses	Upper Division Physical Practice Courses	Upper Division Production and Technical Courses
DCE 110: Argentine Tango I	DCE 324: Latin/Swing/Ballroom III	DCE 438: Dance Theatre Performance/Production
DCE 111: Belly Dance I	DCE 333: Hip Hop III	MUP 373: Music Theatre Performance and Production
DCE 112: Capoeira I	DCE 334: Postmodern Contemporary III	MUP 374: Music Theatre Technical Production
DCE 113: Dances of Africa I	DCE 335: Contemporary Ballet III	THP 301: Production
DCE 114: Dances of India I	DCE 336: Somatic Practices III	THP 317: Stage Management
DCE 117: Feldenkrais I	DCE 338: Hip Hop Ensemble	THP 331: Costume Construction
DCE 120: Contemporary/Modern I	DCE 339: Afro-Latin Movement Practices III	THP 332: Makeup
DCE 121: Ballet I	IAP 331: Performance, Acting, and the Individual	THP 335: Advanced Stagecraft
DCE 122: Jazz I	MUP 370: Music Theatre V	THP 345: Lighting Design
DCE 123: Nonmajors Hip Hop I	MUP 465: Music Theatre VI	THP 350: Sound Design
DCE 124: Latin/Swing/Ballroom I	MUP 466: Broadway Dance	THP 355: Media Design for Performance
DCE 125: Afro-Latin Salsa I	MUP 470: Music Theatre VII	THP 401: Theatre Practicum
DCE 126: Country-Western	MUP 471: Music Theatre: Workshops	THP 435: Technical Direction
DCE 133: Hip Hop I	MUP 472: Music Theatre VIII	THP 442: Rendering for Design and Production
DCE 134: Postmodern Contemporary I	THP 301: Acting Mainstage	THP 448: AutoCAD for Live Entertainment
DCE 135: Contemporary Ballet I	THP 302: Acting III: Advanced Techniques	THP 449: AutoCAD 3D for Live Entertainment
DCE 136: Somatic Practices I	THP 307: Acting: Ten-Minute Plays	THP 451: Student Production Board II
DCE 139: Afro-Latin Movement Practices I	THP 372: Acting: Advanced Movement	
DCE 210: Argentine Tango II	THP 377: Acting: Voice and Speech	
DCE 211: Belly Dance II	THP 387: Screen Acting	
DCE 220: Contemporary/Modern II		

DCE 221: Ballet II	THP 420: Acting: Solo and Collaborative Performance	
DCE 222: Jazz II	THP 482: Theatre for Social Change (C)	
DCE 223: Nonmajors Hip Hop II	THP 483: Acting: Viewpoints and Composition	
DCE 224: Latin/Swing/Ballroom II	THP 489: Acting: Audition Techniques and Career Development	
DCE 225: Afro-Latin/Salsa II		
DCE 233: Hip Hop II		
DCE 234: Postmodern Contemporary II		
DCE 236: Somatic Practices II		
DCE 239: Afro-Latin Movement Practices II		
MUP 170: Music Theatre I		
MUP 172: Music Theatre II		
MUP 270: Music Theatre III		
MUP 272: Music Theatre IV		
MUS 146: Singing for Nonmajors I		
THF 101: Acting Introduction		
THP 102: Acting I: Fundamentals		
THP 202: Acting II: Meisner Technique		
THP 272: Introduction to Stage Movement		
THP 277: Acting: Introduction to Voice		
<b>Creative Practice Courses</b>	<b>Upper Division History and Context</b>	<b>Upper Division Community Engagement and Education Courses</b>
ART 116: Introduction to Digital Media	DCE 300: Dancing Histories (HU)	ART 442: Art and Community
ART 216: Contemporary Art in Practice: Methods, Making, Meaning	DCE 301: Dance Analysis and Theory (L or HU)	DCE 350: Dance in the Classroom: Learning Through Movement (HU)
DCE 161: Creative Practice II	DCE 302: History of American Hip Hop Dance	DCE 354: Creative Approaches to Teaching Dance I
DCE 240: Media for Dance (CS)	DCE 306: History of Salsa: Afro-Latin Social and Global Contexts (HU & C)	DCE 356: Creative Approaches to Teaching Dance II
DCE 260: Second-Year Creative Practices I	DCE 402: Ethnography of Dance Practices (L)	FMP 417: Business and Legal Practices in Entertainment
DCE 261: Second-Year Creative Practices II	DCE 404: Dance and Ethics (L)	HDA 310: Socially Engaged Practice
DCE 262: Rhythmic Theory for Dance I	DCE 405: Writing the Creating Body (L or HU)	HDA 311: Work and Careers in the Cultural and Creative Industries
FMP 201: Film: The Creative Process I (HU)	THE 320: History of the Theatre I (HU & H)	HDA 420: Design and the Arts Business Administration
FMP 255: Media Authorship (CS)	THE 321: History of the Theatre II (HU & H)	THE 325: Play Reading for Educational Theatre
FMP 261: Principles of Screenwriting	THE 322: Theatre History and Culture (HU & H)	THE 480: Methods of Teaching Theatre
FMP 280: Introduction to Film and Media Production	THE 325: Play Reading for Educational Theatre	THP 311: Creative Drama with Youth (L)
HDA 210: Creativity and Innovation in Design and the Arts		
MUS 100: Fundamentals of Music Notation		

MTC 125: Basic Music Theory	THE 421: Shakespeare: Stage and Film (L or HU)	THP 351: Arts Management
MUS 145: Nonmajors Class Piano: Beginner	THE 422: Latinx Theatre and Film (HU & C)	THP 411: Methods of Teaching Drama
THP 213: Introduction to Technical Theatre	THE 423: African American Theatre (C)	THP 450: Theatre Organization and Management
THP 214: Introduction to Costuming	THE 426: Pre-Columbian Theatre of the Americas	THP 482: Theatre for Social Change (C)
THP 218: Directing I: Introduction to Directing	THE 429: Studies in European Literature and Culture ((L or HU) & G & H)	
THP 260: Introduction to Playwriting	THE 430: History of Fashion I (HU)	
	THE 431: History of Fashion II: 20th-Century Fashion	
	THE 440: Experimental Theatre and Performance (L)	
<b>Upper Division Creative Practices</b>		
ART 443: Intermedia Performance		
DCE 360: Third-Year Creative Practices I		
DCE 361: Third-Year Creative Practices II		
DCE 460: Transition Project I		
DCE 461: Transition Project II		
IAP 331: Performance, Acting, and the Individual		
IAP 333: Directing for Performance		
IAP 334: Conceptual Development in the Arts		
THP 318: Directing II: Intermediate Directing		
THP 330: Costume Design		
THP 332: Makeup		
THP 345: Lighting Design		
THP 350: Sound Design		
THP 355: Media Design for Performance		
THP 360: Intermediate Playwriting		
THP 420: Acting: Solo and Collaborative Performance		
THP 428: Theatre Capstone/Senior Project		
THP 440: Advanced Scene Design		
THP 455: Advanced Media Design		
THP 483: Acting: Viewpoints and Composition		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map





### Performance and Movement - Hip Hop Arts, BA


School/College: Herberger Institute for Design and the Arts


Location: Tempe campus

HIPERMVBA



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 133: Hip Hop I	2	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THF 125/DCE 170 fulfills this requirement.</li> </ul>
 DCE 160: Creative Practice I	3	C	
 DCE 170: First-Year Seminar I OR THF 125: Orientation to Film, Dance and Theatre	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
DCE 136: Somatic Practices I	2	C	
Mathematics (MA)	3		
Elective	2-3		
Term hours subtotal:	16-17		





Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 133: Hip Hop I	2	C	<ul style="list-style-type: none"> <li>Students are expected to reach the advanced level (300-level) of at least one of the Physical Practices. Plan your Physical Practices courses to be able to do that in term 6.</li> <li>Join an <b>student club</b> or organization and/or participate in an off-campus performance project.</li> </ul>
 THF 126: School of Film, Dance and Theatre: First-Year Experience	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling (HU)	3	C	
Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 recommended)	3		
Elective	2-3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		






Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
DCE 201: Dance, Culture, and Global Contexts (HU) OR DCE 202: Dance in U.S. Popular Culture (HU & C) OR THF 220: Principles of Dramatic Analysis (L or HU)	3	C	
DCE 233: Hip Hop II	2	C	
Lower Division Creative Practice Courses	3-4	C	





Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3
 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	

Term hours subtotal: 15-16

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 233: Hip Hop II	2	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
HDA 252: Foundations Arts and Design Entrepreneurship	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3-4		
Term hours subtotal:	15-16		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 333: Hip Hop III	3	C	<ul style="list-style-type: none"> <li>Students are expected to reach the advanced level of one of the Physical Practices next term.</li> </ul>
 DCE 338: Hip Hop Ensemble	1	C	
 Upper Division Community Engagement and Education Courses	3	C	
Upper Division Production and Technical Courses	1-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	14-16		

Term 6 75 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 333: Hip Hop III	3	C	<ul style="list-style-type: none"> <li>Prepare for your <b>internship</b> (optional) next semester.</li> <li>Internships are strongly encouraged.</li> </ul>
 DCE 338: Hip Hop Ensemble	1	C	
 THF 397: Professional Development Seminar	1	C	
DCE 302: History of American Hip Hop Dance	3	C	
Upper Division Physical Practice	3	C	
Upper Division Elective	3		
Elective	2		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 338: Hip Hop Ensemble	1	C	<ul style="list-style-type: none"> <li>DCE 333 is recommended as a DCE Upper Division Elective.</li> <li>Start <b>networking</b> professionally.</li> <li>Internships are strongly encouraged</li> </ul>
 DCE 484: Internship OR FMP 484: Internship OR THP 484: Internship	3	C	
 Upper Division Creative Practice	2-3	C	

DCE Upper Division Elective OR FMP Upper Division Elective OR  
THE Upper Division Elective OR THF Upper Division Elective OR  
THP Upper Division Elective

3

C

Upper Division Literacy and Critical Inquiry (L) ( DCE 405 OR THE  
440 recommended)

3

Humanities, Arts and Design (HU) AND Historical Awareness (H)

3

Term hours subtotal: 15-16

**Term 8 106 - 120 Credit Hours Necessary course signified by ★**

**Hours**

**Minimum  
Grade**

**Notes**

★ DCE 461: Transition Project II OR THF 497: Senior Project OR THP  
428: Theatre Capstone/Senior Project

2-3

C

DCE Upper Division Elective OR FMP Upper Division Elective OR  
THE Upper Division Elective OR THF Upper Division Elective OR  
THP Upper Division Elective

3

C

Upper Division Humanities, Arts and Design (HU) OR Upper Division  
Social-Behavioral Sciences (SB)

3

Upper Division Elective

3

Elective

3

Term hours subtotal: 14-15

Hide Course List(s)/Track Group(s)

Physical Practice Courses	Creative Practice Courses	Production and Technical Courses
DCE 110: Argentine Tango I	ART 116: Introduction to Digital Media	DCE 438: Dance Theatre Performance/Production
DCE 111: Belly Dance I	ART 216: Intermedia Practices	MUP 373: Music Theatre Performance and Production
DCE 112: Capoeira I	DCE 161: Creative Practice II	MUP 374: Music Theatre Technical Production
DCE 113: Dances of Africa I	DCE 240: Media for Dance (CS)	THP 301: Production
DCE 114: Dances of India I	DCE 260: Second-Year Creative Practices I	THP 317: Stage Management
DCE 117: Feldenkrais I	DCE 261: Second-Year Creative Practices II	THP 331: Costume Construction
DCE 120: Contemporary/Modern I	DCE 262: Rhythmic Theory for Dance I	THP 332: Makeup
DCE 121: Ballet I	FMP 201: Film: The Creative Process I (HU)	THP 335: Advanced Stagecraft
DCE 122: Jazz I	FMP 255: Media Authorship (CS)	THP 345: Lighting Design
DCE 123: Nonmajors Hip Hop I	FMP 261: Principles of Screenwriting	THP 350: Sound Design
DCE 124: Latin/Swing/Ballroom I	FMP 280: Introduction to Film and Media Production	THP 355: Media Design for Performance
DCE 125: Afro-Latin Salsa I	HDA 210: Creativity and Innovation in Design and the Arts	THP 401: Theatre Practicum
DCE 126: Country-Western	MTC 125: Basic Music Theory	THP 435: Technical Direction
DCE 133: Hip Hop I	MUS 100: Fundamentals of Music Notation	THP 442: Rendering for Design and Production
DCE 134: Postmodern Contemporary I	MUS 145: Nonmajors Class Piano: Beginner	THP 448: AutoCAD for Live Entertainment
DCE 135: Contemporary Ballet I	THP 213: Introduction to Technical Theatre	
DCE 136: Somatic Practices I	THP 214: Introduction to Costuming	
DCE 139: Afro-Latin Movement Practices I		

DCE 210: Argentine Tango II	THF 215: Design and Composition for Theatre and Film (HU)	THP 449: AutoCAD 3D for Live Entertainment
DCE 211: Belly Dance II	THP 218: Directing I: Introduction to Directing	THP 451: Student Production Board II
DCE 220: Contemporary/Modern II	THP 260: Introduction to Playwriting	
DCE 221: Ballet II		
DCE 222: Jazz II		
DCE 223: Nonmajors Hip Hop II		
DCE 224: Latin/Swing/Ballroom II		
DCE 225: Afro-Latin/Salsa II		
DCE 233: Hip Hop II		
DCE 234: Postmodern Contemporary II		
DCE 236: Somatic Practices II		
DCE 239: Afro-Latin Movement Practices II		
MUP 170: Music Theatre I		
MUP 172: Music Theatre II		
MUP 270: Music Theatre III		
MUP 272: Music Theatre IV		
MUS 146: Singing for Nonmajors I		
THF 101: Acting Introduction		
THP 102: Acting I: Fundamentals		
THP 202: Acting II: Meisner Technique		
THP 272: Introduction to Stage Movement		
THP 277: Acting: Introduction to Voice		
<b>Community Engagement and Education Courses</b>	<b>Upper Division Creative Practices</b>	<b>Upper Division Physical Practice Courses</b>
ART 442: Art and Community	ART 443: Intermedia Performance	DCE 324: Latin/Swing/Ballroom III
DCE 350: Dance in the Classroom: Learning Through Movement (HU)	DCE 360: Third-Year Creative Practices I	DCE 333: Hip Hop III
DCE 354: Creative Approaches to Teaching Dance I	DCE 361: Third-Year Creative Practices II	DCE 334: Postmodern Contemporary III
DCE 356: Creative Approaches to Teaching Dance II	DCE 460: Transition Project I	DCE 335: Contemporary Ballet III
FMP 417: Business and Legal Practices in Entertainment	DCE 461: Transition Project II	DCE 336: Somatic Practices III
HDA 310: Socially Engaged Practice	FMP 300: Focus on Film	DCE 338: Hip Hop Ensemble
HDA 311: Work and Careers in the Cultural and Creative Industries	IAP 331: Performance, Acting, and the Individual	DCE 339: Afro-Latin Movement Practices III
HDA 420: Design and the Arts Business Administration	IAP 333: Directing for Performance	IAP 331: Performance, Acting, and the Individual
	IAP 334: Conceptual Development in the Arts	MUP 370: Music Theatre V
	THP 318: Directing II: Intermediate Directing	MUP 465: Music Theatre VI
	THP 330: Costume Design	MUP 466: Broadway Dance
	THP 332: Makeup	MUP 470: Music Theatre VII

THE 325: Play Reading for Educational Theatre	THP 345: Lighting Design	MUP 471: Music Theatre: Workshops
THE 480: Methods of Teaching Theatre	THP 350: Sound Design	MUP 472: Music Theatre VIII
THP 311: Creative Drama with Youth (L)	THP 355: Media Design for Performance	THP 301: Acting Mainstage
THP 351: Arts Management	THP 360: Intermediate Playwriting	THP 302: Acting III: Advanced Techniques
THP 411: Methods of Teaching Drama	THP 420: Acting: Solo and Collaborative Performance	THP 307: Acting: Ten-Minute Plays
THP 450: Theatre Organization and Management	THP 428: Theatre Capstone/Senior Project	THP 372: Acting: Advanced Movement
THP 482: Theatre for Social Change (C)	THP 440: Advanced Scene Design	THP 377: Acting: Voice and Speech
	THP 455: Advanced Media Design	THP 387: Screen Acting
	THP 483: Acting: Viewpoints and Composition	THP 420: Acting: Solo and Collaborative Performance
		THP 482: Theatre for Social Change (C)
		THP 483: Acting: Viewpoints and Composition
		THP 489: Acting: Audition Techniques and Career Development

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map





### Performance and Movement - Social and Partnership Dance, BA



School/College: [Herberger Institute for Design and the Arts](#)

Location: [Tempe campus](#)

HIPERMVBA




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 124: Latin/Swing/Ballroom I OR DCE 125: Afro-Latin Salsa I	2	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THF 125/DCE 170 fulfills this requirement.</li> </ul>
 DCE 160: Creative Practice I	3	C	
 DCE 170: First-Year Seminar I OR THF 125: Orientation to Film, Dance and Theatre	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
DCE 136: Somatic Practices I	2	C	
Mathematics (MA)	3		
Elective	2-3		
Term hours subtotal:	16-17		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 124: Latin/Swing/Ballroom I OR DCE 125: Afro-Latin Salsa I	2	C	<ul style="list-style-type: none"> <li>Alternate each semester between Latin and Ballroom.</li> <li>Join a <b>student club</b> or organization and/or participate in an off-campus performance project.</li> </ul>
 THF 126: School of Film, Dance and Theatre: First-Year Experience	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling (HU)	3	C	
Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 recommended)	3		
Elective	2-3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		




Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 224: Latin/Swing/Ballroom II OR DCE 225: Afro-Latin/Salsa II	2	C	
DCE 201: Dance, Culture, and Global Contexts (HU) OR DCE 202: Dance in U.S. Popular Culture (HU & C) OR THF 220: Principles of Dramatic Analysis (L or HU)	3	C	
Lower Division Creative Practice Courses	3-4	C	

Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3
 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	15-16

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 224: Latin/Swing/Ballroom II OR DCE 225: Afro-Latin/Salsa II	2	C	<ul style="list-style-type: none"> <li>• Develop your <i>skills</i></li> </ul>
HDA 252: Foundations Arts and Design Entrepreneurship	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3-4		
Term hours subtotal:	15-16		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 324: Latin/Swing/Ballroom III OR DCE 339: Afro-Latin Movement Practices III	2	C	<ul style="list-style-type: none"> <li>• Students are expected to reach the advanced level of one of the Physical Practices next term.</li> </ul>
 Upper Division Community Engagement and Education Courses	3	C	
Upper Division Production and Technical Courses	1-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15-17		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 324: Latin/Swing/Ballroom III OR DCE 339: Afro-Latin Movement Practices III	2	C	<ul style="list-style-type: none"> <li>• Prepare for your <i>internship</i> (optional) next semester.</li> <li>• Internships are strongly encouraged.</li> </ul>
 THF 397: Professional Development Seminar	1	C	
DCE 306: History of Salsa: Afro-Latin Social and Global Contexts (HU & C)	3	C	
Upper Division Physical Practice Courses	3	C	
<i>Complete 2 courses:</i> Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 DCE 484: Internship OR FMP 484: Internship OR THP 484: Internship OR DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Start <i>networking</i> professionally.</li> <li>• Internships are strongly encouraged.</li> </ul>
 Upper Division Creative Practice	2-3	C	

DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C
Upper Division Literacy and Critical Inquiry (L) ( DCE 405 OR THE 440 recommended)	3	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Elective	1-2	
Term hours subtotal:	15-17	

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DCE 461: Transition Project II OR THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project	2-3	C	
DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	14-15		

Hide Course List(s)/Track Group(s)

Physical Practice Courses	Upper Division Physical Practice Courses	Community Engagement and Education Courses
DCE 110: Argentine Tango I	DCE 324: Latin/Swing/Ballroom III	ART 442: Art and Community
DCE 111: Belly Dance I	DCE 333: Hip Hop III	DCE 350: Dance in the Classroom: Learning Through Movement (HU)
DCE 112: Capoeira I	DCE 334: Postmodern Contemporary III	DCE 354: Creative Approaches to Teaching Dance I
DCE 113: Dances of Africa I	DCE 335: Contemporary Ballet III	DCE 356: Creative Approaches to Teaching Dance II
DCE 114: Dances of India I	DCE 336: Somatic Practices III	FMP 417: Business and Legal Practices in Entertainment
DCE 117: Feldenkrais I	DCE 338: Hip Hop Ensemble	HDA 310: Socially Engaged Practice
DCE 120: Contemporary/Modern I	DCE 339: Afro-Latin Movement Practices III	HDA 311: Work and Careers in the Cultural and Creative Industries
DCE 121: Ballet I	IAP 331: Performance, Acting, and the Individual	HDA 420: Design and the Arts Business Administration
DCE 122: Jazz I	MUP 370: Music Theatre V	THE 325: Play Reading for Educational Theatre
DCE 123: Nonmajors Hip Hop I	MUP 465: Music Theatre VI	THE 480: Methods of Teaching Theatre
DCE 124: Latin/Swing/Ballroom I	MUP 466: Broadway Dance	THP 311: Creative Drama with Youth (L)
DCE 125: Afro-Latin Salsa I	MUP 470: Music Theatre VII	THP 351: Arts Management
DCE 126: Country-Western	MUP 471: Music Theatre: Workshops	THP 411: Methods of Teaching Drama
DCE 133: Hip Hop I	MUP 472: Music Theatre VIII	
DCE 134: Postmodern Contemporary I	THP 301: Acting Mainstage	
DCE 135: Contemporary Ballet I	THP 302: Acting III: Advanced Techniques	
DCE 136: Somatic Practices I	THP 307: Acting: Ten-Minute Plays	



DCE 139: Afro-Latin Movement Practices I	THP 372: Acting: Advanced Movement	THP 450: Theatre Organization and Management
DCE 210: Argentine Tango II	THP 377: Acting: Voice and Speech	
DCE 211: Belly Dance II	THP 387: Screen Acting	THP 482: Theatre for Social Change (C)
DCE 220: Contemporary/Modern II	THP 420: Acting: Solo and Collaborative Performance	
DCE 221: Ballet II	THP 482: Theatre for Social Change (C)	
DCE 222: Jazz II	THP 483: Acting: Viewpoints and Composition	
DCE 223: Nonmajors Hip Hop II	THP 489: Acting: Audition Techniques and Career Development	
DCE 224: Latin/Swing/Ballroom II		
DCE 225: Afro-Latin/Salsa II		
DCE 233: Hip Hop II		
DCE 234: Postmodern Contemporary II		
DCE 236: Somatic Practices II		
DCE 239: Afro-Latin Movement Practices II		
MUP 170: Music Theatre I		
MUP 172: Music Theatre II		
MUP 270: Music Theatre III		
MUP 272: Music Theatre IV		
MUS 146: Singing for Nonmajors I		
THF 101: Acting Introduction		
THP 102: Acting I: Fundamentals		
THP 202: Acting II: Meisner Technique		
THP 272: Introduction to Stage Movement		
THP 277: Acting: Introduction to Voice		
<b>Creative Practice Courses</b>	<b>Upper Division Creative Practices</b>	<b>Production and Technical Courses</b>
ART 116: Introduction to Digital Media	ART 443: Intermedia Performance	DCE 438: Dance Theatre Performance/Production
ART 216: Intermedia Practices	DCE 360: Third-Year Creative Practices I	MUP 373: Music Theatre Performance and Production
DCE 161: Creative Practice II	DCE 361: Third-Year Creative Practices II	MUP 374: Music Theatre Technical Production
DCE 240: Media for Dance (CS)	DCE 460: Transition Project I	THP 301: Production
DCE 260: Second-Year Creative Practices I	DCE 461: Transition Project II	THP 317: Stage Management
DCE 261: Second-Year Creative Practices II	FMP 300: Focus on Film	THP 331: Costume Construction
DCE 262: Rhythmic Theory for Dance I	IAP 331: Performance, Acting, and the Individual	THP 332: Makeup
FMP 201: Film: The Creative Process I (HU)	IAP 333: Directing for Performance	THP 335: Advanced Stagecraft
FMP 255: Media Authorship (CS)	IAP 334: Conceptual Development in the Arts	THP 345: Lighting Design
FMP 261: Principles of Screenwriting	THP 318: Directing II: Intermediate Directing	THP 350: Sound Design
FMP 280: Introduction to Film and Media Production	THP 330: Costume Design	

HDA 210: Creativity and Innovation in Design and the Arts	THP 332: Makeup	THP 355: Media Design for Performance
MTC 125: Basic Music Theory	THP 345: Lighting Design	THP 401: Theatre Practicum
MUS 100: Fundamentals of Music Notation	THP 350: Sound Design	THP 435: Technical Direction
MUS 145: Nonmajors Class Piano: Beginner	THP 355: Media Design for Performance	THP 442: Rendering for Design and Production
THF 215: Design and Composition for Theatre and Film (HU)	THP 360: Intermediate Playwriting	THP 448: AutoCAD for Live Entertainment
THP 213: Introduction to Technical Theatre	THP 420: Acting: Solo and Collaborative Performance	THP 449: AutoCAD 3D for Live Entertainment
THP 214: Introduction to Costuming	THP 428: Theatre Capstone/Senior Project	THP 451: Student Production Board II
THP 218: Directing I: Introduction to Directing	THP 440: Advanced Scene Design	
THP 260: Introduction to Playwriting	THP 455: Advanced Media Design	
	THP 483: Acting: Viewpoints and Composition	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Theatre, BA

School/College: Herberger Institute for Design and the Arts


Location: Tempe campus


FATHEBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THF 125: Orientation to Film, Dance and Theatre	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THF 125: Orientation to Film, Dance and Theatre required of all freshman theatre and film majors only.</li> <li>Student must complete THP 102 for degree. Student may choose between THP 213 or 214.</li> <li>Interested in pursuing the Design &amp; Production concentration? Please see that specific major map to ensure the correct courses are taken.</li> <li>Interested in the Acting Concentration? Please change your major to Theatre Acting so you are following the correct map.</li> <li>Join a <a href="#">student club</a> or professional organization. Get involved in a production.</li> </ul>
THP 102: Acting I: Fundamentals OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling (HU) OR THF 215: Design and Composition for Theatre and Film (HU)	3	C	
THP 201: Theatre Production Crew	1	C	
Mathematics (MA)	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	14-15		
Term 2 14 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THF 126: Professional Development: Communication and Collaboration.	2	C	<ul style="list-style-type: none"> <li>THF 160 and THP 201 must be completed by the end of term 3.</li> <li>Student must complete THP 102 for degree. Student may choose between THP 213 or 214.</li> <li>Interested in pursuing the Design &amp; Production concentration? Please see that specific major map to ensure the correct courses are taken. Talk to your professors about when to apply for the Portfolio Review.</li> <li>Interested in the Acting Concentration? Switch your major to Theatre Acting so you are following the correct major map.</li> <li>Find a <a href="#">mentor</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling (HU) OR THF 215: Design and Composition for Theatre and Film (HU)	3	C	
THP 102: Acting I: Fundamentals OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming	4-3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	17-16		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes


THF 220: Principles of Dramatic Analysis (L or HU)	3	C
Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Complete 2 courses:		
Elective	6	
Complete THF 160 course(s).		
Complete THP 201 course(s).		
Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Maintain 2.50 GPA in Theatre and Film courses.		
Term hours subtotal:	16	

- THF 215 must be completed by the end of term 4.
- Establish **career interests**, develop soft skills and build a resume.
- Deepen involvement in a production, and narrow your focus.

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
THP 218: Directing I: Introduction to Directing	3	C	
FMP OR THE OR THF OR THP Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete THF 215 course.			
Complete THP 102 AND THP 213 or THP 214 course(s).			
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	13		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
THP 301: Theatre Production	1	C	
THE 320: History of the Theatre I (HU & H)	3	C	
FMP OR THE OR THF OR THP Elective	3	C	
Complete 3 courses:			
Upper Division Elective	9		
Maintain 2.50 GPA in Theatre and Film courses.			
Complete THP 218 course(s).			
Term hours subtotal:	16		

- Begin discussion of your **career options** with your faculty mentor.
- Continue to build your resume

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
THE 321: History of the Theatre II (HU & H)	3	C	
THF 397: Professional Development Seminar	1	C	
Upper Division THE Dramatic Literature course	3	C	
FMP OR THE OR THF OR THP Upper Division Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	16		

- For the Upper Division THE Dramatic Literature Course, choose one from THE 421, 422, 423, 426, 440. If all Literacy requirements for General Education are complete then choose any course from the Dramatic Literature track group.
- Enroll with your faculty mentor in THF 397 to begin the development of your senior project.

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THE 421: Shakespeare: Stage and Film (L or HU) OR THE 440: Experimental Theatre and Performance (L)	3		<ul style="list-style-type: none"> <li>• Start <b>networking</b>.</li> <li>• Complete an <b>internship</b>.</li> <li>• Complete a major project in specific area.</li> </ul>
Complete 3 courses:	9	C	
FMP OR THE OR THF OR THP Upper Division Elective			
Upper Division Elective OR THP 484: Internship	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project	1-6	C	<ul style="list-style-type: none"> <li>• Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.</li> <li>• Students should choose THP 428 for 3 credits unless their faculty mentor feels there is a reason to do THF 497.</li> </ul>
Complete 2 courses:	6	C	
FMP OR THE OR THF OR THP Upper Division Elective			
FMP OR THE OR THF OR THP Elective	3	C	
Elective	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	13-18		

Hide Course List(s)/Track Group(s)

THE Dramatic Literature Course: Select 1 course; 3 credits

THE 421: Shakespeare: Stage and Film (L or HU)

THE 422: Latinx Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

THE 440: Experimental Theatre and Performance (L)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Theatre (Acting), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FATHEABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 125: Orientation to Film, Dance and Theatre	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THF 125: Orientation to Film, Dance and Theatre fulfills this requirement.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
 THP 102: Acting I: Fundamentals	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling (HU) OR THF 215: Design and Composition for Theatre and Film (HU)	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 126: Professional Development: Communication and Collaboration.	2	C	
 THP 272: Introduction to Stage Movement OR THP 277: Acting: Introduction to Voice	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling (HU) OR THF 215: Design and Composition for Theatre and Film (HU)	3	C	
THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 220: Principles of Dramatic Analysis (L or HU)	3	C	

❖ THP 272: Introduction to Stage Movement OR THP 277: Acting: Introduction to Voice	3	C
THP 201: Theatre Production Crew	1	C
Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended)	3	
Natural Science - Quantitative (SQ)	4	
❖ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Maintain 3.00 GPA in Theatre and Film courses.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	14	

- THP 201, and THP 213 or 214 must be completed by end of term 4.
- Get involved in projects in the School of Music, Dance and Theatre, and prepare for the audition into the Acting Concentration.

Term 4 45 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ THP 202: Acting II: Meisner Technique	3	C	Students who do not pass the milestone for Theatre Acting (BA) by the audition and application process for the Acting Concentration for Stage and Screen will be switched to the Theatre BA major.
THP 218: Directing I: Introduction to Directing	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
❖ Milestone: Apply for Acting Concentration during Term 4.			
❖ Complete THP 201 AND THP 213 OR THP 214 course(s).			
❖ Complete THF 160 AND THF 215 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 370: Seminar: Acting Concentration for Stage and Screen	1	C	<ul style="list-style-type: none"> <li>• Begin discussion of career options with your faculty mentor.</li> <li>• Continue to build your resume.</li> </ul>
★ THP 301: Theatre Production	1	C	
THE 320: History of the Theatre I (HU & H)	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
★ Complete THP 218 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 75 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THE 321: History of the Theatre II (HU & H)	3	C	<ul style="list-style-type: none"> <li>• For Upper Division THE Dramatic Literature Course, choose one from THE 421, 422, 423, 426, 440. If all Literacy requirements for General Education are complete, then choose any course from the Dramatic Literature track group.</li> </ul>
★ THF 370: Seminar: Acting Concentration for Stage and Screen	1	C	
THF 397: Professional Development Seminar	1	C	
Upper Division THE Dramatic Literature Course	3	C	
Complete 2 courses:			



Upper Division THP Acting Elective	6	C
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Maintain 3.00 GPA in Theatre and Film courses.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	17	

- Enroll with your faculty mentor in THF 397 to begin the development of your senior project.

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THE 421: Shakespeare: Stage and Film (L or HU) OR THE 440: Experimental Theatre and Performance (L)	3		<ul style="list-style-type: none"> <li>• Plan and implement your capstone. Continue building a body of work and materials that are industry standard and that will launch you into your career and/or next project.</li> </ul>
★ THF 370: Seminar: Acting Concentration for Stage and Screen	1	C	
★ THP 489: Acting: Audition Techniques and Career Development	3	C	
Upper Division Elective OR THP 484: Internship	3		
Complete 2 courses: Upper Division Elective	6		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project	1-6	C	<ul style="list-style-type: none"> <li>• Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.</li> </ul>
Upper Division THP Acting Elective	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Elective	2-3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12-18		

Hide Course List(s)/Track Group(s)

Dramatic Literature Course: Select 1 course; 3 credits.	THP Acting Elective Courses: Select 3 courses; 9 credits.
THE 421: Shakespeare: Stage and Film (L or HU)	THP 301: Acting Mainstage
THE 422: Latinx Theatre and Film (HU & C)	THP 302: Acting III: Advanced Techniques
THE 423: African American Theatre (C)	THP 307: Acting: Ten-Minute Plays
THE 426: Pre-Columbian Theatre of the Americas	THP 372: Acting: Advanced Movement
THE 440: Experimental Theatre and Performance (L)	THP 377: Acting: Voice and Speech
	THP 387: Screen Acting
	THP 394: Acting Shakespeare
	THP 420: Acting: Solo and Collaborative Performance

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THP 483: Acting: Viewpoints and  
Composition

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THP 494: Advanced Screen Acting

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THP 494: Advanced Viewpoints

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THP 494: Devising 3: Projects

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THP 494: Devising Collaboration

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THP 494: Devising Dont Go: Bldg a  
participatory theatre

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THP 494: Devising Theatre

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THP 494: Rasaboxes

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Theatre (Design and Production), BA

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FADSNPRBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 125: Orientation to Film, Dance and Theatre	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THF 125: Orientation to Film, Dance and Theatre required of all first-year Theatre and Film majors only.</li> <li>Develop and build upon a <b>resume</b>. Start collecting portfolio items and/or images.</li> </ul>
 THF 160: Introduction to Storytelling (HU) OR THF 215: Design and Composition for Theatre and Film (HU)	3	C	
 THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THP 102: Acting I: Fundamentals OR THP 201: Theatre Production Crew	1-3	C	
Mathematics (MA)	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15-17		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 THF 126: Professional Development: Communication and Collaboration.	2	C	<ul style="list-style-type: none"> <li>Prospective Design &amp; Production concentration students must successfully pass an interview and portfolio review at the end of term 2.</li> <li>THP 201 must be completed by the end of term 3.</li> </ul>
 THF 160: Introduction to Storytelling (HU) OR THF 215: Design and Composition for Theatre and Film (HU)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THP 102: Acting I: Fundamentals OR THP 201: Theatre Production Crew	3-1	C	
Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended)	3		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Milestone: Successful completion of an interview and portfolio review.			
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15-13

Term 3 30 - 45 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ THF 220: Principles of Dramatic Analysis (L or HU)	3	C	<ul style="list-style-type: none"> <li>• THP 102 must be completed by the end of term 4.</li> <li>• Continue to develop a portfolio. Start building a web site.</li> <li>• Production Assignment required.</li> </ul>
THP 301: Theatre Production	1	C	
Upper Division Design & Production Core Course	3	C	
Design & Production Concentration Elective	1-3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
⚠ Complete Mathematics (MA) requirement.			
⚠ Complete THP 201 course(s).			
Complete First-Year Composition requirement.			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15-17		

Term 4 45 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming	4	C	<ul style="list-style-type: none"> <li>• Terms 4 - 8 are for students who have passed the additional interview and portfolio review for the Design &amp; Production concentration.</li> <li>• Production Assignment required.</li> </ul>
THP 218: Directing I: Introduction to Directing	3	C	
THP 301: Theatre Production OR THP 401: Theatre Practicum OR THP 498: Pro-Seminar	1	C	
Design & Production Concentration Elective	1-3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
⚠ Complete THP 102 course.			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16-18		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THP 301: Theatre Production OR THP 401: Theatre Practicum OR THP 498: Pro-Seminar	1-3	C	<ul style="list-style-type: none"> <li>• Start looking for professional internships or jobs.</li> <li>• Attend conferences and build your professional connections -- join the ASU Mentor Network.</li> <li>• Begin discussions of career options with your faculty mentor.</li> <li>• Production Assignment required.</li> </ul>
THE 320: History of the Theatre I (HU & H)	3	C	
Upper Division Design & Production Concentration Elective	1-3	C	
Upper Division Design & Production Core Course	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
★ Complete THP 218 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14-18		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ THE 321: History of the Theatre II (HU & H)	3	C
★ THP 301: Theatre Production OR THP 401: Theatre Practicum OR THP 498: Pro-Seminar	1-3	C
THF 397: Professional Development Seminar	1	C
Upper Division Design & Production Concentration Elective	1	C
Upper Division Design & Production Core Course	3	C
Upper Division Dramatic Literature Course	3	C
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Maintain 3.00 GPA in Theatre and Film courses.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		15-17

- For the Upper Division Dramatic Literature Course, choose one course from the list below.
- Production Assignment required.
- Enroll with your mentor in THF 397 to begin the development of your senior project.

Term 7 90 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ THE 421: Shakespeare: Stage and Film (L or HU) OR THE 440: Experimental Theatre and Performance (L)	3	
★ THP 301: Theatre Production OR THP 401: Theatre Practicum OR THP 498: Pro-Seminar	1-3	C
Complete 2 courses:		
Upper Division Design & Production Concentration Elective	6	C
Upper Division Design & Production Core Course	3	C
Elective OR THP 484: Internship	3	
Maintain 3.00 GPA in Theatre and Film courses.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16-18

- Attend conferences and build your professional connections -- join the [ASU Mentor Network](#).
- Apply for professional jobs or graduate school.
- Production Assignment required.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project	1-3	C
Upper Division Design & Production Concentration Elective	1-3	C
Complete 2 courses:		
Upper Division Elective	5	
Complete 2 courses:		
Elective	7	
Maintain 3.00 GPA in Theatre and Film courses.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		14-18

- Transfer students complete one additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Film, Dance and Theatre (term 1) is not required for transfer students.

Hide Course List(s)/Track Group(s)

Dramatic Literature Course (1 course; 3 credits)	Design & Production Concentration Electives (minimum 11 credits)	Upper Division Design & Production Core (Choose 1 course from 4 different categories; 12 credits total)
THE 421: Shakespeare: Stage and Film (L or HU)	FMP 494: Art Direction	<b>Arts Management:</b>
THE 422: Latinx Theatre and Film (HU & C)	THE 430: History of Fashion I (HU)	THP 351: Arts Management
	THP 317: Stage Management	

THE 423: African American Theatre (C)	THP 330: Costume Design	<b>Costume Design:</b>
THE 426: Pre-Columbian Theatre of the Americas	THP 331: Costume Construction	THP 330: Costume Design
THE 440: Experimental Theatre and Performance (L)	THP 332: Makeup	<b>Costume Technology:</b>
	THP 335: Advanced Stagecraft	THP 331: Costume Construction
	THP 340: Scene Design	THP 431: Advanced Costume Construction
	THP 344: Drafting	THP 494: Menswear Patterning & Construction Techniques
	THP 345: Lighting Design	<b>Drawing:</b>
	THP 350: Sound Design	THP 344: Drafting
	THP 355: Media Design for Performance	THP 442: Rendering for Design and Production
	THP 394: Pattern Drafting for Theatre	<b>Electrics Technology:</b>
	THP 401: Advanced Technical Theatre	THP 494: Sound System Design & Engineering
	THP 401: Costume Construction	<b>Lighting Design:</b>
	THP 401: Lighting, Sound, and Media	THP 345: Lighting Design
	THP 401: Stage Management	<b>Management:</b>
	THP 431: Advanced Costume Construction	THP 317: Stage Management
	THP 435: Technical Direction	<b>Media Design:</b>
	THP 440: Advanced Scene Design	THP 355: Media Design for Performance
	THP 441: Scene Painting	<b>Scenic Design:</b>
	THP 442: Rendering for Design and Production	THP 340: Scene Design
	THP 445: Advanced Lighting Design	<b>Scenic Technology:</b>
	THP 448: AutoCAD for Live Entertainment	THP 435: Technical Direction
	THP 449: AutoCAD 3D for Live Entertainment	THP 441: Scene Painting
	THP 450: Theatre Organization and Management	THP 494: Materials for the Stage
	THP 455: Advanced Media Design	THP 494: Properties for the Stage
	THP 457: Digital Portfolio	THP 494: Rigging for the Stage
	THP 494: Advanced Lighting Technology	<b>Sound Design:</b>
	THP 494: CAD Drafting	THP 350: Sound Design
	THP 494: Costume Crafts	
	THP 494: Costume Design II	
	THP 494: Lighting III: Practical Skills	
	THP 494: Materials for the Stage	
	THP 494: Menswear Patterning & Construction Techniques	
	THP 494: Properties for the Stage	

THP 494: Rigging for the Stage

THP 494: Structural and Mechanical Design  
for the Stage

THP 494: Vectorworks

THP 498: Costume Design

THP 498: Design Practicum

THP 498: Lighting Design

THP 498: Media Design Practicum

THP 498: Props Master

THP 498: Scenic Design

THP 498: Sound Design

THP 498: Stage Management

THP 498: Technical Direction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Theory and Composition (Composition), **BMUS**

School/College: Herberger Institute for Design and the Arts







Location: Tempe campus






FAMUSTCBM





Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Milestone: Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101: The ASU School of Music Experience required of all first-year students.</li> <li>Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>
 Milestone: Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music, Dance and Theatre courses.			
 MTC 123: Beginning Composition	1	C	
 MTC 125: Basic Music Theory	3	C	
 MUP 101: The ASU School of Music Experience	1	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MUP 131: Class Piano	1	C	
MTC Elective OR MUE 3** Elective OR MUP 111: Studio Instruction OR MUP 121: Studio Instruction OR MUP 311: Studio Instruction OR MUP 321: Studio Instruction	2	C	
Mathematics (MA)	3		
Term hours subtotal:	15		
Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MTC 123: Beginning Composition	1	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>
 MTC 221: Music Theory: 18th Century	3	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Sounds and Cultures (HU & G)	3	C	
MUP 132: Class Piano	1	C	
MTC Elective OR MUE 3** Elective OR MUP 111: Studio Instruction OR MUP 121: Studio Instruction OR MUP 311: Studio Instruction OR MUP 321: Studio Instruction	2	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			



Term hours subtotal: 14

Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MTC 123: Beginning Composition	1	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in fall semester only: MTC 222, MUP 231.</li> <li>• Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.</li> <li>• Develop a network of student performers who can read and perform your works.</li> </ul>
 MTC 222: Music Theory: 19th Century	3	C	
 4** MUP Music Ensemble	1	C	
MUP 231: Class Piano	1	C	
MTC Elective OR MUE 3** Elective OR MUP 111: Studio Instruction OR MUP 121: Studio Instruction OR MUP 311: Studio Instruction OR MUP 321: Studio Instruction	2	C	
Computer/Statistics/Quantitative Applications (CS) (MHL 201 recommended)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
 Complete MUP 131.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15		

Term 4 44 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MTC 123: Beginning Composition	1	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 223, MTC 321 (even numbered spring semesters only), MUP 232.</li> </ul>
 MTC 223: Music Theory: 20th Century	3	C	
 4** MUP Music Ensemble	1	C	
MTC 321: Tonal Counterpoint	2	C	
MUP 232: Class Piano	1	C	
MTC Elective OR MUE 3** Elective OR MUP 111: Studio Instruction OR MUP 121: Studio Instruction OR MUP 311: Studio Instruction OR MUP 321: Studio Instruction	2	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete MUP 132.			
Term hours subtotal:	17		

Term 5 61 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MTC 323: Composition	3	C	<ul style="list-style-type: none"> <li>• Complete one semester of conducting by end of term 6; students may choose either MUP 209 or MUP 210.</li> <li>• Courses offered in fall semester only: MTC 320 (odd numbered fall semesters only), MTC 327 (even numbered fall semesters only), MUP 210.</li> </ul>
 Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU)	3	C	
MTC 320: Modal Counterpoint	2	C	
MTC 327: Intermediate Form and Analysis	3	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
4** MUP Music Ensemble	1	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	2	C	
 Complete MUP 231.			
Term hours subtotal:	15		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	<ul style="list-style-type: none"> <li>• Course offered in spring semester only: MTC 433.</li> <li>• Gather a list of professional references.</li> </ul>
★ MTC 433: Orchestration	3	C	
★ Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU)	3	C	
4** MUP Music Ensemble	1	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Complete MUP 209 OR MUP 210.			
★ Complete MUP 232.			
Term hours subtotal:	16		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	<ul style="list-style-type: none"> <li>• Courses offered in fall semester only: MTC 425, MTC 436.</li> </ul>
MTC 425: Studies in 20th- and 21st-Century Theory	3	C	
MTC 436: Electronic Studio Techniques I	2	C	
MHL course (L) Upper Division	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	<ul style="list-style-type: none"> <li>• Prepare, publicize, and present a public performance.</li> </ul>
★ MTC 495: Final Project	0	Y	
MTC Upper Division Elective	3	C	
Complete 3 courses: MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	8-9	C	
Term hours subtotal:	14-15		

Hide Course List(s)/Track Group(s)

4** MUP Ensembles Course List	Upper Division MHL (HU) Through Present Time Course List	Upper Division MHL (HU) Course List
MUP 442: Instrumental Ensembles	MHL 342: Music History II (HU)	MHL 341: Music History I (HU)
MUP 443: Choral Ensembles	MHL 344: Music in World Cultures (HU & G)	MHL 342: Music History II (HU)
MUP 444: Concert Winds	MHL 365: Popular Music and Race ((L or HU) & C)	MHL 344: Music in World Cultures (HU & G)
MUP 450: Choral Union	MHL 394: Music in the Middle East	MHL 365: Popular Music and Race ((L or HU) & C)
MUP 455: Arizona Statesmen	MHL 440: Topics in 20th-Century Music (L or HU)	MHL 394: Music in the Middle East
MUP 457: Sol Singers		MHL 394: Music in Renaissance Cities
MUP 458: ASU Gospel Choir		

MUP 476: New Music Ensemble	MHL 494: Concerts in the 20th Century	MHL 439: Topics in 19th-Century Music (L or HU) & H)
MUP 485: Percussion Ensemble	MHL 494: Music and Film	
MUP 479: Baroque Ensemble	MHL 494: Music and Healing	MHL 440: Topics in 20th-Century Music (L or HU)
MUP 479: Bass	MHL 494: Music of the Silk Road	MHL 494: Concerts in the 20th Century
MUP 479: Brass Chamber Ensembles	MHL 494: Recycled Music: Medieval to Modern	MHL 494: Music and Film
MUP 479: Flute Choir		MHL 494: Music and Healing
MUP 479: Guitar Ensemble		MHL 494: Music of the Silk Road
MUP 479: Piano Ensemble		MHL 494: Recycled Music: Medieval to Modern
MUP 479: Piano/String/Woodwind/Brass		
MUP 479: Saxophone Choir		
MUP 479: Small Saxophone Ensembles		
MUP 479: Strings		
MUP 479: Trombone Ensemble		
MUP 479: Tuba Ensemble		
MUP 479: Woodwinds		
MUP 486: Concert Jazz Band		
MUP 486: Jazz Repertory Band		
MUP 486: Latin Jazz Ensemble		
MUP 489: Ethnomusicology Ensembles		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Theory and Composition (Theory), BMUS

School/College: Herberger Institute for Design and the Arts

Location: Tempe campus

FAMUSTTBM

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 Milestone: Music students must successfully complete an <b>entrance audition</b> into the major before enrolling at ASU.			<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101: The ASU School of Music Experience required of all first-year students.</li> <li>Completion of Piano Diagnostic Exam determines placement into Class Piano courses.</li> <li>Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.</li> <li>Complete <b>resume</b> in MUP 101.</li> </ul>	
 Milestone: Music students must successfully complete the <b>music theory diagnostic exam</b> before enrolling in School of Music, Dance and Theatre courses.				
 MTC 125: Basic Music Theory	3	C		
 MUP 101: The ASU School of Music Experience	1	C		
 MUP 111: Studio Instruction	2	C		
 4** MUP Music Ensemble	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MUP 131: Class Piano	1	C		
Mathematics (MA)	3			
Term hours subtotal:	14			
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 MTC 221: Music Theory: 18th Century	3	C	<ul style="list-style-type: none"> <li>Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>Courses offered in spring semester only: MTC 221, MUP 132.</li> <li>Career Milestone: Familiarize yourself with information about <b>musicians' health</b>.</li> </ul>	
 MUP 111: Studio Instruction	2	C		
 4** MUP Music Ensemble	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MHL 140: Sounds and Cultures (HU & G)	3	C		
MUP 132: Class Piano	1	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
Term 3 30 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade		Notes

❖ MTC 222: Music Theory: 19th Century	3	C
❖ MUP 111: Studio Instruction	2	C
❖ 4** MUP Music Ensemble	1	C
MUP 231: Class Piano	1	C
Computer/Statistics/Quantitative Applications (CS) (MHL 201 recommended)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
❖ Complete Mathematics (MA) requirement.		
❖ Complete MUP 131.		
Complete First-Year Composition requirement.		
Term hours subtotal:	17	

- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.
- Select a faculty mentor to guide your degree work.

Term 4 47 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MTC 223: Music Theory: 20th Century	3	C	<ul style="list-style-type: none"> <li>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.</li> <li>• Courses offered in spring semester only: MTC 223, MTC 321 (even numbered spring semesters only), MUP 232.</li> </ul>
❖ MUP 111: Studio Instruction	2	C	
❖ 4** MUP Music Ensemble	1	C	
MTC 321: Tonal Counterpoint	2	C	
MUP 232: Class Piano	1	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	3	C	
Natural Science - Quantitative (SQ)	4		
❖ Complete MUP 132.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU)	3	C	<ul style="list-style-type: none"> <li>• Complete one semester of conducting by end of term 6; students may choose either MUP 209 or MUP 210.</li> <li>• Courses offered in fall semester only: MTC 320 (odd numbered fall semesters only), MTC 327 (even numbered fall semesters only), MTC 425, MUP 210.</li> </ul>
MTC 320: Modal Counterpoint	2	C	
MTC 327: Intermediate Form and Analysis	3	C	
MTC 425: Studies in 20th- and 21st-Century Theory	3	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
Upper Division 4** MUP Music Ensemble	1	C	
MTC Upper Division Elective	2-3	C	
★ Complete MUP 231.			
Term hours subtotal:	15-16		

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU)	3	C	<ul style="list-style-type: none"> <li>• Courses offered in spring semester only: MTC 428 (odd numbered spring semesters only).</li> <li>• Gather a list of <b>professional references</b>.</li> <li>• MTC 496 may be taken in Term 6 or Term 7 instead of Term 8. Consult theory faculty to discuss advantages/disadvantages.</li> </ul>
MTC 428: Advanced Form and Analysis	3	C	
Upper Division 4** MUP Music Ensemble	1	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	1	C	

MTC Upper Division Elective	3	C
Literacy and Critical Inquiry (L)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Complete MUP 209 OR MUP 210.		
★ Complete MUP 232.		
Term hours subtotal:	14	

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 422: Musical Acoustics	3	C	<ul style="list-style-type: none"> <li>MHL 438 or MHL 440 (fall only) or MHL 439 (spring only) recommended to complete the Upper Division MHL elective and Upper Division Literacy and Critical Inquiry general studies requirement.</li> <li>MTC 422 offered in even fall semesters only.</li> </ul>
Upper Division 4** MUP Music Ensemble	1	C	
MHL course (L) Upper Division	3	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective	2-3	C	
Complete 2 courses:	5-6	C	
MTC Upper Division Elective			
Term hours subtotal:	14-16		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 496: Theory Project	3	C	<ul style="list-style-type: none"> <li>Complete a capstone project.</li> </ul>
Upper Division 4** MUP Music Ensemble	1	C	
MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective	4-5	C	
MTC Upper Division Elective	3	C	
Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship	3		
Term hours subtotal:	14-15		

Hide Course List(s)/Track Group(s)

4** MUP Ensembles Course List	Upper Division MHL (HU) Through Present Time Course List	Upper Division MHL (HU) Course List
MUP 442: Instrumental Ensembles	MHL 342: Music History II (HU)	MHL 341: Music History I (HU)
MUP 443: Choral Ensembles	MHL 344: Music in World Cultures (HU & G)	MHL 342: Music History II (HU)
MUP 444: Concert Winds	MHL 365: Popular Music and Race ((L or HU) & C)	MHL 344: Music in World Cultures (HU & G)
MUP 450: Choral Union	MHL 394: Music in the Middle East	MHL 365: Popular Music and Race ((L or HU) & C)
MUP 455: Arizona Statesmen	MHL 440: Topics in 20th-Century Music (L or HU)	MHL 394: Music in the Middle East
MUP 457: Sol Singers	MHL 494: Concerts in the 20th Century	MHL 394: Music in Renaissance Cities
MUP 458: ASU Gospel Choir	MHL 494: Music and Film	MHL 439: Topics in 19th-Century Music ((L or HU) & H)
MUP 476: New Music Ensemble	MHL 494: Music and Healing	MHL 440: Topics in 20th-Century Music (L or HU)
MUP 485: Percussion Ensemble	MHL 494: Music of the Silk Road	MHL 494: Concerts in the 20th Century
MUP 489: Ethnomusicology Ensembles		
MUP 479: Baroque Ensemble		

MUP 479: Bass	MHL 494: Recycled Music: Medieval to Modern	MHL 494: Music and Film
MUP 479: Brass Chamber Ensembles		MHL 494: Music and Healing
MUP 479: Clarinet Choir		MHL 494: Music of the Silk Road
MUP 479: Flute Choir		MHL 494: Recycled Music: Medieval to Modern
MUP 479: Guitar Ensemble		
MUP 479: Piano Ensemble		
MUP 479: Piano/String/Woodwind/Brass		
MUP 479: Saxophone Choir		
MUP 479: Small Saxophone Ensembles		
MUP 479: Strings		
MUP 479: Trombone Ensemble		
MUP 479: Tuba Ensemble		
MUP 479: Woodwinds		
MUP 486: Concert Jazz Band		
MUP 486: Jazz Repertory Band		
MUP 486: Latin Jazz Ensemble		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Aeronautical Management Technology (Air Traffic Management), BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

ESAMTATBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses</li> <li>• Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		
AMT 220: Aviation Meteorology	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 201: Air Traffic Control	3	C	<ul style="list-style-type: none"> <li>• Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.</li> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ATC 230: Fundamentals of Air Traffic Management	3	C	<ul style="list-style-type: none"> <li>• Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.</li> <li>• Prep for success using the <a href="#">Sophomore Guide</a></li> </ul>
AMT 222: Instrument Pilot Ground School	3	C	
AMT 280: Aerospace Structures, Materials and Systems	4	C	
PHY 112: General Physics (SQ)	3		
PHY 114: General Physics Laboratory (SQ)	1		
 Complete MAT 170 course(s).			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 14

Term 4 43 - 59 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
⚠ AMT 214: Commercial Pilot Ground School	3	C	
AMT 287: Aircraft Powerplants	4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
⚠ Complete AMT 222 course(s).			
Term hours subtotal:	16		

Term 5 59 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 308: Air Transportation (G)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the Junior Guide.</li> <li>Network at student organization competitions or professional societies.</li> </ul>
★ AMT 360: Aircraft Dispatch Ground School	3	C	
AMT 350: Aircraft Design and Logistics Management	4	C	
ATC 331: Tower Operations	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 6 75 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 460: Aircraft Dispatch Capstone	3	C	<ul style="list-style-type: none"> <li>Research and prepare for graduate school.</li> <li>Apply for a Fulton Schools 4+1 program.</li> <li>Develop a professional profile online.</li> </ul>
AMT 396: Aviation Professional	1	C	
AMT 408: National Aviation Policy	3	C	
AMT 442: Aviation Law and Regulations	3	C	
ATC 332: TRACON Operations	3	C	
ATC 431: Tower Operations and Procedures	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ATC 333: En Route Operations	3	C	<ul style="list-style-type: none"> <li>Plan for success using the Senior Guide.</li> <li>Use Handshake to apply for full-time positions.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
AMT 410: Aviation Safety and Human Factors	3	C	
ATC 432: TRACON Operations and Procedures	3	C	
ATC 484: Internship	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ATC 491: Air Traffic Management Capstone	3	C	
AMT 444: Airport Management and Planning	3	C	
ATC 433: En Route Operations and Procedures	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		

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 Term hours subtotal: 14

## Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120**Upper Division Hours:** 45 minimum**Major GPA:** 2.00 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 30 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64 maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Aeronautical Management Technology (Air Transportation Management), BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSAMTMBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		
AMT 220: Aviation Meteorology	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
AMT 201: Air Traffic Control	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TMC 110: Understanding the Enterprise	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.</li> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
AMT 280: Aerospace Structures, Materials and Systems	4	C	
PHY 112: General Physics (SQ)	3		
PHY 114: General Physics Laboratory (SQ)	1		
Social-Behavioral Sciences (SB)	3		

❖ Complete MAT 170 course(s).

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 43 - 58 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
AMT 287: Aircraft Powerplants	4	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective ( HST 319 recommended)	5		
Term hours subtotal:	15		

Term 5 58 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 308: Air Transportation (G)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ TMC 330: Leading the Enterprise	3	C	
AMT 350: Aircraft Design and Logistics Management	4	C	
AMT 442: Aviation Law and Regulations	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 6 74 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 310: Promotion of the Enterprise	3	C	<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
AMT 396: Aviation Professional	1	C	
TMC 410: Enterprise Operations	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 408: National Aviation Policy	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
AMT 410: Aviation Safety and Human Factors	3	C	
AMT 444: Airport Management and Planning	3	C	
OMT 343: Occupational Safety and Ergonomics OR OMT 440: International Business (G) OR OMT 452: Industrial Human Resource Management OR OMT 480: Organizational Effectiveness	3		
TMC 430: Enterprise Strategy and Innovation	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 491: Aviation Management Capstone	3	C	
AMT 456: Organized Labor in Aviation	3	C	

AMT 484: Internship	3	C
AMT 489: Airline Administration	3	C
TMC 470: Enterprise Planning and Implementation	3	C
Term hours subtotal:	15	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map




### Aeronautical Management Technology (Professional Flight), BS



School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSAMTFBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>• Complete <a href="#">Professional Flight Secondary Application</a>.</li> <li>• ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>• Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>• Join a <a href="#">Fulton community</a>.</li> <li>• Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 AMT 220: Aviation Meteorology	3	C	
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		
AMT 105: Flight Operations and Safety I	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
 Milestone: Complete secondary admission materials.			
Term hours subtotal:	14		

Term 2 14 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.</li> <li>• Professional Flight students are encouraged to continue to progress in flight courses over the summer session.</li> <li>• Create a <a href="#">Handshake</a> profile.</li> <li>• Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
AMT 110: Flight Operations and Safety II	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 28 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 222: Instrument Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>• Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.</li> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
AMT 150: Flight Operations and Safety III	1	C	
AMT 201: Air Traffic Control	3	C	
AMT 280: Aerospace Structures, Materials and Systems	4	C	
PHY 112: General Physics (SQ)	3		



PHY 114: General Physics Laboratory (SQ) 1

❖ Complete MAT 170 course(s).

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 43 - 55 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ AMT 214: Commercial Pilot Ground School	3	C	<ul style="list-style-type: none"><li>Professional Flight students are encouraged to continue to progress in flight courses over the summer session.</li><li>Pursue an undergraduate research experience.</li><li>Apply for internships.</li><li>Attend career fairs and events.</li></ul>
AMT 205: Flight Operations and Safety IV	1	C	
AMT 286: Multiengine Pilot Ground School	1	C	
AMT 287: Aircraft Powerplants	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	12		

Term 5 55 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 308: Air Transportation (G)	3	C	<ul style="list-style-type: none"><li>Plan for success using the Junior Guide.</li><li>Network at student organization competitions or professional societies.</li></ul>
AMT 210: Flight Operations and Safety V	1	C	
AMT 285: Flight Instructor Ground School	3	C	
AMT 350: Aircraft Design and Logistics Management	4	C	
HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	17		

Term 6 72 - 86 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 382: Air Navigation	3	C	<ul style="list-style-type: none"><li>Professional Flight students are encouraged to continue to progress in flight courses over the summer session.</li><li>Research and prepare for graduate school.</li><li>Apply for a Fulton Schools 4+1 program.</li><li>Develop a professional profile online.</li></ul>
AMT 250: Flight Operations and Safety VI	1	C	
AMT 292: Flight Instructor Instrument Ground School	3	C	
AMT 396: Aviation Professional	1	C	
AMT 442: Aviation Law and Regulations	3	C	
AMT 444: Airport Management and Planning	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 86 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 482: Airline Instrument Procedures	3	C	<ul style="list-style-type: none"><li>Plan for success using the Senior Guide.</li><li>Use Handshake to apply for full-time positions.</li><li>Complete an in person or virtual practice interview.</li></ul>
★ AMT 486: Regional Jet Aircraft Systems	3	C	
AMT 305: Flight Operations and Safety VII	1	C	
AMT 360: Aircraft Dispatch Ground School	3	C	
AMT 408: National Aviation Policy	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Minimum

Term 8 102 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ AMT 490: Regional Jet Operations Capstone	3	C	
AMT 410: Aviation Safety and Human Factors	3	C	
AMT 484: Internship	2	C	
AMT 489: Airline Administration	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective ( AMT 310 recommended)	1		
Term hours subtotal:		18	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Aeronautical Management Technology (Unmanned Aerial Systems), BS




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSAMTUASBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294: Student Success for Veterans is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a></li> </ul>
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		
AMT 220: Aviation Meteorology	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 170: Introduction to Unmanned Aircraft Systems	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 270: Unmanned Aircraft	3	C	<ul style="list-style-type: none"> <li>Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.</li> <li>Prep for success using the <a href="#">Sophomore Guide</a></li> </ul>
AMT 280: Aerospace Structures, Materials and Systems	4	C	
PHY 112: General Physics (SQ)	3		
PHY 114: General Physics Laboratory (SQ)	1		
Social-Behavioral Sciences (SB)	3		
 Complete MAT 170 course(s).			

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 43 - 59 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ AMT 201: Air Traffic Control	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
AMT 287: Aircraft Powerplants	4	C	
HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	16		

Term 5 59 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AMT 308: Air Transportation (G)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
AMT 350: Aircraft Design and Logistics Management	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses:	6		
Elective ( HST 319 recommended)			
Term hours subtotal:	16		

Term 6 75 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AMT 370: Unmanned Aircraft Systems	3	C	<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
AMT 396: Aviation Professional	1	C	
AMT 442: Aviation Law and Regulations	3	C	
AMT 444: Airport Management and Planning	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 91 - 104 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AMT 470: Unmanned Aircraft Payloads, Sensors, and Control Stations	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
AMT 408: National Aviation Policy	3	C	
AMT 456: Organized Labor in Aviation	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective ( EDP 310 recommended)	1		
Term hours subtotal:	13		

Term 8 104 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AMT 495: Unmanned Aircraft Systems Operations	3	C	
AMT 410: Aviation Safety and Human Factors	3	C	
AMT 484: Internship	3	C	
AMT 489: Airline Administration	3	C	

## Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120**Upper Division Hours:** 45 minimum**Major GPA:** 2.00 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 30 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64 maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Aerospace Engineering (Aeronautics), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESAEROBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>FSE 100 required for first-year students and should be completed first semester. Non-first-year students: see advisor for petitioning replacement electives.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-AEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	

⚠ MAT 267: Calculus for Engineers III (MA)	3	C
⚠ MAT 275: Modern Differential Equations (MA)	3	C
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
⚠ Complete CHM 114 OR CHM 116 course(s).		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Prep for success using the [Sophomore Guide](#).

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
⚠ MAE 213: Mechanics of Materials	3	C	
⚠ MAE 242: Introduction to Fluid Mechanics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 360: Aerodynamics (L)	3	C	<ul style="list-style-type: none"> <li>• Both AEE 360, AEE 361 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
★ AEE 361: Aerodynamics Laboratory	1	C	
MAE 241: Introduction to Thermodynamics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MAE 318: System Dynamics and Control I	4	C	
Term hours subtotal:	14		

Term 6 76 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 344: Fundamentals of Aircraft Design	3	C	<ul style="list-style-type: none"> <li>• Both AEE 360, AEE 361 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for an <a href="#">engineering 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
AEE 313: Aircraft Dynamics and Control	3	C	
AEE 325: Aerospace Structures and Materials	4	C	
AEE 362: High-Speed Aerodynamics (L)	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	17		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 463: Aircraft Propulsion	3	C	<ul style="list-style-type: none"> <li>• For additional information about Upper Division Technical Elective course options, please visit: <a href="#">Upper Division Technical Electives</a></li> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> </ul>
AEE 415: Vibration Analysis	3	C	
MAE 400: Engineering Profession (L)	3	C	
Upper Division Technical Elective	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

- Complete an in person or virtual [practice interview](#).

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 468: Aircraft Systems Design	3	C	• For additional information about Upper Division Technical Electives, please visit: <a href="#">Upper Division Technical Electives</a>
AEE 462: Space Vehicle Dynamics and Control	3	C	
Upper Division Technical Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

- For additional information about Upper Division Technical Elective options, please visit: [Upper Division Technical Electives](#).

Hide Course List(s)/Track Group(s)

Upper Division Technical Electives
AEE 426: Design of Aerospace Structures
AEE 465: Rocket Propulsion
AEE 466: Rotary Wing Aerodynamics and Performance
AEE 471: Computational Fluid Dynamics
EEE 407: Digital Signal Processing
EEE 480: Feedback Systems
EEE 481: Computer-Controlled Systems
EEE 498: Foundations Machine Learning: From Theory to Pract
MAE 341: Mechanism Analysis and Design
MAE 404: Finite Elements in Engineering
MAE 417: System Dynamics and Control II
MAE 436: Combustion
MAE 455: Polymers and Composites
MAE 460: Applied Computational Fluid Dynamics
MAE 494: Design Optimization
MAE 494: Theories and Techniques of Direct CAD Modeling
MEE 323: Computer-Aided Engineering II
MEE 340: Heat Transfer
MEE 351: Manufacturing Processes



MEE 434: Internal Combustion Engines

MEE 440: Renewable Energy: Mechanical Systems

MEE 441: Wind Energy

MEE 472: Intermediate Fluid Mechanics

MEE 482: Intermediate Thermodynamics

SES 494: Modeling and Analysis of Space Thermal Systems

Students may choose no more than one course from the following:

AST 322: Introduction to Galactic and Extragalactic Astrophysics

AST 322: Introduction to Galactic and Extragalactic Astrophysics

BME 350: Signals and Systems for Bioengineers

CEE 440: Hydrology

CHE 468: Polymer Principles and Processing

CHE 478: Biomass Energy Conversion Technology

CHE 494: Six Sigma Methodology/Engineering Experimentation

CHM 325: Analytical Chemistry

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages and Programmable Logic

EEE 334: Circuits II

EEE 350: Random Signal Analysis

EGR 317: Humanitarian Engineering Project II

EGR 433: Transforms and Systems Modeling

FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering in Global Context

IEE 300: Economic Analysis for Engineers

MAT 300: Mathematical Structures (L)

MAT 371: Advanced Calculus I

MAT 420: Scientific Computing

MAT 421: Applied Computational Methods (CS)

MAT 423: Numerical Analysis I (CS)

MAT 425: Numerical Analysis II (CS)

MAT 451: Mathematical Modeling (CS)

MSE 330: Thermodynamics of Materials

PHY 310: Classical Particles, Fields, and Matter I

PHY 361: Introductory Modern Physics

SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

SES 350: Engineering Systems and Experimental Problem Solving

SES 405: Exploration Systems Engineering

SES 407: Space Works II: Model, Fabricate and Test

SES 410: Senior Exploration Project I

By approval only:

MAE 484: Internship

MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)

MAE 498: Pro-Seminar or MAE 499: Individualized Instruction

\*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor.

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Aerospace Engineering (Astronautics), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESAEASBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>FSE 100 required for first-year students and should be completed the first semester.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-AEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering OR SES 100: Introduction to Exploration (CS)	2-3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16-17		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	

⚠ MAT 267: Calculus for Engineers III (MA)	3	C
⚠ MAT 275: Modern Differential Equations (MA)	3	C
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
⚠ Complete CHM 114 OR CHM 116 course(s).		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Prep for success using the **Sophomore Guide**.

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
⚠ MAE 213: Mechanics of Materials	3	C	
⚠ MAE 242: Introduction to Fluid Mechanics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 360: Aerodynamics (L)	3	C	<ul style="list-style-type: none"> <li>• Both AEE 360, AEE 361 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ AEE 361: Aerodynamics Laboratory	1	C	
EEE 203: Signals and Systems I	3	C	
MAE 241: Introduction to Thermodynamics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MAE 318: System Dynamics and Control I	4	C	
Term hours subtotal:	17		

Term 6 79 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 462: Space Vehicle Dynamics and Control	3	C	<ul style="list-style-type: none"> <li>• Both AEE 360, AEE 361 and AEE 360 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
AEE 325: Aerospace Structures and Materials	4	C	
AEE 362: High-Speed Aerodynamics (L)	4	C	
EEE 350: Random Signal Analysis	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AEE 445: Fundamentals of Spacecraft Design	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
AEE 465: Rocket Propulsion	3	C	
EEE 455: Communication Systems OR EEE 459: Communication Networks	3	C	
MAE 400: Engineering Profession (L)	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 480: Space Systems Design	3	C	<ul style="list-style-type: none"> <li>For more information about Technical Electives, please visit: <a href="#">Upper Division Technical Electives</a>.</li> </ul>
Upper Division Technical Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	12		

- For more information about Upper Division Technical Elective options, please visit: [Upper Division Technical Electives](#).

Hide Course List(s)/Track Group(s)

Upper Division Technical Elective
AEE 313: Aircraft Dynamics and Control
AEE 344: Fundamentals of Aircraft Design
AEE 415: Vibration Analysis
AEE 426: Design of Aerospace Structures
AEE 463: Aircraft Propulsion
AEE 466: Rotary Wing Aerodynamics and Performance
AEE 471: Computational Fluid Dynamics
AST 321: Introduction to Planetary and Stellar Astrophysics
AST 322: Introduction to Galactic and Extragalactic Astrophysics
CHE 468: Polymer Principles and Processing
CHE 478: Biomass Energy Conversion Technology
CHE 494: Six Sigma Methodology/Engineering Experimentation
CHM 325: Analytical Chemistry
EEE 304: Signals and Systems II
EEE 333: Hardware Design Languages and Programmable Logic
EEE 334: Circuits II
EEE 407: Digital Signal Processing
EEE 480: Feedback Systems
EEE 481: Computer-Controlled Systems
EEE 498: Foundations Machine Learning: From Theory to Pract

EGR 317: Humanitarian Engineering Project II

EGR 433: Transforms and Systems Modeling

FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering in Global Context

GLG 404: Fundamentals of Planetary Geology

IEE 300: Economic Analysis for Engineers

MAE 341: Mechanism Analysis and Design

MAE 404: Finite Elements in Engineering

MAE 417: System Dynamics and Control II

MAE 436: Combustion

MAE 455: Polymers and Composites

MAE 460: Applied Computational Fluid  
Dynamics

MAE 494: Design Optimization

MAE 494: Theories and Techniques of Direct  
CAD Modeling

MAT 300: Mathematical Structures (L)

MAT 371: Advanced Calculus I

MAT 420: Scientific Computing

MAT 421: Applied Computational Methods  
(CS)

MAT 423: Numerical Analysis I (CS)

MAT 425: Numerical Analysis II (CS)

MAT 451: Mathematical Modeling (CS)

MEE 323: Computer-Aided Engineering II

MEE 340: Heat Transfer

MEE 351: Manufacturing Processes

MEE 434: Internal Combustion Engines

MEE 440: Renewable Energy: Mechanical  
Systems

MEE 441: Wind Energy

MEE 472: Intermediate Fluid Mechanics

MEE 482: Intermediate Thermodynamics

MSE 330: Thermodynamics of Materials

PHY 310: Classical Particles, Fields, and  
Matter I

PHY 361: Introductory Modern Physics

SES 311: Essentials of Astrobiology:  
Exploration for Life in the Universe

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SES 350: Engineering Systems and  
Experimental Problem Solving

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SES 405: Exploration Systems Engineering

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SES 407: Space Works II: Model, Fabricate  
and Test

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SES 410: Senior Exploration Project I

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SES 494: Modeling and Analysis of Space  
Thermal Systems

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By approval only:

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MAE 484: Internship

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MAE 492: Honors Directed Study

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MAE 493: Honors Thesis (L)

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MAE 498: Pro-Seminar or MAE 499:  
Individualized Instruction

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\*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor.

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#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)



## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map








### Aerospace Engineering (Autonomous Vehicle Systems), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESAEAVSBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>FSE 100 required for first-year students and should be completed the first semester. Non-first-year students: see advisor for petitioning replacement electives.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-AEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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⚠ MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C
⚠ MAT 267: Calculus for Engineers III (MA)	3	C
⚠ MAT 275: Modern Differential Equations (MA)	3	C
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
PHY 132: University Physics Laboratory II (SQ)	1	C
MAE 214: Computer-Aided Engineering I	1	C
⚠ Complete CHM 114 OR CHM 116 course(s).		
Complete Mathematics (MA) requirement.		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	14	

- Prep for success using the **Sophomore Guide**.
- Create a **technical resume**.

Term 4 46 - 62 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
⚠ MAE 213: Mechanics of Materials	3	C	
⚠ MAE 242: Introduction to Fluid Mechanics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 360: Aerodynamics (L)	3	C	<ul style="list-style-type: none"> <li>• Both AEE 360, AEE 361 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ AEE 361: Aerodynamics Laboratory	1	C	
MAE 241: Introduction to Thermodynamics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MAE 318: System Dynamics and Control I	4	C	
Term hours subtotal:	14		

Term 6 76 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 313: Aircraft Dynamics and Control	3	C	<ul style="list-style-type: none"> <li>• Both AEE 360, AEE 361 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
AEE 325: Aerospace Structures and Materials	4	C	
AEE 362: High-Speed Aerodynamics (L)	4	C	
Track Focus Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	17		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 478: Fundamentals of Autonomous Aircraft Systems	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
AEE 463: Aircraft Propulsion	3	C	
MAE 400: Engineering Profession (L)	3	C	
Upper Division Track Focus Course	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 479: Design of Autonomous Aircraft Systems	3	C	
AEE 462: Space Vehicle Dynamics and Control	3	C	
POS 325: Public Policy Development (SB) OR POS 300: Contemporary Global Controversies (SB & G) OR POS 370: Law and Society (SB) OR PHI 306: Applied Ethics (HU)	3		
Upper Division Track Focus Course	3	C	
Term hours subtotal:	12		

- Track Focus courses are listed below. Students must select 3 courses from the same track.

#### Hide Course List(s)/Track Group(s)

Communications Track	Guidance, Navigation, and Controls Track
EEE 203: Signals and Systems I	EEE 480: Feedback Systems
EEE 304: Signals and Systems II	EEE 481: Computer-Controlled Systems
EEE 350: Random Signal Analysis	EEE 582: Linear System Theory
EEE 455: Communication Systems	MAE 417: System Dynamics and Control II
EEE 459: Communication Networks	MAE 494: Guidance and Navigation of Aerospace Vehicles
*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor.	MAE 506: Advanced System Modeling, Dynamics, and Control
	*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor.

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Aviation), **BAS**

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSAMTABAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term hours subtotal:	60		

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 308: Air Transportation (G)	3	C	<ul style="list-style-type: none"> <li>• If MA requirement not already met with AAS degree, ASC 315 is recommended. If MA requirement already met with AAS degree, student should take an upper-division elective.</li> <li>• If SQ requirement not already met with AAS degree, ASC 325 is recommended. If SQ requirement already met with AAS degree, student should take an upper-division elective.</li> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
AMT Upper Division Elective	3	C	
Complete 3 courses:			
Upper Division Elective ( ASC 315 OR ASC 325 recommended)	10		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 442: Aviation Law and Regulations	3	C	<ul style="list-style-type: none"> <li>• If following the UAS focus area, students must first meet the prerequisites of AMT 170 and AMT 270.</li> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for a <a href="#">Fulton Schools 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
AMT 396: Aviation Professional	1	C	
Upper Division Focus Area	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	1		
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 408: National Aviation Policy	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Focus Area	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses:			
Any needed lower division General Studies requirement OR Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 489: Airline Administration	3	C	
Upper Division Focus Area	3	C	
AMT Upper Division Elective	3	C	
Upper Division Elective ( HST 319 recommended)	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Management Focus Area	Unmanned Aerial Systems Focus Area
AMT 491: Aviation Management Capstone	AMT 370: Unmanned Aircraft Systems
TMC 330: Leading the Enterprise	AMT 470: Unmanned Aircraft Payloads, Sensors, and Control Stations
TMC 470: Enterprise Planning and Implementation	AMT 495: Unmanned Aircraft Systems Operations

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Applied Science (Graphic Information Technology), BAS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSGITBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>Students may meet lower division general studies requirements with the AAS degree.</li> <li>Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 340: Information Design and Usability	3		
GIT 315: Digital Video Techniques	3		
GIT 384: Commercial Photography	3		
Focus Area	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Select a primary focus area consisting of 12 credit hours of focused courses (minimum of six hours must be upper division). Focus areas are listed below.</li> <li>Plan for success using the <a href="#">Junior Guide</a>.</li> <li>Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 303: Digital Publishing	3		
GIT 314: Multimedia Design, Planning and Storyboards	3		
Focus Area	3		
Complete 2 courses:	6		
Any needed lower division General Studies requirement OR Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Research and prepare for <a href="#">graduate school</a>.</li> <li>Apply for a <a href="#">Fulton Schools 4+1 program</a>.</li> <li>Develop a <a href="#">professional profile online</a>.</li> </ul>

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 450: Digital Workflow in Graphic Industries	3		
GIT 480: Senior Project	3		
Term hours subtotal:	6		<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> </ul>

Upper Division Focus Area	3
Complete 2 courses:	
Upper Division Elective	6
Term hours subtotal:	15

- Use **Handshake** to apply for full-time positions.
- Complete an in person or virtual **practice interview**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation	3		
GIT 432: Graphic Industry Business Practices	3		
Upper Division Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended)	3		
Term hours subtotal:	15		

- Students in the BAS Graphic Information Technology program select a primary focus area consisting of 12 credit hours of focused courses (minimum of six hours must be upper-division). Focus areas are listed below.

Hide Course List(s)/Track Group(s)

Commercial Photography and Video	Digital Design, Print, and Publishing	Front-End Web Design and Development
GIT 295: Introduction to Technical Imaging	GIT 250: Introduction to Commercial Print	GIT 215: Introduction to Web Authoring
GIT 334: Image Editing and Manipulation	GIT 333: Printing Technology	GIT 337: Web Content Design
GIT 415: Advanced Digital Video Techniques	GIT 334: Image Editing and Manipulation	GIT 414: Web Site Design and Internet/Web Technologies
GIT 490: Advanced Commercial Photography	GIT 437: Color Reproduction Systems	GIT 417: Advanced Web Markup and Scripting
GIT 494: Special Topics	GIT 494: Special Topics	GIT 418: Multimedia Authoring, Scripting and Production
	TWC 411: Principles of Visual Communication (L)	GIT 435: Website and E-Commerce Strategies
		GIT 494: Special Topics
Motion Graphics/Visual Effects		
GIT 211: Introduction to Video Game Art		
GIT 312: 3-D Computer Graphics Modeling and Representation (CS)		
GIT 334: Image Editing and Manipulation		
GIT 411: Computer Animation		
GIT 494: Special Topics		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Graphic Information Technology), **BAS**

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online, ASU Local@Los Angeles](#)

TSGITBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term hours subtotal:	60		

Term 5 - A 60 - 66 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 340: Information Design and Usability	3		<ul style="list-style-type: none"> <li>• Select a primary focus area consisting of 12 credit hours of focused courses (minimum of six hours must be upper division). Focus areas are listed below.</li> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
GIT 315: Digital Video Techniques	3		
Term hours subtotal:	6		

Term 5 - B 66 - 75 Credit Hours	Hours	Minimum Grade	Notes
GIT 384: Commercial Photography	3		
Focus Area	3		
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	9		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 303: Digital Publishing	3		<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for a <a href="#">Fulton Schools 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
Focus Area	3		
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	9		

Term 6 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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GIT 314: Multimedia Design, Planning and Storyboards	3
Any needed lower division General Studies requirement OR Elective	3
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).	
Term hours subtotal:	6

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 450: Digital Workflow in Graphic Industries	3		<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Focus Area	3		
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours	Hours	Minimum Grade	Notes
GIT 480: Senior Project	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	9		

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation	3		
Upper Division Focus Area	3		
Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended)	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
GIT 432: Graphic Industry Business Practices	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

- Students in the BAS Graphic Information Technology program select a primary focus area consisting of 12 credit hours of focused courses (minimum of six hours must be upper-division). Focus areas are listed below.

Hide Course List(s)/Track Group(s)

Digital Design, Print, and Publishing	Front-End Web Design and Development	Motion Graphics/Visual Effects
GIT 250: Introduction to Commercial Print	GIT 215: Introduction to Web Authoring	GIT 211: Introduction to Video Game Art
GIT 333: Printing Technology	GIT 337: Web Content Design	GIT 312: 3-D Computer Graphics Modeling and Representation (CS)
GIT 334: Image Editing and Manipulation	GIT 414: Web Site Design and Internet/Web Technologies	GIT 334: Image Editing and Manipulation
GIT 437: Color Reproduction Systems	GIT 417: Advanced Web Markup and Scripting	GIT 411: Computer Animation
GIT 494: Special Topics		GIT 494: Special Topics

TWC 411: Principles of Visual  
Communication (L)

GIT 418: Multimedia Authoring, Scripting  
and Production

GIT 435: Website and E-Commerce Strategies

GIT 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Internet and Web Development), **BAS**

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSIWDBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 215: Introduction to Web Authoring	3		
GIT 334: Image Editing and Manipulation	3		
GIT 340: Information Design and Usability	3		
Upper Division Elective	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 337: Web Content Design	3		
Complete 2 courses: Upper Division Elective	6		
Complete 2 courses: Any needed lower division General Studies requirement OR Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 417: Advanced Web Markup and Scripting	3		
★ GIT 480: Senior Project	3		
GIT 414: Web Site Design and Internet/Web Technologies	3		
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> </ul>

GIT 450: Digital Workflow in Graphic Industries	3
Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended)	3
Term hours subtotal:	15

- Complete an in person or virtual practice interview.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation	3		
GIT 432: Graphic Industry Business Practices	3		
GIT 435: Website and E-Commerce Strategies	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Applied Science (Internet and Web Development), **BAS**

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online, ASU Local@Los Angeles](#)

TSIWDBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term hours subtotal:	60		
Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 215: Introduction to Web Authoring	3		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
Upper Division Elective	3		
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	9		
Term 5 - B 69 - 75 Credit Hours	Hours	Minimum Grade	Notes
GIT 334: Image Editing and Manipulation	3		
GIT 340: Information Design and Usability	3		
Term hours subtotal:	6		
Term 6 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 337: Web Content Design	3		<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for a <a href="#">Fulton Schools 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	6		
Term 6 - B 81 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Complete 2 courses:	6		
Upper Division Elective			

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 9

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 480: Senior Project	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
GIT 414: Web Site Design and Internet/Web Technologies	3		
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 417: Advanced Web Markup and Scripting	3		
GIT 450: Digital Workflow in Graphic Industries	3		
Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended)	3		
Term hours subtotal:	9		

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation	3		
GIT 435: Website and E-Commerce Strategies	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
GIT 432: Graphic Industry Business Practices	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Operations Management), **BAS**

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#), [ASU@Pinal](#), [ASU@The Gila Valley](#)

TSIMCOBAS

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students transferring from a regionally accredited Arizona public community college may be able to transfer up to 15 additional credit hours of transferable general studies courses (75 credit hours total). Students should work with their academic advisor to ensure their courses will meet degree requirements.

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 401: Statistics in Science and Technology Studies (CS)	3	C	
★ TMC 110: Understanding the Enterprise	3	C	
TEM 330: Systems Innovation	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 330: Leading the Enterprise	3	C	
Complete 2 courses:			
Upper Division Focus Area Course	6	C	
Upper Division Elective	3		
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for a <a href="#">Fulton Schools 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TMC 410: Enterprise Operations	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
TMC 430: Enterprise Strategy and Innovation	3	C	
TMC 470: Enterprise Planning and Implementation	3	C	
Focus Area Course	3	C	
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TMC 498: Pro-Seminar (L)	3	C	
OMT 430: Ethical Issues in Technology	3	C	
Complete 2 courses:			
Upper Division Focus Area Course	6	C	
Any needed lower division General Studies requirement OR <b>Elective</b>	3		
Term hours subtotal:	15		

- Students in this program select a focus area consisting of 15 hours of focused courses (minimum of 12 hours upper-division). Focus areas are listed below. Please note that all focus area courses must come from a single area. If you have questions about your options, please contact your academic advisor.

Hide Course List(s)/Track Group(s)

Process Innovation	Technology Entrepreneurship
OMT 343: Occupational Safety and Ergonomics	FSE 301: Entrepreneurship and Value Creation
OMT 402: Legal Issues for Technologists	OMT 343: Occupational Safety and Ergonomics
TEM 230: Creativity and Business Innovation	OMT 402: Legal Issues for Technologists
TEM 250: Design Methodology	TEM 200: My Technology Venture
TEM 481: Consulting Project	TEM 230: Creativity and Business Innovation
TEM 494: Special Topics	TEM 250: Design Methodology
TMC 331: Quality Assurance	TEM 311: Opportunity Analysis
	TEM 400: Technology Entrepreneurship
	TEM 431: Innovation Management
	TEM 481: Consulting Project
	TEM 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Operations Management), BAS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online, ASU Local@Los Angeles](#)

TSIMCOBAS

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students transferring from a regionally accredited Arizona public community college may be able to transfer up to 15 additional credit hours of transferable general studies courses (75 credit hours total). Students should work with their academic advisor to ensure their courses will meet degree requirements.

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 - A 60 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 110: Understanding the Enterprise	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	9		

Term 5 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 401: Statistics in Science and Technology Studies (CS)	3	C	
TEM 330: Systems Innovation	3	C	
Term hours subtotal:	6		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>

Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 330: Leading the Enterprise	3	C	
Focus Area Course	3	C	
Term hours subtotal:	6		

Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★			

Upper Division Focus Area Course	3	C
Upper Division Elective	3	
Any needed lower division General Studies requirement OR Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	9	

- Select a focus area consisting of 15 hours of focused courses (minimum 12 hours of upper-division). Focus areas are listed below. Please note that all focus area courses must come from a single area. If you have questions about your options, please contact your academic advisor.
- Research and prepare for [graduate school](#).
- Apply for a [Fulton Schools 4+1 program](#).
- Develop a [professional profile online](#).

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 410: Enterprise Operations	3	C	
Upper Division Focus Area Course	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
TMC 430: Enterprise Strategy and Innovation	3	C	
TMC 470: Enterprise Planning and Implementation	3	C	
Term hours subtotal:	6		

- Plan for success using the [Senior Guide](#).
- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 498: Pro-Seminar (L)	3	C	
Upper Division Focus Area Course	3	C	
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
OMT 430: Ethical Issues in Technology	3	C	
Upper Division Focus Area Course	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		

- Students in this program select a focus area consisting of 15 hours of focused courses (minimum of 12 hours upper-division). Focus areas are listed below. Please note that all focus area courses must come from a single area. If you have questions about your options, please contact your academic advisor.

Hide Course List(s)/Track Group(s)

Process Innovation	Technology Entrepreneurship
OMT 343: Occupational Safety and Ergonomics	FSE 301: Entrepreneurship and Value Creation
OMT 402: Legal Issues for Technologists	OMT 343: Occupational Safety and Ergonomics



TEM 230: Creativity and Business Innovation	OMT 402: Legal Issues for Technologists
TEM 250: Design Methodology	TEM 200: My Technology Venture
TEM 481: Consulting Project	TEM 230: Creativity and Business Innovation
TEM 494: Special Topics	TEM 250: Design Methodology
TMC 331: Quality Assurance	TEM 311: Opportunity Analysis
	TEM 400: Technology Entrepreneurship
	TEM 431: Innovation Management
	TEM 481: Consulting Project
	TEM 494: Special Topics

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.


















## 2021 - 2022 Major Map


### Biomedical Engineering, BSE




School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Tempe campus](#)



ESBMEBSE




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 ASU 101-BME: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First-Year Seminar required of all students.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 CHM 114: General Chemistry for Engineers (SQ)	4	C		
 MAT 265: Calculus for Engineers I (MA)	3	C		
BME 100: Introduction to Biomedical Engineering	3	C		
BME 182: Biomedical Engineering Product Design and Development I	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 BIO 181: General Biology I (SQ)	4	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
BME 122: Statistics for Biomedical Engineers	2	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
 Complete BME 100.				
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C		
 PHY 132: University Physics Laboratory II (SQ)	1	C		

BME 213: Biomedical and Bioengineering Ethics	1	C
BME 214: FDA Regulatory Processes and Technical Communications	1	C
BME 210: Programming for Biomedical Engineers: Introduction to Computers, Programming and Data (CS)	3	C
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C
 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BME 200: Conservation Principles in Biomedical Engineering	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research</b> experience.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
 MAT 275: Modern Differential Equations (MA)	3	C	
BME 235: Physiology for Engineers	4	C	
BME 282: Biomedical Engineering Product Design and Development II	1	C	
EEE 202: Circuits I	4	C	
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Biomedical Devices Track OR Upper Division Biological Devices Track	3-4	C	<ul style="list-style-type: none"> <li>Select courses from the Biomedical Devices Track OR the Biological Devices Track (required courses listed in track groups below; must complete all courses within one track).</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
BME 318: Biomaterials	4	C	
BME 331: Transport Phenomena for Biomedical Engineering	3	C	
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Term hours subtotal:	14-15		

Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Biomedical Devices Track OR Upper Division Biological Devices Track	3	C	<ul style="list-style-type: none"> <li>Select course from the Biomedical Devices Track OR the Biological Devices Track (required courses listed in track groups below; must complete all courses within one track).</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
BME 300: Bioengineering Product Design	3	C	
BME 301: Numerical Methods in Biomedical Engineering	2	C	
BME 316: Biomechanics for Biomedical Engineers	3	C	
BME 340: Thermodynamics for Biomedical Engineers	3	C	
BME 382: Biomedical Engineering Product Design and Development III	1	C	
Term hours subtotal:	15		

Term 7 90 - 104 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BME 417: Biomedical Engineering Capstone Design I (L)	4	C	<ul style="list-style-type: none"> <li>The general studies requirements for HU, SB, and the awareness areas do not have to be taken in exact combinations (as outlined on the major map). By the end of term 8, all must be completed; however, the combinations may vary.</li> </ul>
 Upper Division Biomedical Devices Track OR Upper Division Biological Devices Track	4-3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Related Elective	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 14-13

- Select your Upper Division Related Elective courses from the approved list. Course options can be found below or [here](#).
- Plan for success using the [Senior Guide](#).
- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BME 490: Biomedical Engineering Capstone Design II (L)	4	C	<ul style="list-style-type: none"> <li>• The general studies requirements for HU, SB, and the awareness areas do not have to be taken in exact combinations (as outlined on the major map). By the end of term 8, all must be completed; however, the combinations may vary.</li> <li>• Select your Upper Division Related Elective courses from the approved list. Course options can be found below or <a href="#">here</a>.</li> </ul>
Upper Division Related Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

Biomedical Devices Track	Biological Devices Track	Upper Division Related Electives
BME 350: Signals and Systems for Bioengineers	BIO 353: Cell Biology AND BME 362: Methods in Molecular and Cellular Biology	ACC 382: Accounting and Financial Analysis
BME 370: Microcomputer Applications in Biomedical Engineering	BME 360: Control in Biological Systems	BCH 361: Advanced Principles of Biochemistry
BME 413: Biomedical Instrumentation (L) AND BME 423: Biomedical Instrumentation Laboratory (L)	BME 467: Tissue Engineering and Regenerative Medicine	BCH 367: Elementary Biochemistry Laboratory
		BCH 461: General Biochemistry
		BCH 462: General Biochemistry
		BCH 467: Analytical Biochemistry Laboratory (L)
		BIO 302: Cancer--Mother of All Diseases (L)
		BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
		BIO 331: Animal Behavior
		BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)
		BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins
		BIO 345: Evolution
		BIO 360: Animal Physiology

BIO 440: Functional Genomics or MBB 440:  
Functional Genomics

BIO 467: Neurobiology

BME 394: Honors Research

BME 394: SBHSE Research Projects

BME 492: Honors Directed Study

BME 493: Honors Thesis (L)

BMI 311: Modeling Biomedical Knowledge

BMI 465: Introduction to Comparative  
Genomics

BUA 380: Small Business Leadership

BUA 381: Small Business Accounting and  
Finance

BUA 383: Small Business Working  
Relationships

BUS 384: Business Operations and Planning

CEE 384: Numerical Methods for Engineers  
(CS) or MAE 384: Advanced Mathematical  
Methods for Engineers (CS)

CHE 475: Biochemical Engineering

CHM 302: Environmental Chemistry

CHM 325: Analytical Chemistry

CHM 326: Advanced Analytical Chemistry  
Laboratory

CHM 341: Elementary Physical Chemistry or  
BCH 341: Physical Chemistry with a  
Biological Focus

CIS 300: Web Design and Development

COM 312: Communication, Conflict, and  
Negotiation

CSE 310: Data Structures and Algorithms

CSE 340: Principles of Programming  
Languages

CSE 412: Database Management

DAT 301: Exploring Data in R and Python

ECN 306: Survey of International Economics  
(SB & G)

Upper Division Related Electives continued

Upper Division Related Electives, continued

EDP 310: Developing as a Leader (SB)

MEE 322: Structural Mechanics

EDP 310: Emotional Intelligence (SB)

MEE 340: Heat Transfer

EDP 310: Gender Development (SB)	MGT 300: Organization and Management Leadership
EDP 310: Learning and Memory (SB)	
EDP 310: Motivation (SB)	MGT 302: Principles of International Business (G)
EDP 310: Understanding the Brain (SB)	MGT 380: Management and Strategy for Nonmajors
EEE 307: Signal Processing for Digital Culture	MIC 314: HIV/AIDS: Science, Behavior, and Society
EEE 334: Circuits II	
EEE 350: Random Signal Analysis	MIC 360: Bacterial Physiology
EEE 352: Properties of Electronic Materials	MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations
EEE 407: Digital Signal Processing	
EEE 480: Feedback Systems	MKT 300: Marketing and Business Performance
EEE 481: Computer-Controlled Systems	
ENT 305: Principles of Entrepreneurship	MKT 370: Professional Sales and Relationship Management
FIN 300: Fundamentals of Finance	
FIN 380: Personal Financial Management	MKT 390: Essentials of Marketing
FSE 301: Entrepreneurship and Value Creation or ENT 360: Entrepreneurship and Value Creation	MKT 391: Essentials of Selling
HCR 350: Introduction to Clinical Research	MSE 301: Materials and Civilization
IEE 300: Economic Analysis for Engineers	MSE 330: Thermodynamics of Materials
IEE 320: Extreme Excel	MSE 335: Materials Kinetics
IEE 369: Work Analysis and Design (L)	MSE 355: Structure and Defects
IEE 381: Lean Six Sigma Methodology	MSE 356: Thin Film and Microelectronic Devices Lab
IEE 431: Engineering Administration (L)	MSE 415: Mathematical and Computer Methods in Materials (CS)
IND 464: Collaborative Design Development I (L)	MSE 420: Advanced Metallurgical Alloys and Processes
IND 465: Collaborative Design Development II (L)	MSE 421: Physical Metallurgy Laboratory
KIN 334: Functional Anatomy and Kinesiology	MSE 440: Mechanical Behavior of Materials
KIN 340: Physiology of Exercise	MSE 442: Fatigue, Fracture, and Creep of Materials
KIN 412: Biomechanics of the Skeletal System	MSE 450: Introduction to Materials Characterization
KIN 413: Qualitative Analysis in Sport Biomechanics	MSE 451: Nanomaterials and Electronics Characterization Lab
KIN 414: Electromyographic Kinesiology (L)	MSE 458: Electronic, Magnetic, and Optical Properties
KIN 440: Exercise Biochemistry	MSE 460: Nanomaterials in Energy Production and Storage
LES 305: Business Law and Ethics for Managers	MSE 470: Polymers and Composites
	MSE 471: Introduction to Ceramics

LES 380: Consumer Perspective of Business Law	MSE 482: Materials Engineering Design (L)
LSC 347: Fundamentals of Genetics	NTR 457: Sports Nutrition
MAE 318: System Dynamics and Control I	PAF 301: Applied Statistics (CS)
MAE 341: Mechanism Analysis and Design	PAF 410: Building Leadership Skills (SB)
MAE 417: System Dynamics and Control II	PHI 306: Applied Ethics (HU)
MAT 300: Mathematical Structures (L)	PHI 313: Probability, Evidence, and Decision
MAT 310: Introduction to Geometry	PHY 361: Introductory Modern Physics
MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra	PSY 325: Physiological Psychology
MAT 451: Mathematical Modeling (CS)	PSY 470: Psychopharmacology
MAT 460: Vector Calculus	SCM 300: Global Supply Operations
MAT 462: Applied Partial Differential Equations	SOC 334: Technology and Society (L or SB)
MBB 343: Genetic Engineering and Society (L) or BIO 343: Genetic Engineering and Society (L)	STP 421: Probability
	STP 429: Applied Regression (CS)
	STS 304: Science, Technology, and Society (SB)
	STS 332: Global Issues in Science and Technology (SB)
	TEM 330: Systems Innovation
	TWC 446: Technical and Scientific Reports (L)
	TWC 451: Copyright and Intellectual Property in the Electronic Age

**Notes:**

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- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




















## 2021 - 2022 Major Map

### Biomedical Engineering (Biological Devices), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESBMEBDBSE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 ASU 101-BME: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>If ENG 105 is taken, a three credit hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 CHM 114: General Chemistry for Engineers (SQ)	4	C		
 MAT 265: Calculus for Engineers I (MA)	3	C		
BME 100: Introduction to Biomedical Engineering	3	C		
BME 182: Biomedical Engineering Product Design and Development I	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 BIO 181: General Biology I (SQ)	4	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
BME 122: Statistics for Biomedical Engineers	2	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
 Complete BME 100 course(s).				
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C		
 PHY 132: University Physics Laboratory II (SQ)	1	C		

BME 210: Programming for Biomedical Engineers: Introduction to Computers, Programming and Data (CS) 3 C

BME 213: Biomedical and Bioengineering Ethics 1 C

BME 214: FDA Regulatory Processes and Technical Communications 1 C

ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) 3 C

⚠ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 46 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
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⚠ MAT 275: Modern Differential Equations (MA) 3 C

⚠ BME 200: Conservation Principles in Biomedical Engineering 3 C

BME 235: Physiology for Engineers 4 C

BME 282: Biomedical Engineering Product Design and Development II 1 C

EEE 202: Circuits I 4 C

Term hours subtotal: 15

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BIO 353: Cell Biology 3 C

BME 318: Biomaterials 4 C

BME 331: Transport Phenomena for Biomedical Engineering 3 C

BME 362: Methods in Molecular and Cellular Biology 1 C

CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) 4 C

Term hours subtotal: 15

- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BME 360: Control in Biological Systems 3 C

BME 300: Bioengineering Product Design 3 C

BME 301: Numerical Methods in Biomedical Engineering 2 C

BME 316: Biomechanics for Biomedical Engineers 3 C

BME 340: Thermodynamics for Biomedical Engineers 3 C

BME 382: Biomedical Engineering Product Design and Development III 1 C

Term hours subtotal: 15

- Research and prepare for graduate school.
- Apply for an engineering 4+1 program.
- Develop a professional profile online.

Term 7 91 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BME 417: Biomedical Engineering Capstone Design I (L) 4 C

BME 467: Tissue Engineering and Regenerative Medicine 3 C

Upper Division Related Elective 3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

- Select your Upper Division Related Elective courses from the approved list found below or here.
- The general studies requirements for HU, SB, and the awareness areas do not have to be taken in exact combinations (as outlined on

Term hours subtotal: 13

the major map). By the end of term 8, all must be completed; however, the combinations may vary.

- Plan for success using the [Senior Guide](#).
- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BME 490: Biomedical Engineering Capstone Design II (L)	4	C	<ul style="list-style-type: none"> <li>• Select your Upper Division Related Elective courses from the approved list found below or <a href="#">here</a>.</li> <li>• The general studies requirements for HU, SB, and the awareness areas do not have to be taken in exact combinations (as outlined on the major map). By the end of term 8, all must be completed; however, the combinations may vary.</li> </ul>
Upper Division Related Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

Upper Division Related Electives	Upper Division Related Electives continued	Upper Division Related Electives, continued
ACC 382: Accounting and Financial Analysis	EDP 310: Developing as a Leader (SB)	MEE 322: Structural Mechanics
BCH 361: Advanced Principles of Biochemistry	EDP 310: Emotional Intelligence (SB)	MEE 340: Heat Transfer
BCH 367: Elementary Biochemistry Laboratory	EDP 310: Gender Development (SB)	MGT 300: Organization and Management Leadership
BCH 461: General Biochemistry	EDP 310: Learning and Memory (SB)	MGT 302: Principles of International Business (G)
BCH 462: General Biochemistry	EDP 310: Motivation (SB)	MGT 380: Management and Strategy for Nonmajors
BCH 467: Analytical Biochemistry Laboratory (L)	EDP 310: Understanding the Brain (SB)	MIC 314: HIV/AIDS: Science, Behavior, and Society
BIO 302: Cancer--Mother of All Diseases (L)	EEE 307: Signal Processing for Digital Culture	MIC 360: Bacterial Physiology
BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)	EEE 334: Circuits II	MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations
BIO 331: Animal Behavior	EEE 350: Random Signal Analysis	MKT 300: Marketing and Business Performance
BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins	EEE 352: Properties of Electronic Materials	MKT 370: Professional Sales and Relationship Management
BIO 345: Evolution	EEE 407: Digital Signal Processing	MKT 390: Essentials of Marketing
BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)	EEE 480: Feedback Systems	MKT 391: Essentials of Selling
BIO 360: Animal Physiology	EEE 481: Computer-Controlled Systems	MSE 301: Materials and Civilization
	ENT 305: Principles of Entrepreneurship	
	FIN 300: Fundamentals of Finance	
	FIN 380: Personal Financial Management	
	FSE 301: Entrepreneurship and Value Creation or ENT 360: Entrepreneurship and Value Creation	

BIO 440: Functional Genomics or MBB 440: Functional Genomics	HCR 350: Introduction to Clinical Research	MSE 330: Thermodynamics of Materials
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	IEE 300: Economic Analysis for Engineers	MSE 335: Materials Kinetics
BIO 467: Neurobiology	IEE 320: Extreme Excel	MSE 355: Structure and Defects
BME 394: Honors Research	IEE 369: Work Analysis and Design (L)	MSE 356: Thin Film and Microelectronic Devices Lab
BME 394: SBHSE Research Projects	IEE 381: Lean Six Sigma Methodology	MSE 415: Mathematical and Computer Methods in Materials (CS)
BME 492: Honors Directed Study	IEE 431: Engineering Administration (L)	MSE 420: Advanced Metallurgical Alloys and Processes
BME 493: Honors Thesis (L)	IND 464: Collaborative Design Development I (L)	MSE 421: Physical Metallurgy Laboratory
BMI 311: Modeling Biomedical Knowledge	IND 465: Collaborative Design Development II (L)	MSE 440: Mechanical Behavior of Materials
BMI 465: Introduction to Comparative Genomics	KIN 334: Functional Anatomy and Kinesiology	MSE 442: Fatigue, Fracture, and Creep of Materials
BUA 380: Small Business Leadership	KIN 340: Physiology of Exercise	MSE 450: Introduction to Materials Characterization
BUA 381: Small Business Accounting and Finance	KIN 412: Biomechanics of the Skeletal System	MSE 451: Nanomaterials and Electronics Characterization Lab
BUA 383: Small Business Working Relationships	KIN 413: Qualitative Analysis in Sport Biomechanics	MSE 458: Electronic, Magnetic, and Optical Properties
BUS 384: Business Operations and Planning	KIN 414: Electromyographic Kinesiology (L)	MSE 460: Nanomaterials in Energy Production and Storage
CEE 384: Numerical Methods for Engineers (CS) or MAE 384: Advanced Mathematical Methods for Engineers (CS)	KIN 440: Exercise Biochemistry	MSE 470: Polymers and Composites
CHE 475: Biochemical Engineering	LES 305: Business Law and Ethics for Managers	MSE 471: Introduction to Ceramics
CHM 302: Environmental Chemistry	LES 380: Consumer Perspective of Business Law	MSE 482: Materials Engineering Design (L)
CHM 325: Analytical Chemistry	LSC 347: Fundamentals of Genetics	NTR 457: Sports Nutrition
CHM 326: Advanced Analytical Chemistry Laboratory	MAE 318: System Dynamics and Control I	PAF 301: Applied Statistics (CS)
CHM 341: Elementary Physical Chemistry or BCH 341: Physical Chemistry with a Biological Focus	MAE 341: Mechanism Analysis and Design	PAF 410: Building Leadership Skills (SB)
CIS 300: Web Design and Development	MAE 417: System Dynamics and Control II	PHI 306: Applied Ethics (HU)
COM 312: Communication, Conflict, and Negotiation	MAT 300: Mathematical Structures (L)	PHI 313: Probability, Evidence, and Decision
CSE 310: Data Structures and Algorithms	MAT 310: Introduction to Geometry	PHY 361: Introductory Modern Physics
CSE 340: Principles of Programming Languages	MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra	PSY 325: Physiological Psychology
CSE 412: Database Management	MAT 451: Mathematical Modeling (CS)	PSY 470: Psychopharmacology
DAT 301: Exploring Data in R and Python	MAT 460: Vector Calculus	SCM 300: Global Supply Operations
ECN 306: Survey of International Economics (SB & G)	MAT 462: Applied Partial Differential Equations	SOC 334: Technology and Society (L or SB)
	MBB 343: Genetic Engineering and Society (L) or BIO 343: Genetic Engineering and Society (L)	STP 421: Probability
		STP 429: Applied Regression (CS)
		STS 304: Science, Technology and Society (SB)
		STS 332: Global Issues in Science and Technology (SB)

TEM 330: Systems Innovation

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TWC 446: Technical and Scientific Reports  
(L)

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TWC 451: Copyright and Intellectual Property  
in the Electronic Age

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.


















## 2021 - 2022 Major Map


### Biomedical Engineering (Biomedical Devices), BSE




School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Tempe campus](#)



ESBMEMDBSE




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 ASU 101-BME: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all students.</li> <li>If ENG 105 is taken, a three credit hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 CHM 114: General Chemistry for Engineers (SQ)	4	C		
 MAT 265: Calculus for Engineers I (MA)	3	C		
BME 100: Introduction to Biomedical Engineering	3	C		
BME 182: Biomedical Engineering Product Design and Development I	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 BIO 181: General Biology I (SQ)	4	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
BME 122: Statistics for Biomedical Engineers	2	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
 Complete BME 100 course(s).				
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C		
 PHY 132: University Physics Laboratory II (SQ)	1	C		

BME 210: Programming for Biomedical Engineers: Introduction to Computers, Programming and Data (CS)	3	C
BME 213: Biomedical and Bioengineering Ethics	1	C
BME 214: FDA Regulatory Processes and Technical Communications	1	C
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C
 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BME 200: Conservation Principles in Biomedical Engineering	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
 MAT 275: Modern Differential Equations (MA)	3	C	
BME 235: Physiology for Engineers	4	C	
BME 282: Biomedical Engineering Product Design and Development II	1	C	
EEE 202: Circuits I	4	C	
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BME 350: Signals and Systems for Bioengineers	3	C	<ul style="list-style-type: none"> <li>Plan for success using the Junior Guide.</li> <li>Network at student organization competitions or professional societies.</li> </ul>
BME 318: Biomaterials	4	C	
BME 331: Transport Phenomena for Biomedical Engineering	3	C	
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Term hours subtotal:	14		

Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BME 370: Microcomputer Applications in Biomedical Engineering	3	C	<ul style="list-style-type: none"> <li>Research and prepare for graduate school.</li> <li>Apply for an engineering 4+1 program.</li> <li>Develop a professional profile online.</li> </ul>
BME 300: Bioengineering Product Design	3	C	
BME 301: Numerical Methods in Biomedical Engineering	2	C	
BME 316: Biomechanics for Biomedical Engineers	3	C	
BME 340: Thermodynamics for Biomedical Engineers	3	C	
BME 382: Biomedical Engineering Product Design and Development III	1	C	
Term hours subtotal:	15		

Term 7 90 - 104 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BME 417: Biomedical Engineering Capstone Design I (L)	4	C	<ul style="list-style-type: none"> <li>Select your Upper Division Related Elective courses from the approved list found below or <a href="#">here</a>.</li> <li>The general studies requirements for HU or SB and the awareness areas do not have to be taken in exact combinations (as outlined on major map). By the end of term 8, all need to be completed, however the combinations may vary.</li> <li>Plan for success using the Senior Guide.</li> </ul>
BME 413: Biomedical Instrumentation (L)	3	C	
BME 423: Biomedical Instrumentation Laboratory (L)	1	C	
Upper Division Related Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			



Term hours subtotal: 14

- Use **Handshake** to apply for full-time positions.
- Complete an in person or virtual **practice interview**.

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BME 490: Biomedical Engineering Capstone Design II (L)	4	C	
Upper Division Related Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	16		

- Select your Upper Division Related Elective courses from the approved list found below or [here](#).
- The general studies requirements for HU or SB and the awareness areas do not have to be taken in exact combinations (as outlined on major map). By the end of term 8, all need to be completed, however the combinations may vary.

Hide Course List(s)/Track Group(s)

Upper Division Related Electives	Upper Division Related Electives continued	Upper Division Related Electives, continued
ACC 382: Accounting and Financial Analysis	EDP 310: Developing as a Leader (SB)	MEE 322: Structural Mechanics
BCH 361: Advanced Principles of Biochemistry	EDP 310: Emotional Intelligence (SB)	MEE 340: Heat Transfer
BCH 367: Elementary Biochemistry Laboratory	EDP 310: Gender Development (SB)	MGT 300: Organization and Management Leadership
BCH 461: General Biochemistry	EDP 310: Learning and Memory (SB)	MGT 302: Principles of International Business (G)
BCH 462: General Biochemistry	EDP 310: Motivation (SB)	MGT 380: Management and Strategy for Nonmajors
BCH 467: Analytical Biochemistry Laboratory (L)	EDP 310: Understanding the Brain (SB)	MIC 314: HIV/AIDS: Science, Behavior, and Society
BIO 302: Cancer--Mother of All Diseases (L)	EEE 307: Signal Processing for Digital Culture	MIC 360: Bacterial Physiology
BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)	EEE 334: Circuits II	MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations
BIO 331: Animal Behavior	EEE 350: Random Signal Analysis	MKT 300: Marketing and Business Performance
BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins	EEE 352: Properties of Electronic Materials	MKT 370: Professional Sales and Relationship Management
BIO 345: Evolution	EEE 407: Digital Signal Processing	MKT 390: Essentials of Marketing
BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)	EEE 480: Feedback Systems	MKT 391: Essentials of Selling
BIO 360: Animal Physiology	EEE 481: Computer-Controlled Systems	MSE 301: Materials and Civilization
BIO 440: Functional Genomics or MBB 440: Functional Genomics	ENT 305: Principles of Entrepreneurship	MSE 330: Thermodynamics of Materials
	FIN 300: Fundamentals of Finance	MSE 335: Materials Kinetics
	FIN 380: Personal Financial Management	MSE 355: Structure and Defects
	FSE 301: Entrepreneurship and Value Creation or ENT 360: Entrepreneurship and Value Creation	
	HCR 350: Introduction to Clinical Research	
	IEE 300: Economic Analysis for Engineers	



BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	IEE 320: Extreme Excel	MSE 356: Thin Film and Microelectronic Devices Lab
BIO 467: Neurobiology	IEE 369: Work Analysis and Design (L)	MSE 415: Mathematical and Computer Methods in Materials (CS)
BME 394: Honors Research	IEE 381: Lean Six Sigma Methodology	MSE 420: Advanced Metallurgical Alloys and Processes
BME 394: SBHSE Research Projects	IEE 431: Engineering Administration (L)	MSE 421: Physical Metallurgy Laboratory
BME 492: Honors Directed Study	IND 464: Collaborative Design Development I (L)	MSE 440: Mechanical Behavior of Materials
BME 493: Honors Thesis (L)	IND 465: Collaborative Design Development II (L)	MSE 442: Fatigue, Fracture, and Creep of Materials
BMI 311: Modeling Biomedical Knowledge	KIN 334: Functional Anatomy and Kinesiology	MSE 450: Introduction to Materials Characterization
BMI 465: Introduction to Comparative Genomics	KIN 340: Physiology of Exercise	MSE 451: Nanomaterials and Electronics Characterization Lab
BUA 380: Small Business Leadership	KIN 412: Biomechanics of the Skeletal System	MSE 458: Electronic, Magnetic, and Optical Properties
BUA 381: Small Business Accounting and Finance	KIN 413: Qualitative Analysis in Sport Biomechanics	MSE 460: Nanomaterials in Energy Production and Storage
BUA 383: Small Business Working Relationships	KIN 414: Electromyographic Kinesiology (L)	MSE 470: Polymers and Composites
BUS 384: Business Operations and Planning	KIN 440: Exercise Biochemistry	MSE 471: Introduction to Ceramics
CEE 384: Numerical Methods for Engineers (CS) or MAE 384: Advanced Mathematical Methods for Engineers (CS)	LES 305: Business Law and Ethics for Managers	MSE 482: Materials Engineering Design (L)
CHE 475: Biochemical Engineering	LES 380: Consumer Perspective of Business Law	NTR 457: Sports Nutrition
CHM 302: Environmental Chemistry	LSC 347: Fundamentals of Genetics	PAF 301: Applied Statistics (CS)
CHM 325: Analytical Chemistry	MAE 318: System Dynamics and Control I	PAF 410: Building Leadership Skills (SB)
CHM 326: Advanced Analytical Chemistry Laboratory	MAE 341: Mechanism Analysis and Design	PHI 306: Applied Ethics (HU)
CHM 341: Elementary Physical Chemistry or BCH 341: Physical Chemistry with a Biological Focus	MAE 417: System Dynamics and Control II	PHI 313: Probability, Evidence, and Decision
CIS 300: Web Design and Development	MAT 300: Mathematical Structures (L)	PHY 361: Introductory Modern Physics
COM 312: Communication, Conflict, and Negotiation	MAT 310: Introduction to Geometry	PSY 325: Physiological Psychology
CSE 310: Data Structures and Algorithms	MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra	PSY 470: Psychopharmacology
CSE 340: Principles of Programming Languages	MAT 451: Mathematical Modeling (CS)	SCM 300: Global Supply Operations
CSE 412: Database Management	MAT 460: Vector Calculus	SOC 334: Technology and Society (L or SB)
DAT 301: Exploring Data in R and Python	MAT 462: Applied Partial Differential Equations	STP 421: Probability
ECN 306: Survey of International Economics (SB & G)	MBB 343: Genetic Engineering and Society (L) or BIO 343: Genetic Engineering and Society (L)	STP 429: Applied Regression (CS)
		STS 304: Science, Technology and Society (SB)
		STS 332: Global Issues in Science and Technology (SB)
		TEM 330: Systems Innovation
		TWC 446: Technical and Scientific Reports (L)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map








### Chemical Engineering, BSE





School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCHBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First-Year Seminar required of all first-year students.</li> <li>FSE 100 required for first-year students and should be completed the first semester. Non-first-year students: see advisor for petitioning replacement electives.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 FSE 100: Introduction to Engineering	2	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CHE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHE 211: Introduction to Chemical Processing	3	C	<ul style="list-style-type: none"> <li>For more information about Bioscience Elective course options, please visit <a href="#">here</a>.</li> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	

CHM 233: General Organic Chemistry I	3	C
CHM 237: General Organic Chemistry Laboratory I	1	C
Bioscience Elective	3	
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

Term 4 45 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ CHE 231: Introduction to Transport Phenomena I: Fluids	3	C	<ul style="list-style-type: none"> <li>For more information about the Engineering Elective, please visit <a href="#">here</a>.</li> <li>Pursue an <a href="#">undergraduate research experience</a>.</li> <li>Apply for <a href="#">internships</a>.</li> <li>Attend <a href="#">career fairs and events</a>.</li> </ul>
❖ MAT 275: Modern Differential Equations (MA)	3	C	
❖ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
CHM 234: General Organic Chemistry II	3	C	
Engineering Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHE 334: Introduction to Transport Phenomena II: Heat and Mass Transfer	3	C	<ul style="list-style-type: none"> <li>For more information about the Upper Division Advanced Chemistry/Biochemistry Technical Elective, please visit <a href="#">here</a>.</li> <li>Plan for success using the <a href="#">Junior Guide</a>.</li> <li>Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
★ CHE 342: Introduction to Applied Chemical Thermodynamics	3	C	
CHE 384: Numerical Methods for Chemical Engineers (CS)	3	C	
Upper Division Advanced Chemistry/Biochemistry Technical Elective	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHE 433: Modern Separations	3	C	<ul style="list-style-type: none"> <li>Research and prepare for <a href="#">graduate school</a>.</li> <li>Apply for an <a href="#">engineering 4+1 program</a>.</li> <li>Develop a <a href="#">professional profile online</a>.</li> </ul>
★ CHE 442: Introduction to Chemical Reactor Design	3	C	
CHE 352: Chemical Engineering Lab I (L)	3	C	
IEE 220: Business and Industrial Engineering	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHE 432: Principles of Chemical Engineering Design	3	C	<ul style="list-style-type: none"> <li>For more information about Upper Division CHE Technical Electives, please visit <a href="#">here</a>.</li> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
CHE 451: Chemical Engineering Laboratory II	3		
CHE 461: Process Dynamic Control (CS)	3		
Upper Division CHE Technical Elective	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CHE 462: Process Design (L)	3
Upper Division Advanced Chemistry/Biochemistry Technical Elective	3
Upper Division CHE Technical Elective	3
Upper Division Natural Science or Materials Science Technical Elective	3
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Term hours subtotal:	15

- For more information about Upper Division Advanced Chemistry/Biochemistry Technical Electives, Upper Division CHE Technical Electives, and Upper Division Natural Science or Materials Science Technical Electives, please visit: [CHE Elective Course Options](#)

- For a list of Engineering Electives, Upper Division Advanced Chemistry/Biochemistry Technical Electives, CHE Upper Division Technical Electives, and Upper Division Natural Science or MSE Technical Elective course options please visit: [CHE Elective Course Options](#).

Hide Course List(s)/Track Group(s)

Bioscience Electives	Engineering Elective	Upper Division CHE Technical Electives
BIO 181: General Biology I (SQ)	BME 235: Physiology for Engineers	CHE 4** Elective
BIO 182: General Biology II (SG)	BME 494: Bioenergy and Microbial Biotechnology	By approval only:
BIO 201: Human Anatomy and Physiology I (SG)	BME 494: Biomedical Device Design	CHE 484: Internship
BIO 202: Human Anatomy and Physiology II (SG)	BME 494: Finite Element Modeling for Biomedical Application	CHE 492: Honors Directed Study
BME 111: Engineering Perspectives on Biological Systems	BME 494: Molecular Medicine	CHE 493: Honors Thesis (L)
MIC 205: Microbiology (SG)	BME 494: Molecular Synthetic Biology	CHE 499: Individualized Instruction
MIC 220: Biology of Microorganisms	CEE 210: Engineering Mechanics I: Statics	
	CEE 400: Earth Systems Engineering and Management ((L or HU) & H)	
	CEE 494: Sustainable Energy and Material Use	
	CSE 205: Object-Oriented Programming and Data Structures (CS)	
	EEE 202: Circuits I	
	EEE 241: Fundamentals of Electromagnetics	
	EEE 498: Manufacturing Science of Solar Cells	
	EGR 494: Engineering in Semiconductors and Microelectronics	
	FSE 301: Entrepreneurship and Value Creation	
	FSE 394: Engineering in Global Context	
	IEE 300: Economic Analysis for Engineers	

IEE 380: Probability and Statistics for Engineering Problem Solving (CS)

IEE 385: Engineering Statistics: Probability

MSE 250: Structure and Properties of Materials

MSE 460: Nanomaterials in Energy Production and Storage

MSE 494: Bioinspired Materials and Biomaterials

MSE 494: Electrochemical Materials Science

MSE 494: Failure Analysis of Metallic Materials

MSE 494: Introduction to Computational Materials

MSE 494: Manufacturing Processes for Structural Materials

Note: MSE 208, 301, or 308 cannot be used.

Note: Students taking IEE 380 or IEE 385 cannot take STP 420 or STP 421 for Natural Science/Materials Elective.

Upper Division Advanced Chemistry/Biochemistry Technical Elective

Upper Division Natural Science or Materials Science Technical Electives

BCH 341: Physical Chemistry with a Biological Focus

BCH 494: Bioenergy and Microbial Biotechnology

BCH 361: Advanced Principles of Biochemistry

BCH 494: Chemical Biology

BCH 461: General Biochemistry

BCH 494: Protein Biochemistry

BCH 463: Biophysical Chemistry

BIO 302: Cancer--Mother of All Diseases (L)

BCH 494: Chemical Biology

BIO 320: Fundamentals of Ecology

BCH 494: Protein Biochemistry

BIO 325: Oceanography

CHM 302: Environmental Chemistry

BIO 340: General Genetics

CHM 325: Analytical Chemistry or CHM 341: Elementary Physical Chemistry or CHM 345: Physical Chemistry I

BIO 353: Cell Biology

CHM 433: Advanced Organic Chemistry I

BIO 494: Environmental Systems Biology

CHM 435: Medicinal Chemistry

BME 494: Bioenergy and Microbial Biotechnology

CHM 453: Inorganic Chemistry

BME 494: Biomedical Device Design

CHM 471: Solid-State Chemistry

BME 494: Finite Element Modeling for Biomedical Application

CHM 481: Geochemistry

BME 494: Molecular Medicine

CHM 494: Bioinorganic

BME 494: Molecular Synthetic Biology

CHM 494: Chemistry of Atmospheres

CEE 494: Sustainable Energy and Material Use

CHM 494: Thermodynamics of Natural Systems

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EEE 352: Properties of Electronic Materials

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EEE 435: Fundamentals of CMOS and MEMS

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EEE 436: Fundamentals of Solid-State Devices

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EEE 460: Nuclear Power Engineering

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EEE 463: Electrical Power Plants

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EEE 465: Photovoltaic Energy Conversion

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EEE 498: Manufacturing Science of Solar Cells

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GLG 321: Mineralogy

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GLG 418: Geophysics

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GLG 419: Geodynamics

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GLG 481: Geochemistry

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GLG 494: Environmental Systems Biology

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MAE 404: Finite Elements in Engineering

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MBB 347: Molecular Genetics: From Genes to Proteins

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MIC 360: Bacterial Physiology

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MIC 420: Immunology: Molecular and Cellular Foundations

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MIC 441: Bacterial Genetics

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MIC 445: Techniques in Molecular Biology/Genetics

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MIC 461: Geomicrobiology

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MSE 355: Structure and Defects

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MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids

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MSE 460: Nanomaterials in Energy Production and Storage

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MSE 494: Bioinspired Materials and Biomaterials

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MSE 494: Composite Materials

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MSE 494: Electrochemical Materials Science

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MSE 494: Failure Analysis of Metallic Materials

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MSE 494: Introduction to Computational Materials

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MSE 494: Manufacturing Processes for Structural Materials

---

PHY 312: Mechanics and Electromagnetism

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PHY 331: Principles of Modern  
Electromagnetism

PHY 361: Introductory Modern Physics

PHY 494: Introduction to Nanoscience

STP 420: Introductory Applied Statistics (CS)

null null: null

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.


















## 2021 - 2022 Major Map

### Civil Engineering, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCEEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 FSE 100: Introduction to Engineering	2	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be completed the first semester.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 MAT 265: Calculus for Engineers I (MA)	3	C		
ASU 101-CEE: The ASU Experience	1			
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 MAT 242: Elementary Linear Algebra	2	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Humanities, Arts and Design (HU)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CEE 210: Engineering Mechanics I: Statics	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 MAT 267: Calculus for Engineers III (MA)	3	C		
 MAT 275: Modern Differential Equations (MA)	3	C		

⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
⚠ PHY 132: University Physics Laboratory II (SQ)	1	C
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	
⚠ Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 47 - 62 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CEE 212: Engineering Mechanics II: Dynamics	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research</b> experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
⚠ CEE 213: Introduction to Deformable Solids	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ)	3-4		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
MAE 241: Introduction to Thermodynamics	3		
Term hours subtotal:	15-16		

Term 5 62 - 77 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ CEE 321: Structural Analysis and Design	4		<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CEE 351: Geotechnical Engineering	4		
CEE 353: Civil Engineering Materials	4		
CEE 384: Numerical Methods for Engineers (CS)	3		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ CEE 300: Engineering Business Practice (L)	3		<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
⭐ CEE 361: Introduction to Environmental Engineering	4		
CEE 341: Fluid Mechanics for Civil Engineers	4		
CEE 372: Transportation Engineering	3		
BIO OR CEE OR CHM OR GLG OR MAE OR MAT OR MEE OR EGR Elective	1		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ CEE 400: Earth Systems Engineering and Management ((L or HU) & H)	3		<ul style="list-style-type: none"> <li>Technical Elective and Design Elective requirements: See advisor for guidance in selection.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in-person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Design Elective	3		
Complete 3 courses: Technical Elective	9		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 486: Integrated Civil Engineering Design (L)	4		• Technical Elective and Design Elective requirements: See advisor for guidance in selection.
Upper Division Design Elective	3		
Technical Elective	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

Technical Elective	Design Elective
CEE 281: Surveying	CEE 412: Pavement Analysis and Design
CEE 412: Pavement Analysis and Design	CEE 420: Steel Structures
CEE 420: Steel Structures	CEE 421: Concrete Structures
CEE 421: Concrete Structures	CEE 441: Water Resources Engineering
CEE 440: Hydrology	CEE 452: Foundations
CEE 441: Water Resources Engineering	CEE 462: Unit Operations in Environmental Engineering
CEE 452: Foundations	CEE 466: Urban Water System Design
CEE 462: Unit Operations in Environmental Engineering	CEE 475: Highway Geometric Design
CEE 466: Urban Water System Design	
CEE 467: Environmental Microbiology	
CEE 474: Transportation Systems Planning	
CEE 475: Highway Geometric Design	
CEE 481: Civil Engineering Project Management	
CEE 483: Highway Materials, Construction, and Quality	
CEE 493: Honors Thesis (L)	
CHE 469: Air Quality Engineering	
CON 453: Construction Technology	
FSE 301: Entrepreneurship and Value Creation	
IEE 431: Engineering Administration (L)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.
















## 2021 - 2022 Major Map

### Civil Engineering (Sustainable Engineering), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCEESUBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 FSE 100: Introduction to Engineering	2	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be completed the first semester.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 MAT 265: Calculus for Engineers I (MA)	3	C		
ASU 101-CEE: The ASU Experience	1			
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
<b>Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> </b>				
Hours	Minimum Grade	Notes		
 MAT 242: Elementary Linear Algebra	2	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>	
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
CEE 181: Technological, Social, and Sustainable Systems (HU)	3			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
<b>Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> </b>				
Hours	Minimum Grade	Notes		
 CEE 210: Engineering Mechanics I: Statics	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 MAT 267: Calculus for Engineers III (MA)	3	C		
 MAT 275: Modern Differential Equations (MA)	3	C		

⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
⚠ PHY 132: University Physics Laboratory II (SQ)	1	C
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	
⚠ Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 47 - 62 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CEE 212: Engineering Mechanics II: Dynamics	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
⚠ CEE 213: Introduction to Deformable Solids	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ)	3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
MAE 241: Introduction to Thermodynamics	3		
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 361: Introduction to Environmental Engineering	4		<ul style="list-style-type: none"> <li>Plan for success using the Junior Guide.</li> <li>Network at student organization competitions or professional societies.</li> </ul>
CEE 341: Fluid Mechanics for Civil Engineers	4		
CEE 353: Civil Engineering Materials	4		
CEE 384: Numerical Methods for Engineers (CS)	3		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 300: Engineering Business Practice (L)	3		<ul style="list-style-type: none"> <li>Research and prepare for graduate school.</li> <li>Apply for an engineering 4+1 program.</li> <li>Develop a professional profile online.</li> </ul>
CEE 321: Structural Analysis and Design	4		
CEE 351: Geotechnical Engineering	4		
CEE 372: Transportation Engineering	3		
Elective	1		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOS 300: Advanced Concepts and Integrated Approaches in Sustainability	3		<ul style="list-style-type: none"> <li>Design Elective requirements: See advisor for guidance in selection.</li> <li>Plan for success using the Senior Guide.</li> <li>Use Handshake to apply for full-time positions.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
Complete 2 courses: Upper Division Design Elective	6		
Technical Elective	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CEE 486: Integrated Civil Engineering Design (L)	4
CEE 400: Earth Systems Engineering and Management (L or HU) & H)	3
CEE 485: Sustainable Civil and Environmental Systems Engineering	3
Technical Elective	3
Term hours subtotal:	13

- Technical Elective requirements: See advisor for guidance in selection.

Hide Course List(s)/Track Group(s)

Design Electives	Approved Technical Elective
CEE 412: Pavement Analysis and Design	BCH 361: Advanced Principles of Biochemistry
CEE 420: Steel Structures	BIO 320: Fundamentals of Ecology
CEE 421: Concrete Structures	CEE 281: Surveying
CEE 441: Water Resources Engineering	CEE 412: Pavement Analysis and Design
CEE 452: Foundations	CEE 420: Steel Structures
CEE 462: Unit Operations in Environmental Engineering	CEE 421: Concrete Structures
CEE 466: Urban Water System Design	CEE 440: Hydrology
CEE 475: Highway Geometric Design	CEE 441: Water Resources Engineering
	CEE 452: Foundations
	CEE 462: Unit Operations in Environmental Engineering
	CEE 466: Urban Water System Design
	CEE 474: Transportation Systems Planning
	CEE 475: Highway Geometric Design
	CEE 481: Civil Engineering Project Management
	CEE 483: Highway Materials, Construction, and Quality
	CEE 493: Honors Thesis (L)
	CEE 494: Sustainable Energy and Material Use
	CEE 499: Individualized Instruction
	CHM 302: Environmental Chemistry
	CHM 341: Elementary Physical Chemistry
	CON 453: Construction Technology
	PUP 442: Environmental Planning

Notes:

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.















## 2021 - 2022 Major Map

### Computer Science, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCSEBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.</li> <li>If ENG 105 is taken, a 3 credit hour elective must also be taken prior to graduation.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Three (3) lab science classes are required. Two of the three classes must be from the same subject area or discipline.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
Lab Science Requirement AND Natural Science - Quantitative (SQ)	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>Three (3) lab science classes are required. Two of the three classes must be from the same subject area or discipline.</li> </ul>
 CSE 240: Introduction to Programming Languages	3	C	

❗ MAT 243: Discrete Mathematical Structures	3	C
MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science	3	C
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4	
❗ Complete MAT 266 OR MAT 271 course(s).		
❗ Complete First-Year Composition requirement.		
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

- Prep for success using the **Sophomore Guide**.

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ CSE 230: Computer Organization and Assembly Language Programming	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the three classes must be from the same subject area or discipline.</li> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
❗ CSE 310: Data Structures and Algorithms	3	C	
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Humanities, Arts and Design (HU)	3		
Elective	3		
❗ Complete CSE 259 OR MAT 267 OR MAT 272 course(s).			
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 355: Introduction to Theoretical Computer Science	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CSE 301: Computing Ethics	1	C	
CSE 360: Introduction to Software Engineering	3	C	
CSE 365: Information Assurance	3	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 6 79 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 340: Principles of Programming Languages	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
CSE 330: Operating Systems	3	C	
CSE 412: Database Management OR CSE 434: Computer Networks OR CSE 445: Distributed Software Development	3	C	
MAT 343: Applied Linear Algebra	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CSE 485: Computer Science Capstone Project I (L)	3	C
.....		
Complete 2 courses:		
CSE 4** Elective	6	C
.....		
Upper Division Technical Elective	3	C
.....		
Elective	2	
.....		
Term hours subtotal:	14	

- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.
- Plan for success using the [Senior Guide](#).
- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CSE 486: Computer Science Capstone Project II (L)	3	C
.....		
Complete 2 courses:		
CSE 4** Elective	6	C
.....		
Upper Division Technical Elective	3	C
.....		
Term hours subtotal:	12	

- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.

- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.

Hide Course List(s)/Track Group(s)

Lab Science Requirement	Technical Electives	Technical Electives continued
BIO 181: General Biology I (SQ)	AEE 415: Vibration Analysis	EEE 304: Signals and Systems II
BIO 182: General Biology II (SG)	AEE 426: Design of Aerospace Structures	EEE 333: Hardware Design Languages and Programmable Logic
CHM 113: General Chemistry I (SQ)	AEE 462: Space Vehicle Dynamics and Control	EEE 350: Random Signal Analysis
CHM 116: General Chemistry II (SQ)	AEE 463: Aircraft Propulsion	EEE 360: Energy Systems and Power Electronics
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	AEE 465: Rocket Propulsion	EEE 404: Real-Time DSP Systems
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	AEE 468: Aircraft Systems Design	EEE 407: Digital Signal Processing
GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ)	AEE 471: Computational Fluid Dynamics	EEE 425: Digital Systems and Circuits
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	AME 430: Mac Development for Media Arts	EEE 433: Analog Integrated Circuits
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	AME 435: Mobile Development	EEE 434: Quantum Mechanics for Engineers
	BCH 361: Advanced Principles of Biochemistry	EEE 435: Fundamentals of CMOS and MEMS
	BCH 461: General Biochemistry	EEE 436: Fundamentals of Solid-State Devices
	BCH 462: General Biochemistry	EEE 437: Optoelectronics
	BIO 340: General Genetics	EEE 439: Semiconductor Facilities and Cleanroom Practices
	BIO 343: Genetic Engineering and Society (L)	EEE 443: Antennas for Wireless Communications
	BIO 345: Evolution	EEE 445: Microwaves
	BME 350: Signals and Systems for Bioengineers	

BME 413: Biomedical Instrumentation (L)	EEE 448: Fiber Optics
BME 416: Advanced Biomechanics	EEE 455: Communication Systems
CEE 412: Pavement Analysis and Design	EEE 459: Communication Networks
CEE 432: Developing Software for Engineering Applications	EEE 460: Nuclear Power Engineering
CEE 440: Hydrology	EEE 463: Electrical Power Plants
CEE 441: Water Resources Engineering	EEE 470: Electric Power Devices
CEE 452: Foundations	EEE 471: Power System Analysis
CEE 462: Unit Operations in Environmental Engineering	EEE 473: Electrical Machinery
CEE 466: Urban Water System Design	EEE 480: Feedback Systems
CEE 467: Environmental Microbiology	EEE 481: Computer-Controlled Systems
CEE 474: Transportation Systems Planning	FSE 301: Entrepreneurship and Value Creation
CEE 475: Highway Geometric Design	IEE 376: Operations Research Deterministic Techniques/Applications
CEE 481: Civil Engineering Project Management	IEE 381: Lean Six Sigma Methodology
CEE 483: Highway Materials, Construction, and Quality	IEE 385: Engineering Statistics: Probability
CEE 486: Integrated Civil Engineering Design (L)	IEE 412: Introduction to Financial Engineering
CHE 342: Introduction to Applied Chemical Thermodynamics	IEE 426: Operations Research in Healthcare
CHE 432: Principles of Chemical Engineering Design	IEE 431: Engineering Administration (L)
CHE 442: Introduction to Chemical Reactor Design	IEE 456: Introduction to Systems Engineering
CHE 461: Process Dynamic Control (CS)	IEE 458: Project Management
CHE 462: Process Design (L)	IEE 461: Production Control
CHE 469: Air Quality Engineering	IEE 470: Stochastic Operations Research
CHE 475: Biochemical Engineering	IEE 474: Quality Control
CIS 415: Big Data Analytics in Business	IEE 475: Simulating Stochastic Systems (CS)
CPI 311: Game Engine Development	MAE 341: Mechanism Analysis and Design
CPI 350: Evaluation of Informatics Systems	MAE 404: Finite Elements in Engineering
CPI 360: Decision Making and Problem Solving	MAE 417: System Dynamics and Control II
CPI 411: Graphics for Games	MAE 436: Combustion
CPI 460: Intelligent Interactive Instructional Systems	MAE 455: Polymers and Composites
CPI 462: Design for Learning in Virtual Worlds	MAT Upper Division Elective
	Except for: MAT 300, MAT 340, MAT 342, MAT 343 and MAT 485
	MEE 434: Internal Combustion Engines
	MEE 446: Energy Systems Design
	PHY 302: Mathematical Methods in Physics II

CSE 320: Design and Synthesis of Digital Hardware	PHY 361: Introductory Modern Physics
CSE 325: Embedded Microprocessor Systems	PHY 462: Particle and Nuclear Physics
CSE 335: Principles of Mobile Application Development	SER 421: Web-Based Applications
CSE 4** Elective	SER 422: Web Application Programming
	SER 423: Mobile Systems
	STP 421: Probability
	STP 425: Stochastic Processes
	STP 427: Mathematical Statistics
	STP 429: Applied Regression (CS)
	NOTE: Maximum 3 hours CSE 484 or FSE 301. Maximum 6 hours of CSE 484, 492, 493 or 499. Some Technical Electives may require additional prerequisites.

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Computer Science (Cybersecurity), BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCSEIBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.</li> <li>If ENG 105 is taken, a 3 credit hour elective must also be taken prior to graduation.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Three (3) lab science classes are required. Two of the three classes must be from the same subject area or discipline.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
Lab Science Requirement AND Natural Science - Quantitative (SQ)	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>Three (3) lab science classes are required. Two of the three classes must be from the same subject area or discipline.</li> </ul>
 CSE 240: Introduction to Programming Languages	3	C	

❖ MAT 243: Discrete Mathematical Structures	3	C
MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science	3	C
Lab Science Requirement AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4	
❖ Complete MAT 266 OR MAT 271 course(s).		
❖ Complete First-Year Composition requirement.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

- Prep for success using the **Sophomore Guide**.

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ CSE 230: Computer Organization and Assembly Language Programming	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the three classes must be from the same subject area or discipline.</li> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
❖ CSE 310: Data Structures and Algorithms	3	C	
Lab Science Requirement AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
❖ Complete CSE 259 OR MAT 267 OR MAT 272 course(s).			
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CSE 301: Computing Ethics	1	C	
CSE 355: Introduction to Theoretical Computer Science	3	C	
CSE 360: Introduction to Software Engineering	3	C	
CSE 365: Information Assurance	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 6 79 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 330: Operating Systems	3	C	<ul style="list-style-type: none"> <li>• CSE 434 is a prerequisite for CSE 468 which is an option for the Cybersecurity Focus Courses requirement.</li> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
★ CSE 340: Principles of Programming Languages	3	C	
CSE 412: Database Management OR CSE 434: Computer Networks OR CSE 445: Distributed Software Development	3	C	
MAT 343: Applied Linear Algebra	3	C	
Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 485: Computer Science Capstone Project I (L)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Cybersecurity Elective	3	C	
Upper Division Cybersecurity Focus Courses	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	2		
Term hours subtotal:	14		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 486: Computer Science Capstone Project II (L)	3	C	<ul style="list-style-type: none"> <li>• Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the <a href="#">CIDSE website</a> for additional information.</li> </ul>
Upper Division Cybersecurity Elective	3	C	
Upper Division Cybersecurity Focus Courses	3	C	
Upper Division Technical Elective	3	C	
Term hours subtotal:	12		

- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.

Hide Course List(s)/Track Group(s)

Lab Science Requirement	Cybersecurity Focus Courses	Cybersecurity Electives
BIO 181: General Biology I (SQ)	CSE 466: Computer Systems Security	CSE 460: Software Analysis and Design
BIO 182: General Biology II (SG)	CSE 468: Computer Network Security	CSE 463: Introduction to Human Computer Interaction
CHM 113: General Chemistry I (SQ)	CSE 469: Computer and Network Forensics	CSE 464: Software Quality Assurance and Testing
CHM 116: General Chemistry II (SQ)	CSE 494: Artificial Intelligence for Cyber Security	CSE 466: Computer Systems Security
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	NOTE: CSE 468 requires CSE 434 as a prerequisite.	CSE 468: Computer Network Security
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)		CSE 469: Computer and Network Forensics
GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ)		CSE 471: Introduction to Artificial Intelligence
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)		CSE 494: Artificial Intelligence for Cyber Security
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)		
Technical Electives	Technical Electives continued	
AEE 415: Vibration Analysis	EEE 304: Signals and Systems II	



AEE 426: Design of Aerospace Structures	EEE 333: Hardware Design Languages and Programmable Logic
AEE 462: Space Vehicle Dynamics and Control	EEE 350: Random Signal Analysis
AEE 463: Aircraft Propulsion	EEE 360: Energy Systems and Power Electronics
AEE 465: Rocket Propulsion	EEE 404: Real-Time DSP Systems
AEE 468: Aircraft Systems Design	EEE 407: Digital Signal Processing
AEE 471: Computational Fluid Dynamics	EEE 425: Digital Systems and Circuits
AME 430: Mac Development for Media Arts	EEE 433: Analog Integrated Circuits
AME 435: Mobile Development	EEE 434: Quantum Mechanics for Engineers
BCH 361: Advanced Principles of Biochemistry	EEE 435: Fundamentals of CMOS and MEMS
BCH 461: General Biochemistry	EEE 436: Fundamentals of Solid-State Devices
BCH 462: General Biochemistry	EEE 437: Optoelectronics
BIO 340: General Genetics	EEE 439: Semiconductor Facilities and Cleanroom Practices
BIO 343: Genetic Engineering and Society (L)	EEE 443: Antennas for Wireless Communications
BIO 345: Evolution	EEE 445: Microwaves
BME 350: Signals and Systems for Bioengineers	EEE 448: Fiber Optics
BME 413: Biomedical Instrumentation (L)	EEE 455: Communication Systems
BME 416: Advanced Biomechanics	EEE 459: Communication Networks
CEE 412: Pavement Analysis and Design	EEE 460: Nuclear Power Engineering
CEE 432: Developing Software for Engineering Applications	EEE 463: Electrical Power Plants
CEE 440: Hydrology	EEE 470: Electric Power Devices
CEE 441: Water Resources Engineering	EEE 471: Power System Analysis
CEE 452: Foundations	EEE 473: Electrical Machinery
CEE 462: Unit Operations in Environmental Engineering	EEE 480: Feedback Systems
CEE 466: Urban Water System Design	EEE 481: Computer-Controlled Systems
CEE 467: Environmental Microbiology	FSE 301: Entrepreneurship and Value Creation
CEE 474: Transportation Systems Planning	IEE 376: Operations Research Deterministic Techniques/Applications
CEE 475: Highway Geometric Design	IEE 381: Lean Six Sigma Methodology
CEE 481: Civil Engineering Project Management	IEE 385: Engineering Statistics: Probability
CEE 483: Highway Materials, Construction, and Quality	IEE 412: Introduction to Financial Engineering
CEE 486: Integrated Civil Engineering Design (L)	IEE 426: Operations Research in Healthcare
	IEE 431: Engineering Administration (L)

CHE 342: Introduction to Applied Chemical Thermodynamics	IEE 456: Introduction to Systems Engineering
CHE 432: Principles of Chemical Engineering Design	IEE 458: Project Management
CHE 442: Introduction to Chemical Reactor Design	IEE 461: Production Control
CHE 461: Process Dynamic Control (CS)	IEE 470: Stochastic Operations Research
CHE 462: Process Design (L)	IEE 474: Quality Control
CHE 469: Air Quality Engineering	IEE 475: Simulating Stochastic Systems (CS)
CHE 475: Biochemical Engineering	MAE 341: Mechanism Analysis and Design
CIS 415: Big Data Analytics in Business	MAE 404: Finite Elements in Engineering
CPI 311: Game Engine Development	MAE 417: System Dynamics and Control II
CPI 350: Evaluation of Informatics Systems	MAE 436: Combustion
CPI 360: Decision Making and Problem Solving	MAE 455: Polymers and Composites
CPI 411: Graphics for Games	MAT Upper Division Elective
CPI 460: Intelligent Interactive Instructional Systems	Except for: MAT 300, MAT 340, MAT 342, MAT 343 and MAT 485
CPI 462: Design for Learning in Virtual Worlds	MEE 434: Internal Combustion Engines
CSE 320: Design and Synthesis of Digital Hardware	MEE 446: Energy Systems Design
CSE 325: Embedded Microprocessor Systems	PHY 302: Mathematical Methods in Physics II
CSE 335: Principles of Mobile Application Development	PHY 361: Introductory Modern Physics
CSE 4** Elective	PHY 462: Particle and Nuclear Physics
Except for: CSE 485 and CSE 486	SER 421: Web-Based Applications
	SER 422: Web Application Programming
	SER 423: Mobile Systems
	STP 421: Probability
	STP 425: Stochastic Processes
	STP 427: Mathematical Statistics
	STP 429: Applied Regression (CS)
	NOTE: Maximum 3 hours CSE 484 or FSE 301. Maximum 6 hours of CSE 484, 492, 493 or 499. Some Technical Electives may require additional prerequisites.

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map






### Computer Science (Software Engineering), BS




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCSSESBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.</li> <li>If ENG 105 is taken, a three (3) credit hour elective must also be taken prior to graduation.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
MAT 265: Calculus for Engineers I (MA) Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	C	
 Complete Mathematics (MA) requirement.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Three (3) lab science classes are required. Two of the three classes must be from the same subject area or discipline.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
Lab Science Requirement AND Natural Science - Quantitative (SQ)	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>Three (3) lab science classes are required. Two of the three classes must be from the same subject area or discipline.</li> </ul>
 CSE 240: Introduction to Programming Languages	3	C	

❗ MAT 243: Discrete Mathematical Structures	3	C
MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science	3	C
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4	
❗ Complete MAT 266 OR MAT 271 course(s).		
❗ Complete First-Year Composition requirement.		
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

- Prep for success using the **Sophomore Guide**

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ CSE 230: Computer Organization and Assembly Language Programming	3	C	<ul style="list-style-type: none"> <li>• Three (3) lab science classes are required. Two of the three classes must be from the same subject area or discipline.</li> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
❗ CSE 310: Data Structures and Algorithms	3	C	
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Humanities, Arts and Design (HU)	3		
Elective	3		
❗ Complete CSE 259 OR MAT 267 OR MAT 272 course(s).			
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 355: Introduction to Theoretical Computer Science	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CSE 301: Computing Ethics	1	C	
CSE 360: Introduction to Software Engineering	3	C	
CSE 365: Information Assurance	3	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 6 79 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 330: Operating Systems	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for an <b>engineering 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
★ CSE 340: Principles of Programming Languages	3	C	
CSE 445: Distributed Software Development	3	C	
MAT 343: Applied Linear Algebra	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CSE 485: Computer Science Capstone Project I (L)	3	C
CSE 460: Software Analysis and Design	3	C
CSE 464: Software Quality Assurance and Testing	3	C
Upper Division Technical Elective	3	C
Elective	2	
Term hours subtotal:	14	

- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.
- Students should take CSE 434 as the Upper Division Technical Elective in Term 7 if they plan taking CSE 468 in Term 8. CSE 434 is a prerequisite for CSE 468.
- Plan for success using the [Senior Guide](#).
- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 486: Computer Science Capstone Project II (L)	3	C	<ul style="list-style-type: none"> <li>• CSE 468 requires CSE 434 as a prerequisite.</li> <li>• Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the <a href="#">CIDSE website</a> for additional information.</li> </ul>
CSE 446: Software Integration and Engineering	3	C	
CSE 463: Introduction to Human Computer Interaction OR CSE 466: Computer Systems Security OR CSE 467: Data and Information Security OR CSE 468: Computer Network Security	3	C	
Upper Division Technical Elective	3	C	
Term hours subtotal:	12		

- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information.

#### Hide Course List(s)/Track Group(s)

Lab Science Requirement	Technical Electives	Technical Electives continued
BIO 181: General Biology I (SQ)	Students who plan to take CSE 468 in Term 8 should take CSE 434 as the Upper Division Technical Elective in Term 7. CSE 434 is a prerequisite for CSE 468.	NOTE: Maximum 3 hours CSE 484 or FSE 301. Maximum 6 hours of CSE 484, 492, 493 or 499. Some Technical Electives may require additional prerequisites.
BIO 182: General Biology II (SG)		
CHM 113: General Chemistry I (SQ)	AEE 415: Vibration Analysis	EEE 304: Signals and Systems II
CHM 116: General Chemistry II (SQ)	AEE 426: Design of Aerospace Structures	EEE 333: Hardware Design Languages and Programmable Logic
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	AEE 462: Space Vehicle Dynamics and Control	EEE 350: Random Signal Analysis
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	AEE 463: Aircraft Propulsion	EEE 360: Energy Systems and Power Electronics
GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ)	AEE 465: Rocket Propulsion	EEE 404: Real-Time DSP Systems
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	AEE 468: Aircraft Systems Design	EEE 407: Digital Signal Processing
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	AEE 471: Computational Fluid Dynamics	EEE 425: Digital Systems and Circuits
	AME 430: Mac Development for Media Arts	EEE 433: Analog Integrated Circuits
	AME 435: Mobile Development	EEE 434: Quantum Mechanics for Engineers
	BCH 361: Advanced Principles of Biochemistry	EEE 435: Fundamentals of CMOS and MEMS
	BCH 461: General Biochemistry	

BCH 462: General Biochemistry	EEE 436: Fundamentals of Solid-State Devices
BIO 340: General Genetics	EEE 437: Optoelectronics
BIO 343: Genetic Engineering and Society (L)	EEE 439: Semiconductor Facilities and Cleanroom Practices
BIO 345: Evolution	EEE 443: Antennas for Wireless Communications
BME 350: Signals and Systems for Bioengineers	EEE 445: Microwaves
BME 413: Biomedical Instrumentation (L)	EEE 448: Fiber Optics
BME 416: Advanced Biomechanics	EEE 455: Communication Systems
CEE 412: Pavement Analysis and Design	EEE 459: Communication Networks
CEE 432: Developing Software for Engineering Applications	EEE 460: Nuclear Power Engineering
CEE 440: Hydrology	EEE 463: Electrical Power Plants
CEE 441: Water Resources Engineering	EEE 470: Electric Power Devices
CEE 452: Foundations	EEE 471: Power System Analysis
CEE 462: Unit Operations in Environmental Engineering	EEE 473: Electrical Machinery
CEE 466: Urban Water System Design	EEE 480: Feedback Systems
CEE 467: Environmental Microbiology	EEE 481: Computer-Controlled Systems
CEE 474: Transportation Systems Planning	FSE 301: Entrepreneurship and Value Creation
CEE 475: Highway Geometric Design	IEE 376: Operations Research Deterministic Techniques/Applications
CEE 481: Civil Engineering Project Management	IEE 381: Lean Six Sigma Methodology
CEE 483: Highway Materials, Construction, and Quality	IEE 385: Engineering Statistics: Probability
CEE 486: Integrated Civil Engineering Design (L)	IEE 412: Introduction to Financial Engineering
CHE 342: Introduction to Applied Chemical Thermodynamics	IEE 426: Operations Research in Healthcare
CHE 432: Principles of Chemical Engineering Design	IEE 431: Engineering Administration (L)
CHE 442: Introduction to Chemical Reactor Design	IEE 456: Introduction to Systems Engineering
CHE 461: Process Dynamic Control (CS)	IEE 458: Project Management
CHE 462: Process Design (L)	IEE 461: Production Control
CHE 469: Air Quality Engineering	IEE 470: Stochastic Operations Research
CHE 475: Biochemical Engineering	IEE 474: Quality Control
CIS 415: Big Data Analytics in Business	IEE 475: Simulating Stochastic Systems (CS)
CPI 311: Game Engine Development	MAE 341: Mechanism Analysis and Design
CPI 350: Evaluation of Informatics Systems	MAE 404: Finite Elements in Engineering
	MAE 417: System Dynamics and Control II
	MAE 436: Combustion

CPI 360: Decision Making and Problem Solving	MAE 455: Polymers and Composites
CPI 411: Graphics for Games	MAT Upper Division Elective
CPI 460: Intelligent Interactive Instructional Systems	Except for: MAT 300, MAT 340, MAT 342, MAT 343 and MAT 485
CPI 462: Design for Learning in Virtual Worlds	MEE 434: Internal Combustion Engines
CSE 320: Design and Synthesis of Digital Hardware	MEE 446: Energy Systems Design
CSE 325: Embedded Microprocessor Systems	PHY 302: Mathematical Methods in Physics II
CSE 335: Principles of Mobile Application Development	PHY 361: Introductory Modern Physics
CSE 4** Elective	PHY 462: Particle and Nuclear Physics
	SER 421: Web-Based Applications
	SER 422: Web Application Programming
	SER 423: Mobile Systems
	STP 421: Probability
	STP 425: Stochastic Processes
	STP 427: Mathematical Statistics
	STP 429: Applied Regression (CS)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map






### Computer Systems Engineering, BSE




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCSEBSE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.</li> <li>If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
Biology or Chemistry Course	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122:  
University Physics Laboratory I (SQ) 4 C

Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

❖ Complete MAT 266 OR MAT 271 course(s).

❖ Complete First-Year Composition requirement.

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ CSE 220: Programming for Computer Engineering 3 C

❖ CSE 230: Computer Organization and Assembly Language  
Programming 3 C

MAT 275: Modern Differential Equations (MA) 3 C

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND  
PHY 132: University Physics Laboratory II (SQ) 4 C

Humanities, Arts and Design (HU) 3

❖ Complete MAT 267 OR MAT 272 course(s).

Term hours subtotal: 16

- Pursue an **undergraduate research** experience.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 5 63 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CSE 310: Data Structures and Algorithms 3 C

CSE 301: Computing Ethics 1 C

CSE 320: Design and Synthesis of Digital Hardware 3 C

EEE 202: Circuits I 4 C

IEE 380: Probability and Statistics for Engineering Problem Solving  
(CS) 3 C

Term hours subtotal: 14

- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CSE 325: Embedded Microprocessor Systems 3 C

CSE 330: Operating Systems 3 C

CSE 360: Introduction to Software Engineering 3 C

EEE 334: Circuits II 4 C

MAT 343: Applied Linear Algebra 3 C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness  
(G) AND Historical Awareness (H) course(s).

Term hours subtotal: 16

- Research and prepare for **graduate school**.
- Apply for an **engineering 4+1 program**.
- Develop a **professional profile online**.

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CSE 423: Systems Capstone Project I (L) 3 C

CSE 434: Computer Networks 3 C

Complete 2 courses:  
Upper Division CSE Technical Elective 6 C

Upper Division Humanities, Arts and Design (HU) OR Upper  
Division Social-Behavioral Sciences (SB) 3

- Please see course lists below for CSE Technical Electives. Contact CIDSE Advising or visit the **CIDSE website** for additional information. Maximum 6 hours at the 300-level.
- Plan for success using the **Senior Guide**.

Term hours subtotal: 15

- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 424: Systems Capstone Project II (L)	3	C	<ul style="list-style-type: none"> <li>• Please see course lists below for CSE Technical Electives. Contact CIDSE Advising or visit the <a href="#">CIDSE website</a> for additional information. Maximum 6 hours at the 300-level.</li> </ul>
CSE 420: Computer Architecture I	3	C	
<i>Complete 2 courses:</i>			
4** Upper Division CSE Technical Elective	6	C	
Term hours subtotal:	12		

- Please see course lists below for CSE Technical Electives. Contact CIDSE Advising or visit the [CIDSE website](#) for additional information. Maximum 6 hours at the 300-level.

Hide Course List(s)/Track Group(s)

Biology or Chemistry Courses	Upper Division CSE Technical Electives
BIO 181: General Biology I (SQ)	Note: 6 hours maximum of 300-level Technical Electives. 6 hours minimum of 400-level Technical Electives.
BIO 182: General Biology II (SG)	
CHM 113: General Chemistry I (SQ)	Maximum 3 hours of CSE 484 or FSE 301.
CHM 114: General Chemistry for Engineers (SQ)	Maximum 6 hours of CSE 484, 492, 493 or 499.
CHM 116: General Chemistry II (SQ)	Some Technical Electives may require additional prerequisites.
	Students considering graduate program in Computer Science should take CSE 340 and CSE 355.
	<a href="#">CPI 350: Evaluation of Informatics Systems</a>
	<a href="#">CPI 411: Graphics for Games</a>
	<a href="#">CSE 335: Principles of Mobile Application Development</a>
	<a href="#">CSE 340: Principles of Programming Languages</a>
	<a href="#">CSE 355: Introduction to Theoretical Computer Science</a>
	<a href="#">CSE 365: Information Assurance</a>
	<a href="#">CSE 4** Elective</a>
	Not from CSE 423 or 424.
	<a href="#">EEE 304: Signals and Systems II</a>
	<a href="#">EEE 350: Random Signal Analysis</a>
	<a href="#">EEE 404: Real-Time DSP Systems</a>

EEE 407: Digital Signal Processing
EEE 425: Digital Systems and Circuits
EEE 455: Communication Systems
EEE 480: Feedback Systems
EEE 481: Computer-Controlled Systems
FSE 301: Entrepreneurship and Value Creation
IEE 385: Engineering Statistics: Probability
MAT 416: Graph Theory
MAT 421: Applied Computational Methods (CS)
MAT 447: Cryptography I
MAT 448: Cryptography II
PHY 302: Mathematical Methods in Physics II
PHY 333: Electronic Circuits and Measurements
PHY 441: Statistical and Thermal Physics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Computer Systems Engineering (Cybersecurity), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCSEIBSE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.</li> <li>If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
FSE 100: Introduction to Engineering	2	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 266: Calculus for Engineers II (MA)	3	C	
Biology or Chemistry Course	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
❗ Complete MAT 266 OR MAT 271 course(s).		
❗ Complete First-Year Composition requirement.		
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ CSE 220: Programming for Computer Engineering	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research</b> experience.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
❗ CSE 230: Computer Organization and Assembly Language Programming	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
❗ Complete MAT 267 OR MAT 272 course(s).			
Term hours subtotal:	16		

Term 5 63 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 310: Data Structures and Algorithms	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CSE 301: Computing Ethics	1	C	
CSE 320: Design and Synthesis of Digital Hardware	3	C	
EEE 202: Circuits I	4	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
Term hours subtotal:	14		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 325: Embedded Microprocessor Systems	3	C	<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
★ CSE 330: Operating Systems	3	C	
★ CSE 360: Introduction to Software Engineering	3	C	
CSE 365: Information Assurance	3	C	
EEE 334: Circuits II	4	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CSE 423: Systems Capstone Project I (L)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
CSE 434: Computer Networks	3	C	
MAT 343: Applied Linear Algebra	3	C	
Upper Division Cybersecurity Focus Courses	3	C	
Upper Division CSE Technical Elective	3	C	

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 424: Systems Capstone Project II (L)	3	C	
CSE 420: Computer Architecture I	3	C	
Upper Division Cybersecurity Focus Courses	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Biology or Chemistry Course	Cybersecurity Focus Courses	CSE Technical Elective
BIO 181: General Biology I (SQ)	CSE 466: Computer Systems Security	CPI 350: Evaluation of Informatics Systems
BIO 182: General Biology II (SG)	CSE 468: Computer Network Security	CPI 411: Graphics for Games
CHM 113: General Chemistry I (SQ)	CSE 469: Computer and Network Forensics	CSE 335: Principles of Mobile Application Development
CHM 114: General Chemistry for Engineers (SQ)	CSE 494: Artificial Intelligence for Cyber Security	CSE 340: Principles of Programming Languages
CHM 116: General Chemistry II (SQ)		CSE 355: Introduction to Theoretical Computer Science
		CSE 4** Elective
		EEE 304: Signals and Systems II
		EEE 350: Random Signal Analysis
		EEE 404: Real-Time DSP Systems
		EEE 407: Digital Signal Processing
		EEE 425: Digital Systems and Circuits
		EEE 455: Communication Systems
		EEE 480: Feedback Systems
		EEE 481: Computer-Controlled Systems
		FSE 301: Entrepreneurship and Value Creation
		IEE 385: Engineering Statistics: Probability
		MAT 416: Graph Theory
		MAT 421: Applied Computational Methods (CS)
		MAT 447: Cryptography I
		MAT 448: Cryptography II
		PHY 302: Mathematical Methods in Physics II



**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

















## 2021 - 2022 Major Map

### Construction Engineering, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCONBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>If ENG 105 is taken, a 3 credit hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 FSE 100: Introduction to Engineering	2	C		
 MAT 265: Calculus for Engineers I (MA)	3	C		
ASU 101-CON: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 MAT 242: Elementary Linear Algebra	2	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C		
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
CON 101: Construction and Culture: a Built Environment (HU & H)	3			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CNE 210: Engineering Mechanics I: Statics	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 CNE 243: Heavy Construction Equipment, Methods and Materials	3			
 MAT 267: Calculus for Engineers III (MA)	3	C		

🚩 MAT 275: Modern Differential Equations (MA)	3	C
🚩 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
🚩 PHY 132: University Physics Laboratory II (SQ)	1	C
🚩 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 47 - 62 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 CNE 212: Engineering Mechanics II: Dynamics	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
🚩 CNE 213: Introduction to Deformable Solids	3	C	
CNE 271: Construction Safety	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BME 111: Engineering Perspectives on Biological Systems OR GLG 101: Introduction to Geology I (Physical) (SQ)	3-4		
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	15-16		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CNE 321: Structural Analysis and Design	4		<ul style="list-style-type: none"> <li>If students take MAE 241 they will need to make up 1 credit hour in a Civil, Construction, math or science course.</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CNE 353: Civil Engineering Materials	4		
EEE 202: Circuits I OR MAE 241: Introduction to Thermodynamics	4-3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
Term hours subtotal:	15-14		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CNE 383: Construction Estimating	4		<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
CNE 241: Surveying	3		
CNE 351: Geotechnical Engineering	4		
CNE 400: Earth Systems Engineering and Management ((L or HU) & H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Summer 6 91 - 92 Credit Hours	Hours	Minimum Grade	Notes
CNE 484: Internship	1		
Term hours subtotal:	1		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CNE 453: Construction Technology	3		<ul style="list-style-type: none"> <li>Design Elective requirements: complete a total of 2 design electives.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> </ul>
CNE 495: Construction Planning and Scheduling (CS)	3		
Upper Division Design Elective	3		
Technical Elective	3		

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Term hours subtotal:	15

- Use **Handshake** to apply for full-time positions.
- Complete an in person or virtual **practice interview**.

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CNE 486: Integrated Civil Engineering Design (L)	4		• Design Elective requirements: complete a total of 2 design electives.
CNE 455: Construction Project Management II	3		
CNE 496: Construction Contract Administration (L)	3		
Upper Division Design Elective	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

Design Elective	Technical Elective
CEE 420: Steel Structures	CEE 372: Transportation Engineering
CEE 421: Concrete Structures	CEE 412: Pavement Analysis and Design
CEE 452: Foundations	CEE 420: Steel Structures
	CEE 421: Concrete Structures
	CEE 432: Developing Software for Engineering Applications
	CEE 440: Hydrology
	CEE 441: Water Resources Engineering
	CEE 452: Foundations
	CEE 462: Unit Operations in Environmental Engineering
	CEE 466: Urban Water System Design
	CEE 467: Environmental Microbiology
	CEE 474: Transportation Systems Planning
	CEE 475: Highway Geometric Design
	CEE 481: Civil Engineering Project Management
	CEE 483: Highway Materials, Construction, and Quality
	CEE 493: Honors Thesis (L)
	CEE 494: Concrete Canoe Design
	CEE 494: Steel Bridge Design
	CON 296: Summer Field Internship
	CON 310: Testing of Materials for Construction

CON 345: Mechanical Systems

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CON 448: Sustainable Construction

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CON 454: Trenchless Construction Methods

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CON 493: Honors Thesis (L)

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FSE 301: Entrepreneurship and Value  
Creation

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map


### Construction Management and Technology, BS




School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)


ESCONMGTB5




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CON 100: Introduction to Construction	2	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken the first semester.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 CON 101: Construction and Culture: a Built Environment (HU & H)	3	C		
 CON 252: Building Construction Methods, Materials, and Equipment	3	C		
 MAT 170: Precalculus (MA)	3	C		
ASU 101-CON: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 CON 244: Working Drawing Analysis	2	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
COM 225: Public Speaking (L)	3			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
PHY 111: General Physics (SQ)	3	C		
PHY 113: General Physics Laboratory (SQ)	1	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CON 221: Applied Statics	2	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 CON 251: Microcomputer Applications for Construction	3	C		
CON 243: Heavy Construction Equipment, Methods and Materials	3	C		

STP 226: Elements of Statistics (CS)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.	
Term hours subtotal:	15



Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CON 223: Strength of Materials	2	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
 CON 271: Construction Safety	3	C	
CON 241: Surveying	3	C	
CON 345: Mechanical Systems	3		
ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	14		

Summer 4 59 - 60 Credit Hours	Hours	Minimum Grade	Notes
CON 296: Summer Field Internship	1	C	
Term hours subtotal:	1		

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CON 310: Testing of Materials for Construction	4		<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
CON 273: Electrical Construction Fundamentals and Project Management	3	C	
CON 383: Construction Estimating	4		
CON 453: Construction Technology	3		
Term hours subtotal:	14		

Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CON 495: Construction Planning and Scheduling (CS)	3		<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
CON 424: Structural Design	3		
CON 448: Sustainable Construction	3		
MGT 380: Management and Strategy for Nonmajors	3		
Upper Division Construction Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Summer 6 89 - 90 Credit Hours	Hours	Minimum Grade	Notes
CON 484: Internship	1		
Term hours subtotal:	1		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CON 455: Construction Project Management II	3		<ul style="list-style-type: none"> <li>Students must have a minimum 2.50 GPA in order to take LES 305.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> </ul>
ACC 382: Accounting and Financial Analysis	3		
CON 487: Heavy Construction Project Management	3		

Upper Division Construction Elective	3
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
Term hours subtotal:	15

- Use **Handshake** to apply for full-time positions.
- Complete an in person or virtual **practice interview**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CON 491: Construction Project Capstone	3		
CON 496: Construction Contract Administration (L)	3		
ECN 211: Macroeconomic Principles (SB)	3		
LES 305: Business Law and Ethics for Managers	3		
Upper Division Construction Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Construction Elective
CON 343: Advanced Heavy Equipment Operations
CON 384: Environmental Aspects of Heavy Construction
CON 446: Marketing for Construction
CON 450: Geotechnical Applications for Construction
CON 454: Trenchless Construction Methods
CON 457: Principles of Leadership for Project Managers
CON 483: Advanced Building Estimating
CON 486: Heavy Construction Estimating
CON 488: Heavy Construction Earthworks
CON 394: Special Topics
CON 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:



**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Electrical Engineering, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESEEEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken the first semester.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
ASU 101-EEE: The ASU Experience	1			
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4			
CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS)	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
FSE 100: Introduction to Engineering	2			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 MAT 266: Calculus for Engineers II (MA)	3	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
EEE 120: Digital Design Fundamentals	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 EEE 202: Circuits I	4		<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
MAT 267: Calculus for Engineers III (MA)	3	C		
MAT 275: Modern Differential Equations (MA)	3	C		

PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
PHY 132: University Physics Laboratory II (SQ)	1	C
❗ Complete First-Year Composition requirement.		
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

Term 4 46 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ EEE 203: Signals and Systems I	3		<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
❗ EEE 241: Fundamentals of Electromagnetics	3		
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
PHY 241: University Physics III	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EEE 334: Circuits II	4		<ul style="list-style-type: none"> <li>Plan for success using the Junior Guide.</li> <li>Network at student organization competitions or professional societies.</li> </ul>
EEE 230: Computer Organization and Assembly Language Programming	3		
EEE 350: Random Signal Analysis	3		
Upper Division Area Pathway Course	4		
Term hours subtotal:	14		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 3 courses: Upper Division Area Pathway Course	12		<ul style="list-style-type: none"> <li>Research and prepare for graduate school.</li> <li>Apply for an engineering 4+1 program.</li> <li>Develop a professional profile online.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EEE 488: Senior Design Laboratory I (L)	3		<ul style="list-style-type: none"> <li>Plan for success using the Senior Guide.</li> <li>Use Handshake to apply for full-time positions.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
Upper Division Math or Science or Engineering Elective	3		
Complete 2 courses: Upper Division Technical Elective	6		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EEE 489: Senior Design Laboratory II (L)	3		
Complete 3 courses: Upper Division Technical Elective	9		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

Technical Electives	Math or Science or Engineering Elective	Area Pathway Course
EEE 404: Real-Time DSP Systems	AEE Upper Division Elective	EEE 304: Signals and Systems II
EEE 407: Digital Signal Processing	BIO Upper Division Elective	EEE 333: Hardware Design Languages and Programmable Logic
EEE 425: Digital Systems and Circuits	BME Upper Division Elective	EEE 335: Analog and Digital Circuits
EEE 433: Analog Integrated Circuits	CEE Upper Division Elective	EEE 341: Engineering Electromagnetics
EEE 434: Quantum Mechanics for Engineers	CHE Upper Division Elective	EEE 352: Properties of Electronic Materials
EEE 435: Fundamentals of CMOS and MEMS	CHM Upper Division Elective	EEE 360: Energy Systems and Power Electronics
EEE 436: Fundamentals of Solid-State Devices	CPI Upper Division Elective	
EEE 437: Optoelectronics	CSE Upper Division Elective	
EEE 439: Semiconductor Facilities and Cleanroom Practices	IEE Upper Division Elective	
EEE 443: Antennas for Wireless Communications	MAE Upper Division Elective	
EEE 445: Microwaves	MAT Upper Division Elective	
EEE 448: Fiber Optics	MSE Upper Division Elective	
EEE 455: Communication Systems	PHY Upper Division Elective	
EEE 459: Communication Networks	STP 420: Introductory Applied Statistics (CS)	
EEE 460: Nuclear Power Engineering	STP 421: Probability	
EEE 463: Electrical Power Plants	Upper Division Technical Elective	
EEE 465: Photovoltaic Energy Conversion		
EEE 470: Electric Power Devices		
EEE 471: Power System Analysis		
EEE 472: Power Electronics and Power Management		
EEE 473: Electrical Machinery		
EEE 480: Feedback Systems		
EEE 481: Computer-Controlled Systems		
EEE 498: Constructionist Approach to Microprocessor Design		
EEE 498: Manufacturing Science of Solar Cells		
EEE 498: Networking for Big Data		
EEE 498: Python for Rapid Engineering Solutions		

EEE 498: Science and Technology of Solar Cell Fabrication

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EEE 498: Foundations Machine Learning: From Theory to Pract

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EEE 498: Machine Learning Basics with Application to FPGAs

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EEE 498: Renewable Energy Technology and Systems

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EEE 492: Honors Directed Study

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EEE 493: Honors Thesis (L)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/>.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Electrical Engineering, BSE




School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Online, ASU Local@Los Angeles](#)

ESEEEBSE

Term 1 - A 0 - 6 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
FSE 100: Introduction to Engineering	2		
Term hours subtotal:	6		

Term 1 - B 6 - 12 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 2 - A 12 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
Term hours subtotal:	8		

Term 2 - B 20 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 267: Calculus for Engineers III (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 3 - A 26 - 33 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
⚠ PHY 132: University Physics Laboratory II (SQ)	1	C	
EEE 120: Digital Design Fundamentals	3	C	
Term hours subtotal:	7		
Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAT 275: Modern Differential Equations (MA)	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS)	3	C	
⚠ Complete First-Year Composition requirement.			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		
Term 4 - A 39 - 46 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ EEE 202: Circuits I	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		
Term 4 - B 46 - 52 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ EEE 241: Fundamentals of Electromagnetics	3		<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research</a> experience.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs</a> and events.</li> </ul>
MAT 343: Applied Linear Algebra	3	C	
Term hours subtotal:	6		
Term 5 - A 52 - 58 Credit Hours	Hours	Minimum Grade	Notes
PHY 241: University Physics III	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 5 - B 58 - 65 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ EEE 334: Circuits II	4		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
EEE 203: Signals and Systems I	3		
Term hours subtotal:	7		
Term 6 - A 65 - 72 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ EEE 350: Random Signal Analysis	3		
Upper Division Area Pathway Course	4		
Term hours subtotal:	7		
Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes

EEE 230: Computer Organization and Assembly Language Programming	3
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).	
Term hours subtotal:	6

- Research and prepare for graduate school.
- Apply for an engineering 4+1 program.
- Develop a professional profile online.

Term 7 - A 78 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Area Pathway Course	4
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3
Term hours subtotal:	7

Term 7 - B 85 - 92 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Area Pathway Course	4
Upper Division Technical Elective	3
Term hours subtotal:	7

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

Term 8 - A 92 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EEE 488: Senior Design Laboratory I (L)	3
Upper Division Area Pathway Course	4
Term hours subtotal:	7

Term 8 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Math or Science or Engineering Elective	3
Upper Division Technical Elective	3
Term hours subtotal:	6

Term 9 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EEE 489: Senior Design Laboratory II (L)	3
Upper Division Technical Elective	3
Term hours subtotal:	6

Term 9 - B 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Technical Elective	3
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Term hours subtotal:	6

Term 10 - A 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Technical Elective	3
Term hours subtotal:	3



- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.

Hide Course List(s)/Track Group(s)

Technical Electives	Area Pathway Course	Math or Science or Engineering Elective
EEE 404: Real-Time DSP Systems	EEE 304: Signals and Systems II	AEE Upper Division Elective
EEE 407: Digital Signal Processing	EEE 333: Hardware Design Languages and Programmable Logic	BIO Upper Division Elective
EEE 425: Digital Systems and Circuits	EEE 335: Analog and Digital Circuits	BME Upper Division Elective
EEE 433: Analog Integrated Circuits	EEE 341: Engineering Electromagnetics	CEE Upper Division Elective
EEE 434: Quantum Mechanics for Engineers	EEE 352: Properties of Electronic Materials	CHE Upper Division Elective
EEE 435: Fundamentals of CMOS and MEMS	EEE 360: Energy Systems and Power Electronics	CHM Upper Division Elective
EEE 436: Fundamentals of Solid-State Devices		CPI Upper Division Elective
EEE 439: Semiconductor Facilities and Cleanroom Practices		CSE Upper Division Elective
EEE 443: Antennas for Wireless Communications		IEE Upper Division Elective
EEE 445: Microwaves		MAE Upper Division Elective
EEE 448: Fiber Optics		MAT Upper Division Elective
EEE 459: Communication Networks		MSE Upper Division Elective
EEE 460: Nuclear Power Engineering		PHY Upper Division Elective
EEE 463: Electrical Power Plants		Upper Division Technical Elective
EEE 465: Photovoltaic Energy Conversion		
EEE 470: Electric Power Devices		
EEE 471: Power System Analysis		
EEE 472: Power Electronics and Power Management		
EEE 473: Electrical Machinery		
EEE 480: Feedback Systems		
EEE 481: Computer-Controlled Systems		
EEE 498: Constructionist Approach to Microprocessor Design		
EEE 498: Manufacturing Science of Solar Cells		
EEE 498: Networking for Big Data		
EEE 498: Python for Rapid Engineering Solutions		

EEE 498: Science and Technology of Solar Cell Fabrication

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EEE 498: Foundations Machine Learning: From Theory to Pract

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EEE 498: Machine Learning Basics with Application to FPGAs

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EEE 498: Renewable Energy Technology and Systems

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EEE 492: Honors Directed Study

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EEE 493: Honors Thesis (L)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Electrical Engineering (Electric Power and Energy Systems), **BSE**

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESEEEPBASE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken the first semester.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
ASU 101-EEE: The ASU Experience	1			
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4			
CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS)	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
FSE 100: Introduction to Engineering	2			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 MAT 266: Calculus for Engineers II (MA)	3	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ)	3	C		
 PHY 122: University Physics Laboratory I (SQ)	1	C		
EEE 120: Digital Design Fundamentals	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 EEE 202: Circuits I	4		<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
MAT 267: Calculus for Engineers III (MA)	3	C		
MAT 275: Modern Differential Equations (MA)	3	C		

PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
PHY 132: University Physics Laboratory II (SQ)	1	C

⚠ Minimum 2.00 GPA ASU Cumulative.

Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 46 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
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⚠ EEE 203: Signals and Systems I	3	
⚠ EEE 241: Fundamentals of Electromagnetics	3	
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C
PHY 241: University Physics III	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Term hours subtotal:	15	

- Pursue an **undergraduate research** experience.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EEE 334: Circuits II	4	
EEE 230: Computer Organization and Assembly Language Programming	3	
EEE 350: Random Signal Analysis	3	
EEE 360: Energy Systems and Power Electronics	4	
Term hours subtotal:	14	

- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 3 courses: Upper Division Area Pathway Course	12	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Research and prepare for **graduate school**.
- Apply for an **engineering 4+1 program**.
- Develop a **professional profile online**.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EEE 488: Senior Design Laboratory I (L)	3	
Upper Division Math or Science or Engineering Elective	3	
Complete 2 courses: Upper Division Power Technical Elective	6	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Term hours subtotal:	15	

- Plan for success using the **Senior Guide**.
- Use **Handshake** to apply for full-time positions.
- Complete an in person or virtual **practice interview**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EEE 489: Senior Design Laboratory II (L)	3	
Upper Division Power Technical Elective	3	
Complete 2 courses: Upper Division Technical Elective	6	

Upper Division Humanities, Arts and Design (HU) OR Upper Division  
Social-Behavioral Sciences (SB) 3

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

Technical Electives	Math or Science or Engineering Elective	Power Technical Electives
EEE 404: Real-Time DSP Systems	AEE Upper Division Elective	EEE 460: Nuclear Power Engineering
EEE 407: Digital Signal Processing	BIO Upper Division Elective	EEE 463: Electrical Power Plants
EEE 425: Digital Systems and Circuits	BME Upper Division Elective	EEE 465: Photovoltaic Energy Conversion
EEE 433: Analog Integrated Circuits	CEE Upper Division Elective	EEE 470: Electric Power Devices
EEE 434: Quantum Mechanics for Engineers	CHE Upper Division Elective	EEE 471: Power System Analysis
EEE 435: Fundamentals of CMOS and MEMS	CHM Upper Division Elective	EEE 472: Power Electronics and Power Management
EEE 436: Fundamentals of Solid-State Devices	CPI Upper Division Elective	EEE 473: Electrical Machinery
EEE 437: Optoelectronics	CSE Upper Division Elective	
EEE 439: Semiconductor Facilities and Cleanroom Practices	IEE Upper Division Elective	
EEE 443: Antennas for Wireless Communications	MAE Upper Division Elective	
EEE 445: Microwaves	MAT Upper Division Elective	
EEE 448: Fiber Optics	MSE Upper Division Elective	
EEE 455: Communication Systems	PHY Upper Division Elective	
EEE 459: Communication Networks	STP 420: Introductory Applied Statistics (CS)	
EEE 460: Nuclear Power Engineering	STP 421: Probability	
EEE 463: Electrical Power Plants	Upper Division Technical Elective	
EEE 465: Photovoltaic Energy Conversion		
EEE 470: Electric Power Devices		
EEE 471: Power System Analysis		
EEE 472: Power Electronics and Power Management		
EEE 473: Electrical Machinery		
EEE 480: Feedback Systems		
EEE 481: Computer-Controlled Systems		
EEE 492: Honors Directed Study		
EEE 493: Honors Thesis (L)		
EEE 498: Constructionist Approach to Microprocessor Design		

EEE 498: Manufacturing Science of Solar Cells

EEE 498: Networking for Big Data

EEE 498: Python for Rapid Engineering Solutions

EEE 498: Science and Technology of Solar Cell Fabrication

EEE 498: Foundations Machine Learning: From Theory to Pract

EEE 498: Machine Learning Basics with Application to FPGAs

EEE 498: Renewable Energy Technology and Systems

Area Pathway Course

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages and Programmable Logic

EEE 335: Analog and Digital Circuits

EEE 341: Engineering Electromagnetics

EEE 352: Properties of Electronic Materials

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Electrical Engineering (Electric Power and Energy Systems), **BSE**




School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Online, ASU Local@Los Angeles](#)

ESEEEPBASE














Term 1 - A 0 - 6 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> </ul>
ASU 101-EEE: The ASU Experience	1		
FSE 100: Introduction to Engineering	2		
Term hours subtotal:	6		

Term 1 - B 6 - 12 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 2 - A 12 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
Term hours subtotal:	8		

Term 2 - B 20 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 267: Calculus for Engineers III (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		



Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
EEE 120: Digital Design Fundamentals	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
Term hours subtotal:	7		
Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
MAT 275: Modern Differential Equations (MA)	3	C	
 Complete First-Year Composition requirement.			
 Minimum 2.00 GPA ASU Cumulative. Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		
Term 4 - A 39 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 202: Circuits I	4		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		
Term 4 - B 46 - 52 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 241: Fundamentals of Electromagnetics	3		<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
MAT 343: Applied Linear Algebra	3	C	
Term hours subtotal:	6		
Term 5 - A 52 - 58 Credit Hours	Hours	Minimum Grade	Notes
PHY 241: University Physics III	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		
Term 5 - B 58 - 65 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 203: Signals and Systems I	3		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization competitions</a> or <a href="#">professional societies</a>.</li> </ul>
 EEE 334: Circuits II	4		
Term hours subtotal:	7		
Term 6 - A 65 - 72 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EEE 350: Random Signal Analysis	3		
EEE 360: Energy Systems and Power Electronics	4		
Term hours subtotal:	7		
Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes

EEE 230: Computer Organization and Assembly Language Programming	3
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).	
Term hours subtotal:	6

- Research and prepare for graduate school.
- Develop a professional profile online.

Term 7 - A 78 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Area Pathway Course	4		
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	7		

Term 7 - B 85 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Area Pathway Course	4		
Upper Division Power Technical Elective	3		
Term hours subtotal:	7		

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

Term 8 - A 92 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EEE 488: Senior Design Laboratory I (L)	3		
★ Upper Division Area Pathway Course	4		
Term hours subtotal:	7		

Term 8 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Math or Science or Engineering Elective	3		
Upper Division Power Technical Elective	3		
Term hours subtotal:	6		

Term 9 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EEE 489: Senior Design Laboratory II (L)	3		
Upper Division Power Technical Elective	3		
Term hours subtotal:	6		

Term 9 - B 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Technical Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 10 - A 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Technical Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Technical Electives	Math or Science or Engineering Elective	Power Technical Electives
EEE 404: Real-Time DSP Systems	AEE Upper Division Elective	EEE 460: Nuclear Power Engineering
EEE 407: Digital Signal Processing	BIO Upper Division Elective	EEE 463: Electrical Power Plants
EEE 425: Digital Systems and Circuits	BME Upper Division Elective	EEE 465: Photovoltaic Energy Conversion
EEE 433: Analog Integrated Circuits	CEE Upper Division Elective	EEE 470: Electric Power Devices
EEE 434: Quantum Mechanics for Engineers	CHE Upper Division Elective	EEE 471: Power System Analysis
EEE 435: Fundamentals of CMOS and MEMS	CHM Upper Division Elective	EEE 472: Power Electronics and Power Management
EEE 436: Fundamentals of Solid-State Devices	CPI Upper Division Elective	EEE 473: Electrical Machinery
EEE 439: Semiconductor Facilities and Cleanroom Practices	CSE Upper Division Elective	
EEE 443: Antennas for Wireless Communications	IEE Upper Division Elective	
EEE 445: Microwaves	MAE Upper Division Elective	
EEE 448: Fiber Optics	MAT Upper Division Elective	
EEE 455: Communication Systems	MSE Upper Division Elective	
EEE 459: Communication Networks	PHY Upper Division Elective	
EEE 460: Nuclear Power Engineering	Upper Division Technical Elective	
EEE 463: Electrical Power Plants		
EEE 465: Photovoltaic Energy Conversion		
EEE 470: Electric Power Devices		
EEE 471: Power System Analysis		
EEE 472: Power Electronics and Power Management		
EEE 473: Electrical Machinery		
EEE 480: Feedback Systems		
EEE 481: Computer-Controlled Systems		
EEE 492: Honors Directed Study		
EEE 493: Honors Thesis (L)		
EEE 498: Constructionist Approach to Microprocessor Design		
EEE 498: Manufacturing Science of Solar Cells		
EEE 498: Networking for Big Data		
EEE 498: Python for Rapid Engineering Solutions		

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EEE 498: Science and Technology of Solar Cell Fabrication

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EEE 498: Foundations Machine Learning: From Theory to Pract

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EEE 498: Machine Learning Basics with Application to FPGAs

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EEE 498: Renewable Energy Technology and Systems

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Area Pathway Course

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EEE 304: Signals and Systems II

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EEE 333: Hardware Design Languages and Programmable Logic

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EEE 335: Analog and Digital Circuits

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EEE 341: Engineering Electromagnetics

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EEE 352: Properties of Electronic Materials

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Engineering, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	

PHY 121: University Physics I: Mechanics (SQ)	3	C
PHY 122: University Physics Laboratory I (SQ)	1	C
◆ Complete MAT 266 course(s).		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.

- Prep for success using the [Sophomore Guide](#).
- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ EGR 202: Use-Inspired Design Project II	3	C	<ul style="list-style-type: none"> <li>• Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.</li> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
◆ EGR 217: Engineering Mechanics Fundamentals	3	C	
◆ EGR 219: Computational Modeling of Engineering Systems	3	C	
EGR 280: Engineering Statistics (CS)	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
◆ Complete EGR 216 AND EGR 218 course(s).			
◆ Complete MAT 267 course(s).			
◆ Milestone: Selection of Engineering concentration			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

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- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 63  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Engineering (Automotive Systems), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRASBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	



❖ Complete MAT 266 course(s).

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ EGR 202: Use-Inspired Design Project II	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
❖ EGR 217: Engineering Mechanics Fundamentals	3	C	
❖ EGR 219: Computational Modeling of Engineering Systems	3	C	
EGR 280: Engineering Statistics (CS)	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
❖ Complete EGR 216 AND EGR 218 course(s).			
❖ Complete MAT 267 course(s).			
Term hours subtotal:	15		

Term 5 63 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 306: Automotive Systems Project I	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ EGR 340: Engineering Thermo-Fluids I	3	C	
Secondary Focus Area (EGR 360 recommended)	3		
PHY 321: Vector Mechanics and Vibration	3		
Term hours subtotal:	12		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 316: Automotive Systems Project II	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
★ EGR 363: Automotive Powertrains and Thermal Systems	3	C	
HST 318: History of Engineering ((L or SB) & G)	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Students must select a Science Elective from the listed courses below.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> </ul>
EGR 330: Design of Electrical Systems OR EGR 432: Engineering Thermo-Fluids II	3		
Upper Division Secondary Focus Area	3		
Science Elective	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

- Use **Handshake** to apply for full-time positions.
- Complete an in person or virtual **practice interview**.

Term 8 105 - 120 Credit Hours <b>Necessary course signified by ★</b>	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> </ul>
EGR 463: Vehicle Electrical Systems and Hybrid Systems	3		
EGR 465: Ground Vehicle Dynamics	3		
Upper Division Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Science Elective
AST 111: Introduction to Solar Systems Astronomy (SQ)
BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Engineering (Electrical Systems), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRESBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	

❖ Complete MAT 266 course(s).

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ EGR 202: Use-Inspired Design Project II	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
❖ EGR 217: Engineering Mechanics Fundamentals	3	C	
❖ EGR 219: Computational Modeling of Engineering Systems	3	C	
EGR 280: Engineering Statistics (CS)	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
❖ Complete EGR 216 AND EGR 218 course(s).			
❖ Complete MAT 267 course(s).			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 304: Embedded Systems Design Project I	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ EGR 330: Design of Electrical Systems	3	C	
HST 318: History of Engineering ((L or SB) & G)	3		
Science Elective (PHY 131 recommended)	3		
Secondary Focus Area	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 314: Embedded Systems Design Project II	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
★ EGR 334: Analog-Digital Interface	3	C	
EGR 338: Microcontrollers in Smart Systems	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> </ul>
★ EGR 430: Design, Fabrication, and Architecture of Electronic Devices	3		
PHY 331: Principles of Modern Electromagnetism	3		
Upper Division Secondary Focus Area	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

- Complete an in person or virtual **practice interview**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> </ul>
EGR 431: Power Management OR EGR 476: Microgrid Design and Operation	3		
Upper Division Secondary Focus Area	3		
Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	12		

#### Hide Course List(s)/Track Group(s)

Science Elective
AST 111: Introduction to Solar Systems Astronomy (SQ)
BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Engineering (Mechanical Engineering Systems), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRMEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	



❖ Complete MAT 266 course(s).

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ EGR 202: Use-Inspired Design Project II	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
❖ EGR 217: Engineering Mechanics Fundamentals	3	C	
❖ EGR 219: Computational Modeling of Engineering Systems	3	C	
EGR 280: Engineering Statistics (CS)	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
❖ Complete EGR 216 AND EGR 218 course(s).			
❖ Complete MAT 267 course(s).			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 303: Mechanical Systems Project I	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ EGR 340: Engineering Thermo-Fluids I	3	C	
PHY 321: Vector Mechanics and Vibration	3		
Secondary Focus Area	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 313: Mechanical Systems Project II	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
★ EGR 343: Mechanics of Solid Materials	3	C	
HST 318: History of Engineering ((L or SB) & G)	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> </ul>
★ EGR 432: Engineering Thermo-Fluids II	3		
★ EGR 444: Engineering Design	3	C	
Upper Division Secondary Focus Area	3		
Science Elective	3		
Term hours subtotal:	15		

- Complete an in person or virtual **practice interview**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> </ul>
EGR 445: Mechanical Engineering Systems	3		
Upper Division Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Science Elective
AST 111: Introduction to Solar Systems Astronomy (SQ)
BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Engineering (Robotics), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSEGRRBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L)	3	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	

❖ Complete MAT 266 course(s).

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ EGR 202: Use-Inspired Design Project II	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
❖ EGR 217: Engineering Mechanics Fundamentals	3	C	
❖ EGR 219: Computational Modeling of Engineering Systems	3	C	
EGR 280: Engineering Statistics (CS)	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
❖ Complete EGR 216 AND EGR 218 course(s).			
❖ Complete MAT 267 course(s).			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 304: Embedded Systems Design Project I	3	C	<ul style="list-style-type: none"> <li>If Electrical, must take EGR 330.</li> <li>If Mechanical, must take EGR 343.</li> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
★ EGR 455: Robotic Systems I	3	C	
EGR 330: Design of Electrical Systems OR EGR 343: Mechanics of Solid Materials	3	C	
PHY 321: Vector Mechanics and Vibration	3		
Secondary Focus Area	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 314: Embedded Systems Design Project II	3	C	<ul style="list-style-type: none"> <li>If Electrical, must take EGR 334.</li> <li>If Mechanical, must take EGR 444.</li> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
★ EGR 334: Analog-Digital Interface OR EGR 444: Engineering Design	3		
★ EGR 456: Robotic Systems II	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For</li> </ul>
Upper Division Secondary Focus Area	3		
Science Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Term hours subtotal: 15

example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.

- Plan for success using the **Senior Guide**.
- Use **Handshake** to apply for full-time positions.
- Complete an in person or virtual **practice interview**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EGR 402: Professional Design Project II 3

EGR 433: Transforms and Systems Modeling 3

HST 318: History of Engineering ((L or SB) & G) 3

Upper Division Secondary Focus Area 3

Term hours subtotal: 12

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.

Hide Course List(s)/Track Group(s)

Science Elective

AST 111: Introduction to Solar Systems Astronomy (SQ)

BIO 181: General Biology I (SQ)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I (Physical) (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Engineering Management, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESEMGBSE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASU 101-IEE: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>If ENG 105 is taken, a 3 credit hour elective must also be taken prior to graduation.</li> <li>Students taking CHM 113 for Basic Science Elective need to earn a "C" minimum grade and complete CHM 116 for the degree.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Basic Science Elective	3-4		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15-16		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107.			
 Complete MAT 170 OR MAT 265 OR MAT 270 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	



ACC 231: Uses of Accounting Information I	3	C
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	
MAT 267: Calculus for Engineers III (MA)	3	C
Global Engineering/Sustainability/Entrepreneurship Course	3-4	
❖ Complete MAT 266 OR MAT 271 course(s).		
❖ Complete First-Year Composition requirement.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16-17	

- Students with credit for CHM 113 must take CHM 116.
- Please note that COM 263 in term 4 requires a minimum 2.00 GPA as a prerequisite.
- Prep for success using the [Sophomore Guide](#).

Term 4 47 - 62 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	<ul style="list-style-type: none"> <li>• Pursue an undergraduate research experience.</li> <li>• Apply for internships.</li> <li>• Attend career fairs and events.</li> </ul>
ACC 241: Uses of Accounting Information II	3	C	
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
Math or Science Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 431: Engineering Administration (L)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at student organization competitions or professional societies.</li> </ul>
IEE 300: Economic Analysis for Engineers	3	C	
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
MGT 300: Organization and Management Leadership	3	C	
Industry Focus Area Elective	3	C	
Term hours subtotal:	15		

Term 6 77 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 321: Professional Engineering Practice	1	C	<ul style="list-style-type: none"> <li>• Research and prepare for graduate school.</li> <li>• Apply for an engineering 4+1 program.</li> <li>• Develop a professional profile online.</li> </ul>
★ IEE 458: Project Management	3	C	
IEE 369: Work Analysis and Design (L)	3	C	
IEE 381: Lean Six Sigma Methodology	3	C	
IEE 477: System Dynamics and Thinking	3	C	
Upper Division Industry Focus Area Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 485: Systems Design Capstone I (L)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
IEE 454: Risk Management	3	C	
Math or Science Elective	3	C	
Complete 2 courses:	6	C	
Upper Division Industry Focus Area Elective			

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 486: Systems Design Capstone II (L)	3	C	
IEE 456: Introduction to Systems Engineering	3	C	
Upper Division Industry Focus Area Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

- Contact CIDSE Advising or visit the [CIDSE website](#) for additional information about Math or Science Electives, Industry Focus Area Electives, or IEE Technical Elective courses (see Career Focus Area for details).
- For Industry Focus Area Electives, please note that some courses are sequential and may be only offered in the Fall or Spring semester. Also, some courses may require additional prerequisites.

Hide Course List(s)/Track Group(s)

Basic Science Elective	Global Engineering/Sustainability/Entrepreneurship	Industry Focus Area Elective (Business Analytics Industry)
BIO 181: General Biology I (SQ)	ABS 270: Sustainable Biological Systems	IEE 376: Operations Research Deterministic Techniques/Applications
BIO 182: General Biology II (SG)	ALA 102: Landscapes and Sustainability (HU & G)	IEE 385: Engineering Statistics: Probability
BIO 201: Human Anatomy and Physiology I (SG)	CEE 181: Technological, Social, and Sustainable Systems (HU)	IEE 3** Elective
BIO 202: Human Anatomy and Physiology II (SG)	FSE 150: Perspectives on Grand Challenges for Engineering (SB)	IEE 461: Production Control
BME 111: Engineering Perspectives on Biological Systems	FSE 301: Entrepreneurship and Value Creation	IEE 474: Quality Control
CHM 113: General Chemistry I (SQ)	PUP 190: Sustainable Cities ((HU or SB) & G) or SOS 111: Sustainable Cities ((HU or SB) & G)	IEE 4** Elective
GLG 101: Introduction to Geology I (Physical) (SQ)	SES 106: Habitable Worlds (SQ)	Math or Science Elective (Business Analytics Industry)
GLG 102: Introduction to Geology II (Historical) (SG & H)	SOS 100: Introduction to Sustainability (G)	MAT 275: Modern Differential Equations (MA)
GLG 110: Dangerous World (SQ & G)	SOS 110: Sustainable World (SB)	PHY 131: University Physics II: Electricity and Magnetism (SQ)
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)		
Industry Focus Area Elective (Communication and Networks Industry)	Industry Focus Area Elective (Electronics and Semiconductor Industry)	Industry Focus Area Elective (Mechanical Systems Industry)
EEE 202: Circuits I	EEE 202: Circuits I	Required Courses
EEE 203: Signals and Systems I	EEE 241: Fundamentals of Electromagnetics	CEE 384: Numerical Methods for Engineers (CS) or MAE 384: Advanced Mathematical Methods for Engineers (CS)
EEE 350: Random Signal Analysis	EEE 352: Properties of Electronic Materials	
EEE 455: Communication Systems	EEE 434: Quantum Mechanics for Engineers	MAE 201: Mechanics of Particles and Rigid Bodies I: Statics
EEE 459: Communication Networks	EEE 435: Fundamentals of CMOS and MEMS	

Math or Science Elective (Communication and Networks industry)	EEE 436: Fundamentals of Solid-State Devices	MAE 241: Introduction to Thermodynamics
		Elective Choices
MAT 275: Modern Differential Equations (MA)	EEE 439: Semiconductor Facilities and Cleanroom Practices	MEE 340: Heat Transfer
PHY 131: University Physics II: Electricity and Magnetism (SQ)	Math or Science Elective (Electronics and Semiconductor Industry)	MEE 434: Internal Combustion Engines
	MAT 275: Modern Differential Equations (MA)	MEE 482: Intermediate Thermodynamics
	PHY 131: University Physics II: Electricity and Magnetism (SQ)	MSE 355: Structure and Defects
		Math or Science Elective (Mechanical Systems Industry)
		MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics
		MAT 275: Modern Differential Equations (MA)
		MSE 250: Structure and Properties of Materials
Industry Focus Area Elective (Power Systems Industry)	Industry Focus Area Elective (Software Industry)	Industry Focus Area Elective (Sustainable and Environmentally Benign Industry)
EEE 202: Circuits I	CSE 240: Introduction to Programming Languages or CSE 220: Programming for Computer Engineering	CEE 213: Introduction to Deformable Solids
EEE 241: Fundamentals of Electromagnetics	CSE 310: Data Structures and Algorithms	CEE 361: Introduction to Environmental Engineering
EEE 360: Energy Systems and Power Electronics	CSE 360: Introduction to Software Engineering	CEE 400: Earth Systems Engineering and Management ((L or HU) & H)
EEE 463: Electrical Power Plants	CSE 3** Elective	CEE 467: Environmental Microbiology
EEE 470: Electric Power Devices	CSE 4** Elective	CEE 470: Sustainable Environmental Biotechnologies
EEE 472: Power Electronics and Power Management	Math or Science Elective (Software Industry)	Math or Science Elective (Sustainable and Environmentally Benign Industry)
Math or Science Elective (Power Systems Industry)	Note: MAT 243 is required.	CEE 210: Engineering Mechanics I: Statics or EVE 214: Environmental Engineering Mechanics
MAT 275: Modern Differential Equations (MA)	MAT 243: Discrete Mathematical Structures	MAT 275: Modern Differential Equations (MA)
PHY 131: University Physics II: Electricity and Magnetism (SQ)	General Math or Science Course	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Economics, BS

School/College: W. P. Carey School of Business

Location:

BAECNBS

and

Engineering

Management,

BSE

Ira A. Fulton Schools of Engineering

ESEMGBSE

In order to complete this concurrent degree in four years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn more](#) about summer financial aid and additional ways to cover summer costs.

Term 1 0 - 15 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ASU 101-IEE or WPC 101 meets this requirement.</li> <li>Students taking CHM 113 for the Basic Science Elective need to earn a "C" minimum grade and complete CHM 116 for the degree.</li> </ul>
⚠ MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-IEE: The ASU Experience OR WPC 101: Student Success in Business	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Basic Science Elective	3-4		
⚠ Business Skills Courses: No Grades of D or E			
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15-16		

Term 2 15 - 31.25 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or organization</li> <li>Create your first college <a href="#">resume</a></li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
⚠ MAT 266: Calculus for Engineers II (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	

WPC 150: Business and Society 3 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16.25

Summer 2 Session 1 31.25 - 37.25 Credit Hours	Hours	Minimum Grade	Notes
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COM 263: Elements of Intercultural Communication (SB & C & G) 3

ECN 211: Macroeconomic Principles (SB) 3 C

Term hours subtotal: 6

Summer 2 Session 2 37.25 - 43.25 Credit Hours	Hours	Minimum Grade	Notes
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ECN 212: Microeconomic Principles (SB) 3 C

PSY 101: Introduction to Psychology (SB) OR SOC course (SB) 3

Term hours subtotal: 6

Term 3 43.25 - 59.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) 4

LES 305: Business Law and Ethics for Managers 3 C

MAT 267: Calculus for Engineers III (MA) 3 C

WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management 0.25 C

Global Engineering/Sustainability/Entrepreneurship Track Course 3-4

Business Skills Courses: No Grades of D or E

Complete ECN 211 OR ECN 212 course(s).

Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16.25-17.25

- Students who took CHM 113 for the Basic Science Elective in term 1 must complete CHM 116 for the degree
- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore [career resources](#)
- Meet with your Career Coaches
- Develop your [professional online presence](#)

Term 4 59.50 - 77.50 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

IEE 380: Probability and Statistics for Engineering Problem Solving (CS) 3 C

MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) 3 C

MKT 300: Marketing and Business Performance 3 C

ECN Upper Division Elective 3 C

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Business Skills Courses: No Grades of D or E

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 18

- A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.

Summer 4 Session 1 77.50 - 83.50 Credit Hours	Hours	Minimum Grade	Notes
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ENG 302: Business Writing (L)	3	
WPC 300: Problem Solving and Actionable Analytics	3	C
Term hours subtotal:	6	

Summer 4 Session 2 83.50 - 89.50 Credit Hours	Hours	Minimum Grade	Notes
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
MGT 300: Organization and Management Leadership	3	C	
Term hours subtotal:	6		

Term 5 89.50 - 104.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Attend Career Fairs</li> <li>• Apply for internships or create one</li> <li>• Complete informational interviews</li> </ul>
★ IEE 376: Operations Research Deterministic Techniques/Applications	3	C	
IEE 300: Economic Analysis for Engineers	3	C	
IEE 385: Engineering Statistics: Probability	3	C	
IEE 431: Engineering Administration (L)	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	15.25		

Term 6 104.75 - 120.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	
★ IEE 477: System Dynamics and Thinking	3	C	
IEE 321: Ethics and Technical Communication	1	C	
IEE 369: Work Analysis and Design (L)	3	C	
IEE 381: Lean Six Sigma Methodology	3	C	
IEE 458: Project Management	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Summer 6 Session 1 120.75 - 126.75 Credit Hours	Hours	Minimum Grade	Notes
ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G)	3	C	
SCM 300: Global Supply Operations	3	C	
Term hours subtotal:	6		

Summer 6 Session 2 126.75 - 132.75 Credit Hours	Hours	Minimum Grade	Notes
MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 7 132.75 - 150.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C	

★ ECN 4** Elective	3	C
★ IEE 454: Risk Management	3	C
★ IEE 485: Systems Design Capstone I (L)	3	C
IEE 412: Introduction to Financial Engineering	3	C
IEE 474: Quality Control	3	C
Term hours subtotal:	18	

- All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480.
- A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.

Term 8 150.75 - 169.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L)	3	C	<ul style="list-style-type: none"> <li>• A maximum of 3 credit hours of ECN 484 and ECN 499 can be taken.</li> <li>• Apply for full-time career opportunities</li> </ul>
★ ECN 4** Elective	3	C	
★ IEE 456: Introduction to Systems Engineering	3	C	
★ IEE 486: Systems Design Capstone II (L)	3	C	
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
IEE 461: Production Control	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Term hours subtotal:	18.25		

Hide Course List(s)/Track Group(s)

Basic Science Elective - select one course (3-4 credit hours)	Global Engineering/Sustainability/Entrepreneurship Track - select one course (3-4 credit hours)	Business Skills Courses - No Grades of D or E
BIO 181: General Biology I (SQ)	ABS 270: Sustainable Biological Systems	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting
BIO 182: General Biology II (SG)	ALA 102: Landscapes and Sustainability (HU & G)	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting
BIO 201: Human Anatomy and Physiology I (SG)	CEE 181: Technological, Social, and Sustainable Systems (HU)	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
BIO 202: Human Anatomy and Physiology II (SG)	FSE 301: Entrepreneurship and Value Creation	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
BME 111: Engineering Perspectives on Biological Systems	PUP 190: Sustainable Cities ((HU or SB) & G) or SOS 111: Sustainable Cities ((HU or SB) & G)	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
CHM 113: General Chemistry I (SQ)	SES 106: Habitable Worlds (SQ)	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
GLG 101: Introduction to Geology I (Physical) (SQ)	SOS 110: Sustainable World (SB)	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
GLG 102: Introduction to Geology II (Historical) (SG & H)		MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
GLG 110: Dangerous World (SQ & G)		
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)		



**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 169

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Engineering Management, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online, ASU Local@Los Angeles](#)

ESEMGBSE

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-ONL: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>If ENG 105 is taken, a 3 credit hour elective must also be taken prior to graduation.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 24 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
FSE 100: Introduction to Engineering	2	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
Basic Science Elective	3-4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	5-6		
Term 3 - A 24 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
Term hours subtotal:	6		

Term 3 - B 30 - 36 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		
Term 4 - A 36 - 43 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ ACC 231: Uses of Accounting Information I	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
Term hours subtotal:	7		
Term 4 - B 43 - 49 Credit Hours	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
Math or Science Elective	3	C	
Term hours subtotal:	6		
Term 5 - A 49 - 55 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
Term hours subtotal:	6		
Term 5 - B 55 - 62 Credit Hours	Hours	Minimum Grade	Notes
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization competitions</a> or professional societies.</li> </ul>
Global Engineering/Sustainability/Entrepreneurship Course	3-4		
Term hours subtotal:	7-8		
Term 6 - A 62 - 68 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ IEE 300: Economic Analysis for Engineers	3	C	
Math or Science Elective	3	C	
Term hours subtotal:	6		
Term 6 - B 68 - 74 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
IEE 454: Risk Management	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for an <a href="#">engineering 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
MAT 343: Applied Linear Algebra	3	C	
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
Term 7 - A 74 - 80 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
IEE 381: Lean Six Sigma Methodology	3	C	

★ IEE 458: Project Management	3	C
Term hours subtotal:	6	

Term 7 - B 80 - 86 Credit Hours	Hours	Minimum Grade	Notes
IEE 431: Engineering Administration (L)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Senior Guide</a>.</li> <li>• Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Industry Focus Area Elective	3	C	
Term hours subtotal:	6		

Term 8 - A 86 - 92 Credit Hours	Hours	Minimum Grade	Notes
IEE 369: Work Analysis and Design (L)	3	C	
Upper Division Industry Focus Area Elective	3	C	
Term hours subtotal:	6		

Term 8 - B 92 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Industry Focus Area Elective	3	C	
★ IEE 321: Professional Engineering Practice	1	C	
Term hours subtotal:	4		

Term 9 - A 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 485: Systems Design Capstone I (L)	3	C	
IEE 477: System Dynamics and Thinking	3	C	
Term hours subtotal:	6		

Term 9 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Industry Focus Area Elective	6	C	
Term hours subtotal:	6		

Term 10 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 486: Systems Design Capstone II (L)	3	C	
IEE 456: Introduction to Systems Engineering	3	C	
Term hours subtotal:	6		

Term 10 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
MGT 300: Organization and Management Leadership	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.

- Industry Focus Area: Select a minimum of 15 credit hours from one Industry Focus Area track, and a minimum of six credit hours from the corresponding Math/Science course list.

Hide Course List(s)/Track Group(s)

Basic Science Elective	Global Engineering/Sustainability/Entrepreneurship	Industry Focus Area (Business Analytics)
BIO 181: General Biology I (SQ)	ABS 270: Sustainable Biological Systems	Complete 5 classes from the list below:
BIO 182: General Biology II (SG)	FSE 301: Entrepreneurship and Value Creation	IEE 376: Operations Research Deterministic Techniques/Applications
BIO 201: Human Anatomy and Physiology I (SG)	PUP 190: Sustainable Cities ((HU or SB) & G)	IEE 385: Engineering Statistics: Probability
BIO 202: Human Anatomy and Physiology II (SG)	SES 106: Habitable Worlds (SQ)	IEE 3** Elective
CHM 113: General Chemistry I (SQ)	SOS 100: Introduction to Sustainability (G)	IEE 461: Production Control
GLG 101: Introduction to Geology I (Physical) (SQ)	SOS 110: Sustainable World (SB)	IEE 474: Quality Control
GLG 102: Introduction to Geology II (Historical) (SG & H)	SOS 111: Sustainable Cities ((HU or SB) & G)	IEE 4** Elective
GLG 110: Dangerous World (SQ & G)		Math or Science Elective (Business Analytics Industry)
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)		MAT 275: Modern Differential Equations (MA)
PHY 241: University Physics III		PHY 131: University Physics II: Electricity and Magnetism (SQ)
Industry Focus Area (Software Engineering)		
Required Courses:		
SER 222: Design and Analysis of Data Structures and Algorithms		
SER 334: Operating Systems and System Programming		
Complete 3 classes from the list below:		
SER 321: Principles of Distributed Software Systems		
SER 322: Principles of Database Management		
SER 421: Web-Based Applications		
SER 422: Web Application Programming		
SER 423: Mobile Systems		
Math and Science Elective (Software Engineering Industry)		
CSE 230: Computer Organization and Assembly Language Programming		
MAT 243: Discrete Mathematical Structures		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Environmental Engineering, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESEVEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FSE 100: Introduction to Engineering	2	C	<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 394 is required for all new transfer students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CEE: The ASU Experience	1		
CHM 113: General Chemistry I (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
CEE 181: Technological, Social, and Sustainable Systems (HU)	3		
CHM 116: General Chemistry II (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 275: Modern Differential Equations (MA)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
EVE 261: Introduction to Environmental Processes	3	C	

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

◆ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 47 - 62 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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◆ MAT 267: Calculus for Engineers III (MA) 3 C

CHE 211: Introduction to Chemical Processing 3 C

EVE 214: Environmental Engineering Mechanics 3 C

EVE 302: Environmental Engineering Fundamentals: Physical and Chemical Processes 3

GLG 101: Introduction to Geology I (Physical) (SQ) OR GLG 108: Water Planet (SQ) OR GLG 110: Dangerous World (SQ & G) 3-4

Term hours subtotal: 15-16

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EVE 303: Environmental Engineering Fundamentals: Microbiological Processes 3

CEE 213: Introduction to Deformable Solids 3 C

CEE 300: Engineering Business Practice (L) 3

CEE 384: Numerical Methods for Engineers (CS) 3

IEE 380: Probability and Statistics for Engineering Problem Solving (CS) 3

Term hours subtotal: 15

- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CEE 341: Fluid Mechanics for Civil Engineers 4

CEE 353: Civil Engineering Materials 4

EVE 304: Environmental Engineering Processes Lab 2

EVE 452: Environmental Investigation and Remediation Design 3

Technical Elective 1

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 14

- Research and prepare for graduate school.
- Apply for a Fulton Schools 4+1 program.
- Develop a professional profile online.

Summer 6 91 - 92 Credit Hours	Hours	Minimum Grade	Notes
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EVE 484: Internship 1 C

Term hours subtotal: 1

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CEE 467: Environmental Microbiology 3

CEE 400: Earth Systems Engineering and Management ((L or HU) & H) 3

CEE 440: Hydrology 3

CEE 462: Unit Operations in Environmental Engineering 3

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.



Technical Elective 3

Term hours subtotal: 15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 486: Integrated Civil Engineering Design (L)	4		
CEE 441: Water Resources Engineering	3		
ERM 401: Hazardous Waste Management	3		
Technical Elective	3		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

Technical Elective

CEE 281: Surveying

CEE 351: Geotechnical Engineering

CEE 372: Transportation Engineering

CEE 466: Urban Water System Design

CEE 470: Sustainable Environmental  
Biotechnologies

CEE 481: Civil Engineering Project  
Management

CEE 485: Sustainable Civil and Environmental  
Systems Engineering

CEE 493: Honors Thesis (L)

CEE 499: Individualized Instruction

CHE 469: Air Quality Engineering

CHM 231: Elementary Organic Chemistry  
(SQ)

EVE 484: Internship

EVE 494: Special Topics

EVE 498: Pro-Seminar

EVE 499: Individualized Instruction

PUP 301: Introduction to Urban Planning (L)

PUP 442: Environmental Planning

PUP 465: Sustainable Urbanism

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Environmental and Resource Management, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSETMBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	14		
Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ERM 191: First-Year Seminar	1		<ul style="list-style-type: none"> <li>Students wishing to take HSE 230 in Term 3 should complete HSE 101 in Term 2.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
BIO 181: General Biology I (SQ)	4	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) ( HSE 101 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ERM 201: Environmental Management	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ)	3	C	
STP 226: Elements of Statistics (CS) OR HSE 230: Statistics for Human Systems Research I (CS)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete CHM 113 course(s).			
 Complete MAT 210 course(s).			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ ERM 203: Environmental Regulations	3	C	<ul style="list-style-type: none"> <li>• Pursue an undergraduate research experience.</li> <li>• Apply for internships.</li> <li>• Attend career fairs and events.</li> </ul>
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Technical Elective	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
⚠ Complete CHM 231 course(s).			
Term hours subtotal:		16	

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ERM 407: Occupational Hygiene	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
ERM 432: Sustainable Solid Waste Management	3		
ERM Upper Division Elective	3		
Technical Elective	3		
Upper Division Literacy and Critical Inquiry (L) ( TWC 446 recommended)	3		
Term hours subtotal:		15	

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ERM 302: Water and Wastewater Treatment Technology	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
ERM 401: Hazardous Waste Management	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ERM 402: Unit Treatment Technologies	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
ERM Upper Division Elective	3		
ERM OR ABS OR SOS Upper Division Elective	3		
Technical Elective	3		
Elective OR ERM 484: Internship	3		
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ERM 480: Senior Project	3	C	
ERM 406: Environmental Chemistry	3		
ERM 428: International Environmental Management (G)	3		
ERM OR ABS OR SOS Upper Division Elective	3		

Technical Elective

3

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

Technical Elective(s)

ABS Elective

AGB Elective

BIO Elective

CEE Elective

CHM Elective

CIS Elective

CSE Elective

ECN Elective

EDT Elective

EGR Elective

FSE Elective

GIS Elective

GLG Elective

GPH Elective

HSE Elective

IFT Elective

MAT Elective

MFG Elective

OMT Elective

PHY Elective

PUP Elective

SOS Elective

TEM Elective

TMC Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Graphic Information Technology, BS

School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Polytechnic campus](#)



TSGITBS




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
GIT 135: Graphic Communications	3	C	
GIT 210: Creative Thinking and Design Visualization	3		
HSE 101: Introduction to Human Systems Engineering (SB) OR			
PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 170: Precalculus (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 250: Introduction to Commercial Print	3		<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS)	3		
TMC 110: Understanding the Enterprise	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete GIT 135 AND GIT 210 course(s).			
 Complete MAT 170 course(s).			



Complete Mathematics (MA) requirement.

Term hours subtotal: 13

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 215: Introduction to Web Authoring	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Literacy and Critical Inquiry (L) ( HSE 290 recommended)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:		15	

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 315: Digital Video Techniques	3		<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 3 credit hours must be upper-division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.</li> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
GIT 384: Commercial Photography	3		
TWC 451: Copyright and Intellectual Property in the Electronic Age	3		
Primary Focus Area	3		
Secondary Focus Area	3		
Term hours subtotal:		15	

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 303: Digital Publishing	3		<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 3 credit hours must be upper-division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
GIT 314: Multimedia Design, Planning and Storyboards	3		
Primary Focus Area	3		
Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 480: Senior Project	3		<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 3 credit hours must be upper-division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> </ul>
GIT 450: Digital Workflow in Graphic Industries	3		
Upper Division Primary Focus Area	3		
Secondary Focus Area	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 413: Professional Portfolio Design and Presentation	3		<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 3 credit hours must be</li> </ul>
GIT 432: Graphic Industry Business Practices	3		
Upper Division Primary Focus Area	3		



Upper Division Secondary Focus Area	3
GIT Upper Division Elective	3
Term hours subtotal:	15

upper-division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.

- Complete an in person or virtual **practice interview**.

- Students in the BS Graphic Information Technology program select a primary focus area consisting of 12 hours of focused courses (minimum six hours of upper-division). Focus areas are listed below.

Hide Course List(s)/Track Group(s)

Front-End Web Design and Development	Digital Design, Print, and Publishing	Motion Graphics/Visual Effects
GIT 337: Web Content Design	GIT 333: Printing Technology	GIT 211: Introduction to Video Game Art
GIT 340: Information Design and Usability	GIT 334: Image Editing and Manipulation	GIT 312: 3-D Computer Graphics Modeling and Representation (CS)
GIT 414: Web Site Design and Internet/Web Technologies	GIT 437: Color Reproduction Systems	GIT 334: Image Editing and Manipulation
GIT 417: Advanced Web Markup and Scripting	GIT 494: Special Topics	GIT 411: Computer Animation
GIT 418: Multimedia Authoring, Scripting and Production	TWC 411: Principles of Visual Communication (L)	GIT 494: Special Topics
GIT 435: Website and E-Commerce Strategies		
GIT 494: Special Topics		
Commercial Photography and Video		
GIT 295: Introduction to Technical Imaging		
GIT 334: Image Editing and Manipulation		
GIT 415: Advanced Digital Video Techniques		
GIT 490: Advanced Commercial Photography		
GIT 494: Special Topics		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map






### Journalism and Mass Communication, BA




School/College: [Walter Cronkite School of Journalism and Mass Comm](#)

Location:  
CSJMCBA

and  
Graphic  
Information  
Technology,  
BS

[Ira A. Fulton Schools of Engineering](#)  
TSGITBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 135: Graphic Communications	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 101: Grammar for Journalists	1	Y	
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 210: Creative Thinking and Design Visualization	3		<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b></li> <li>Select your <b>career interest community</b> and play <b>me3@ASU</b></li> </ul>
 JMC 201: News Reporting and Writing (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

❖ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Summer 2 32 - 39 Credit Hours	Hours	Minimum Grade	Notes
STP 226: Elements of Statistics (CS)	3		• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 3 39 - 55 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ GIT 230: Digital Illustration in Publishing	3	C	• Develop your <b>professional online presence</b>
❖ JMC 305: Multimedia Journalism	3	C	
JMC 351: Photojournalism I	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
❖ Complete First-Year Composition requirement.			
❖ Complete Mathematics (MA) requirement.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 4 55 - 71 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ GIT 215: Introduction to Web Authoring	3	C	For Focus Area Courses, students must select one of the following focus areas:  • Front-End Web Design and Development • Motion Graphics/Visual Effects • Digital Design, Print and Publishing • Commercial Photography and Video
❖ JMC 301: Intermediate Reporting and Writing (L)	3	C	
GIT 250: Introduction to Commercial Print	3		
Philosophy Course AND Humanities, Arts and Design (HU)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. AND Global Awareness (G)	4	C	All 12 hours of focus area courses must be taken from the same focus area.
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 71 - 89 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 303: Digital Publishing	3		• Develop your <b>skills</b>
GIT 384: Commercial Photography	3		
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
JMC 473: The Business and Future of Journalism	3	C	
GIT Focus Area Course	3		
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H) AND Cultural Diversity in the U.S. (C)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 6 89 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Journalism and Mass Communication Major Elective	3	C	• Explore an <b>internship</b>
JMC 414: Digital Graphic Design	3	C	
JMC 402: Mass Communication Law	3	C	
GIT Focus Area Course	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 7 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		• Gather <b>professional references</b>
GIT 314: Multimedia Design, Planning and Storyboards	3		
JMC 484: Internship	3	Y	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
GIT Focus Area Course	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 8 120 - 132 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 432: Graphic Industry Business Practices	3		
★ JMC 477: New Media Innovation and Entrepreneurship Lab	3	C	
POS 310: American National Government (SB)	3		
GIT Focus Area Course	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

- For Focus Area Courses, students must select one of the following focus areas:
  - Front-End Web Design and Development
  - Motion Graphics/Visual Effects
  - Digital Design, Print and Publishing
  - Commercial Photography and Video

All 12 hours of focus area courses must be taken from the same focus area.

Hide Course List(s)/Track Group(s)

Philosophy Course	U.S. History Course	Journalism & Mass Communication Upper Division Major Elective
HON 171: The Human Event (L or HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	JMC 451: Photojournalism II
PHI 101: Introduction to Philosophy (HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	JMC 455: Digital Media Entrepreneurship

PHI 103: Principles of Sound Reasoning (L or HU)	HST 334: African American History Since 1865 ((HU or SB) & C & H)	JMC 460: Advanced Online Media
PHI 105: Intro to Ethics (HU)	HST 337: American Indian History to 1900 ((HU or SB) & C & H)	MCO 425: Digital Media Literacy I
PHI 306: Applied Ethics (HU)	HST 338: American Indian History since 1900 ((HU or SB) & C & H)	
<b>GIT Focus Area: Front-End Web Design and Development</b>	<b>GIT Focus Area: Motion Graphics/Visual Effects</b>	<b>GIT Focus Area: Digital Design, Print and Publishing</b>
GIT 337: Web Content Design	GIT 211: Introduction to Video Game Art	GIT 333: Printing Technology
GIT 340: Information Design and Usability	GIT 312: 3-D Computer Graphics Modeling and Representation (CS)	GIT 334: Image Editing and Manipulation
GIT 402: New Media Internet Technologies	GIT 411: Computer Animation	GIT 437: Color Reproduction Systems
GIT 414: Web Site Design and Internet/Web Technologies	GIT 450: Digital Workflow in Graphic Industries	GIT 450: Digital Workflow in Graphic Industries
GIT 417: Advanced Web Markup and Scripting	GIT 494: Special Topics	GIT 494: Special Topics
GIT 418: Multimedia Authoring, Scripting and Production		TWC 411: Principles of Visual Communication (L)
GIT 435: Website and E-Commerce Strategies		
GIT 450: Digital Workflow in Graphic Industries		
GIT 494: Special Topics		
<b>GIT Focus Area: Commercial Photography and Video</b>		
GIT 295: Introduction to Technical Imaging		
GIT 315: Digital Video Techniques		
GIT 334: Image Editing and Manipulation		
GIT 415: Advanced Digital Video Techniques		
GIT 450: Digital Workflow in Graphic Industries		
GIT 490: Advanced Commercial Photography		
GIT 494: Special Topics		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 132

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Graphic Information Technology, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online, ASU Local@Los Angeles](#)

TSGITBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-ONL: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> </ul>
GIT 135: Graphic Communications	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a></li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
GIT 210: Creative Thinking and Design Visualization	3		
HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	9		
Term 2 - A 16 - 25 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Elective	3		
Term hours subtotal:	9		
Term 2 - B 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 250: Introduction to Commercial Print	3		
TMC 110: Understanding the Enterprise	3		



Term hours subtotal: 6

Term 3 - B 38 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS)

3

- Prep for success using the **Sophomore Guide**.

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

 Complete GIT 135 AND GIT 210 course(s).

 Complete MAT 170 course(s).

Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 45 - 54 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 GIT 215: Introduction to Web Authoring

3

C

Humanities, Arts and Design (HU) AND Global Awareness (G)

3

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3

Term hours subtotal: 9

Term 4 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
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Literacy and Critical Inquiry (L) ( HSE 290 recommended)

3

Elective

3

- Pursue an **undergraduate research experience**.
- Apply for **internships**.
- Attend **career fairs and events**.

Term hours subtotal: 6

Term 5 - A 60 - 69 Credit Hours	Hours	Minimum Grade	Notes
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GIT 384: Commercial Photography

3

TWC 451: Copyright and Intellectual Property in the Electronic Age

3

Primary Focus Area

3

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 3 credit hours must be at the upper-division level) which form a coherent theme.

Term hours subtotal: 9

Term 5 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 GIT 315: Digital Video Techniques

3

Secondary Focus Area

3

- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term hours subtotal: 6

Term 6 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 GIT 303: Digital Publishing

3

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)

3

- Research and prepare for **graduate school**.
- Apply for a **Fulton Schools 4+1 program**.
- Develop a **professional profile online**.

Term hours subtotal: 6

Term 6 - B 81 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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GIT 314: Multimedia Design, Planning and Storyboards	3
Primary Focus Area	3
Secondary Focus Area	3
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).	
Term hours subtotal:	9

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 3 credit hours must be at the upper-division level) which form a coherent theme.

Term 7 - A 90 - 99 Credit Hours	Hours	Minimum Grade	Notes
GIT 450: Digital Workflow in Graphic Industries	3		
Upper Division Primary Focus Area	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		

- Plan for success using the [Senior Guide](#).
- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 480: Senior Project	3		
Secondary Focus Area	3		
Term hours subtotal:	6		

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 3 credit hours must be at the upper-division level) which form a coherent theme.

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation	3		
Upper Division Primary Focus Area	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
GIT 432: Graphic Industry Business Practices	3		
Upper Division Secondary Focus Area	3		
GIT Upper Division Elective	3		
Term hours subtotal:	9		

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 3 credit hours must be at the upper-division level) which form a coherent theme.

- Students in the BS Graphic Information Technology program select a primary focus area consisting of 12 hours of focused courses (minimum of six upper-division). Focus areas are listed below.

Hide Course List(s)/Track Group(s)

Front-End Web Design and Development	Digital Design, Print, and Publishing	Motion Graphics/Visual Effects
GIT 337: Web Content Design	GIT 333: Printing Technology	GIT 211: Introduction to Video Game Art
GIT 340: Information Design and Usability	GIT 334: Image Editing and Manipulation	GIT 312: 3-D Computer Graphics Modeling and Representation (CS)
GIT 414: Web Site Design and Internet/Web Technologies	GIT 437: Color Reproduction Systems	GIT 334: Image Editing and Manipulation
GIT 417: Advanced Web Markup and Scripting	GIT 494: Special Topics	GIT 411: Computer Animation
	TWC 411: Principles of Visual Communication (L)	GIT 494: Special Topics

GIT 418: Multimedia Authoring, Scripting  
and Production

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GIT 435: Website and E-Commerce Strategies

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GIT 494: Special Topics

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map


### Graphic Information Technology (Full-Stack Web Development), BS

School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Polytechnic campus](#)

ESGITFSWBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students. LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
GIT 135: Graphic Communications	3	C	
GIT 210: Creative Thinking and Design Visualization	3		
MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
GIT 250: Introduction to Commercial Print	3		
HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
IFT 101: Information Technology Programming Logic	3	C	
TMC 110: Understanding the Enterprise	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete GIT 135 AND GIT 210 course(s).			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 215: Introduction to Web Authoring	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research experience</b>.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
IFT 200: Information Modeling, Storage and Retrieval	3	C	
Literacy and Critical Inquiry (L) ( HSE 290 recommended)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 337: Web Content Design	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
GIT 303: Digital Publishing	3		
GIT 315: Digital Video Techniques	3		
GIT 384: Commercial Photography	3		
IFT 210: Introduction to Java Technologies	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 314: Multimedia Design, Planning and Storyboards	3		<ul style="list-style-type: none"> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
GIT 414: Web Site Design and Internet/Web Technologies	3		
IFT 458: Middleware Programming and Database Security	3	C	
TWC 451: Copyright and Intellectual Property in the Electronic Age	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 450: Digital Workflow in Graphic Industries	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> </ul>
GIT 417: Advanced Web Markup and Scripting	3		
GIT 480: Senior Project	3		
Upper Division Full-Stack Elective	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 413: Professional Portfolio Design and Presentation	3		<ul style="list-style-type: none"> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
GIT 418: Multimedia Authoring, Scripting and Production	3		
GIT 432: Graphic Industry Business Practices	3		
Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Full-Stack Elective

GIT 340: Information Design and Usability

GIT 435: Website and E-Commerce Strategies

IFT 300: Intermediate Database Management Systems

IFT 365: Applied Programming Language for Information Technology

IFT 494: Appl Multi Tier End to End Application Development

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Graphic Information Technology (Full-Stack Web Development), BS



School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Online, ASU Local@Los Angeles](#)

ESGITFSWBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
GIT 135: Graphic Communications	3	C	
Term hours subtotal:	7		




Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
GIT 210: Creative Thinking and Design Visualization	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		



Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
Term hours subtotal:	9		

Term 2 - B 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GIT 250: Introduction to Commercial Print	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 32 - 42 Credit Hours	Hours	Minimum Grade	Notes
IFT 101: Information Technology Programming Logic	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
TMC 110: Understanding the Enterprise	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		

Term hours subtotal: 10



Term 3 - B 42 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HSE 230: Statistics for Human Systems Research I (CS)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Complete GIT 135 AND GIT 210 course(s).			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 48 - 54 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 215: Introduction to Web Authoring	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research</b> experience.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
IFT 200: Information Modeling, Storage and Retrieval	3	C	
Term hours subtotal:	6		

Term 4 - B 54 - 63 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L) ( HSE 290 recommended)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - A 63 - 72 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 337: Web Content Design	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
GIT 303: Digital Publishing	3		
IFT 210: Introduction to Java Technologies	3	C	
Term hours subtotal:	9		

Term 5 - B 72 - 78 Credit Hours	Hours	Minimum Grade	Notes
GIT 315: Digital Video Techniques	3		
GIT 384: Commercial Photography	3		
Term hours subtotal:	6		

Term 6 - A 78 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 314: Multimedia Design, Planning and Storyboards	3		<ul style="list-style-type: none"> <li>• Thinking about graduate school? Consider registering for a grad school test <b>prep course</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
GIT 414: Web Site Design and Internet/Web Technologies	3		
Term hours subtotal:	6		

Term 6 - B 84 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
IFT 458: Middleware Programming and Database Security	3	C	
TWC 451: Copyright and Intellectual Property in the Electronic Age	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 93 - 102 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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★	Hours	Grade	Notes
★ GIT 450: Digital Workflow in Graphic Industries	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> </ul>
GIT 417: Advanced Web Markup and Scripting	3		
GIT 480: Senior Project	3		
Term hours subtotal:	9		

Term 7 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Full-Stack Elective	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 8 - A 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
GIT 418: Multimedia Authoring, Scripting and Production	3		<ul style="list-style-type: none"> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
GIT 432: Graphic Industry Business Practices	3		
Term hours subtotal:	6		

Term 8 - B 114 - 120 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation	3		
Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

- Full-Stack Elective
- GIT 340: Information Design and Usability
- GIT 435: Website and E-Commerce Strategies
- IFT 300: Intermediate Database Management Systems
- IFT 365: Applied Programming Language for Information Technology
- IFT 494: Appl Multi Tier End to End Application Development

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum

**General University Requirements Legend**  
 General Studies Core Requirements:  

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map





### Graphic Information Technology (User Experience), BS

School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Polytechnic campus](#)

ESGITUEBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students. LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
GIT 135: Graphic Communications	3	C	
GIT 210: Creative Thinking and Design Visualization	3		
MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
GIT 250: Introduction to Commercial Print	3		
HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
TMC 110: Understanding the Enterprise	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete GIT 135 AND GIT 210 course(s).			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	13		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 215: Introduction to Web Authoring	3	C	<ul style="list-style-type: none"> <li>Pursue an <b>undergraduate research</b> experience.</li> <li>Apply for <b>internships</b>.</li> <li>Attend <b>career fairs and events</b>.</li> </ul>
 HSE 225: Human Systems Integration	3	C	
 HSE 290: Experimental Methods for Human Systems Research (L)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 337: Web Content Design	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
GIT 303: Digital Publishing	3		
GIT 315: Digital Video Techniques	3		
GIT 384: Commercial Photography	3		
TWC 451: Copyright and Intellectual Property in the Electronic Age	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 314: Multimedia Design, Planning and Storyboards	3		<ul style="list-style-type: none"> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep</b> course.</li> <li>Apply for a <b>Fulton Schools 4+1</b> program.</li> <li>Develop a <b>professional profile</b> online.</li> </ul>
GIT 340: Information Design and Usability	3		
GIT 414: Web Site Design and Internet/Web Technologies	3		
HSE 390: Qualitative Research Methods (L)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 450: Digital Workflow in Graphic Industries	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> </ul>
GIT 480: Senior Project	3		
HSE 325: Human-Computer Interaction	3	C	
TWC 301: Fundamentals of Writing for Digital Media (L)	3		
GIT Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 413: Professional Portfolio Design and Presentation	3		<ul style="list-style-type: none"> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
GIT 432: Graphic Industry Business Practices	3		
TWC 414: Visualizing Data and Information	3		
TWC 444: User Experience	3		
Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Graphic Information Technology (User Experience), BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online, ASU Local@Los Angeles](#)

ESGITUEBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students. LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
GIT 135: Graphic Communications	3		
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
GIT 210: Creative Thinking and Design Visualization	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		
Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 230: Digital Illustration in Publishing	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
Term hours subtotal:	9		
Term 2 - B 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GIT 250: Introduction to Commercial Print	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 32 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 215: Introduction to Web Authoring	3		

TMC 110: Understanding the Enterprise	3
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Term hours subtotal:	10

- Prep for success using the **Sophomore Guide**.

Term 3 - B 42 - 48 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
HSE 230: Statistics for Human Systems Research I (CS)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 48 - 54 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ HSE 225: Human Systems Integration	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

- Pursue an **undergraduate research** experience.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 4 - B 54 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ HSE 290: Experimental Methods for Human Systems Research (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 337: Web Content Design	3		
GIT 303: Digital Publishing	3		
TWC 451: Copyright and Intellectual Property in the Electronic Age	3		
Term hours subtotal:	9		

- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term 5 - B 69 - 75 Credit Hours	Hours	Minimum Grade	Notes
GIT 315: Digital Video Techniques	3		
GIT 384: Commercial Photography	3		
Term hours subtotal:	6		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 314: Multimedia Design, Planning and Storyboards	3		
GIT 340: Information Design and Usability	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	9		

- Thinking about graduate school? Consider registering for a grad school **test prep** course.
- Apply for a **Fulton Schools 4+1** program.
- Develop a **professional profile** online.

Term 6 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
GIT 414: Web Site Design and Internet/Web Technologies	3		
HSE 390: Qualitative Research Methods (L)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 6

Term 7 - A 90 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 450: Digital Workflow in Graphic Industries	3		<ul style="list-style-type: none"> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> </ul>
TWC 414: Visualizing Data and Information	3		
Elective	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
HSE 325: Human-Computer Interaction	3	C	
TWC 301: Fundamentals of Writing for Digital Media (L)	3		
Term hours subtotal:	6		

Term 8 - A 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 480: Senior Project	3		<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
GIT 413: Professional Portfolio Design and Presentation	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
GIT 432: Graphic Industry Business Practices	3		
TWC 444: User Experience	3		
GIT Elective	3		
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)



General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map



### Human Systems Engineering, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)



ESHSEBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 290: Experimental Methods for Human Systems Research (L)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
HSE 223: Applied Biology of Human Behavior (SB)	3	C	
HSE 224: Applied Social Science (SB)	3	C	
Technical Elective	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 225: Human Systems Integration	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR IFT 101: Information Technology Programming Logic	3		
Technical Elective	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 324: Applied Cognitive Science (SB)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
HSE 390: Qualitative Research Methods (L)	3	C	
HSE Elective	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 323: Perceptual Systems (SB)	3	C	<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
HSE 325: Human-Computer Interaction	3	C	
Upper Division HSE Elective	3		
Technical Elective	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 430: Statistics for Human Systems Research II (CS)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Complete 2 courses:	6		
Upper Division HSE Elective	3		
Upper Division Technical Elective	3		
Upper Division Elective OR HSE 484: Internship	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 477: Human Systems Engineering Capstone Experience	3	C	
Complete 2 courses:	6		
Upper Division HSE Elective	3		
Complete 2 courses:	6		
Elective	3		
Term hours subtotal:	15		

- Technical Electives should be chosen from the prefixes below. Three credit hours must be upper-division.

Hide Course List(s)/Track Group(s)

Technical Electives	HSE Elective
AME Elective	HSE 422: Human Factors in Sport
AMT Elective	HSE 423: Human Factors in Transportation
BIO Elective	HSE 424: Human Automation Interaction
BME Elective	HSE 425: Human Factors in Medical Systems
BMI Elective	HSE 426: Training and Expertise
CAP Elective	HSE 427: Designing for Learning
CIS Elective	HSE 428: Judgment and Decision Making
CSE Elective	HSE 429: Product Design and Evaluation
EEE Elective	HSE 484: Internship
EGR Elective	HSE 494: Special Topics
GIT Elective	HSE 499: Individualized Instruction
HSE Elective	
IEE Elective	
IFT Elective	
MFG Elective	
OMT Elective	
PSY Elective	
SER Elective	
TEM Elective	
TMC Elective	
TWC Elective	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map


### Human Systems Engineering, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online, ASU Local@Los Angeles](#)



ESHSEBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">Freshman Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - A 14 - 24 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	10		
Term 2 - B 24 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
FSE 100: Introduction to Engineering	2		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 30 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

 HSE 290: Experimental Methods for Human Systems Research (L)	3	C
HSE 223: Applied Biology of Human Behavior (SB)	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Term hours subtotal:	9	



- Prep for success using the [Sophomore Guide](#).
- Consult the [Resume, Presentation, and Resource Library](#) for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Term 3 - B 39 - 45 Credit Hours	Hours	Minimum Grade	Notes
HSE 224: Applied Social Science (SB)	3	C	
Technical Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 45 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 225: Human Systems Integration	3	C	
CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR IFT 101: Information Technology Programming Logic	3		
Term hours subtotal:	6		

- Pursue an [undergraduate research experience](#).
- Apply for [internships](#).
- Attend [career fairs and events](#).

Term 4 - B 51 - 60 Credit Hours	Hours	Minimum Grade	Notes
Technical Elective	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	9		


Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 324: Applied Cognitive Science (SB)	3	C	
HSE Elective	3		
Elective	3		
Term hours subtotal:	9		

- Plan for success using the [Junior Guide](#).
- Network at [student organization](#) competitions or professional societies.

Term 5 - B 69 - 75 Credit Hours	Hours	Minimum Grade	Notes
HSE 390: Qualitative Research Methods (L)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 323: Perceptual Systems (SB)	3	C	
Upper Division HSE Elective	3		
Technical Elective	3		
Term hours subtotal:	9		

- Research and prepare for [graduate school](#).
- Apply for an [engineering 4+1 program](#).
- Develop a [professional profile online](#).

Term 6 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
HSE 325: Human-Computer Interaction	3	C	

Upper Division Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSE 430: Statistics for Human Systems Research II (CS)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the Senior Guide.</li> <li>Use Handshake to apply for full-time positions.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
Upper Division HSE Elective	3		
Upper Division Technical Elective	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division HSE Elective	3		
Upper Division Elective OR HSE 484: Internship	3		
Term hours subtotal:	6		

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSE 477: Human Systems Engineering Capstone Experience	3	C	
Upper Division HSE Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division HSE Elective	3		
Elective	3		
Term hours subtotal:	6		

- Technical electives should be chosen from the prefixes below. Three credit hours must be upper-division.

Hide Course List(s)/Track Group(s)

Technical Electives	HSE Electives
BIO Elective	HSE 422: Human Factors in Sport
BMI Elective	HSE 423: Human Factors in Transportation
CIS Elective	HSE 424: Human Automation Interaction
CSE Elective	HSE 425: Human Factors in Medical Systems
EEE Elective	HSE 426: Training and Expertise
GIT Elective	HSE 427: Designing for Learning
HSE Elective	HSE 428: Judgment and Decision Making
IEE Elective	HSE 429: Product Design and Evaluation
IFT Elective	HSE 484: Internship



OMT Elective	HSE 494: Special Topics
PSY Elective	HSE 499: Individualized Instruction
SER Elective	
TEM Elective	
TMC Elective	
TWC Elective	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Human Systems Engineering (User Experience), BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

ESHSEUEBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 290: Experimental Methods for Human Systems Research (L)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
HSE 223: Applied Biology of Human Behavior (SB)	3	C	
HSE 224: Applied Social Science (SB)	3	C	
User Experience Concentration Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ HSE 225: Human Systems Integration	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR IFT 101: Information Technology Programming Logic	3		
User Experience Concentration Course	3	C	
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HSE 324: Applied Cognitive Science (SB)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
HSE 390: Qualitative Research Methods (L)	3	C	
Upper Division HSE Elective	3		
User Experience Concentration Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HSE 323: Perceptual Systems (SB)	3	C	<ul style="list-style-type: none"> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for an <b>engineering 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
HSE 325: Human-Computer Interaction	3	C	
Complete 2 courses: Upper Division HSE Elective	6		
User Experience Concentration Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HSE 430: Statistics for Human Systems Research II (CS)	3		<ul style="list-style-type: none"> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Apply for <b>full-time positions</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Complete 2 courses: Upper Division User Experience Concentration Course	6	C	
Upper Division Elective OR HSE 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HSE 477: Human Systems Engineering Capstone Experience	3	C	
Upper Division User Experience Concentration Course	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- Students must take seven classes from the User Experience Concentration list below, and three classes from the HSE Electives list below.

Hide Course List(s)/Track Group(s)

User Experience Concentration	HSE Elective
GIT 135: Graphic Communications	HSE 422: Human Factors in Sport
GIT 210: Creative Thinking and Design Visualization	HSE 423: Human Factors in Transportation
GIT 215: Introduction to Web Authoring	HSE 424: Human Automation Interaction
GIT 230: Digital Illustration in Publishing	HSE 425: Human Factors in Medical Systems
GIT 337: Web Content Design	HSE 426: Training and Expertise
GIT 340: Information Design and Usability	HSE 427: Designing for Learning
GIT 402: New Media Internet Technologies	HSE 428: Judgment and Decision Making
GIT 414: Web Site Design and Internet/Web Technologies	HSE 429: Product Design and Evaluation
GIT 417: Advanced Web Markup and Scripting	HSE 484: Internship
GIT 418: Multimedia Authoring, Scripting and Production	HSE 494: Special Topics
GIT 494: UI/UX Consulting	HSE 499: Individualized Instruction
HSE 427: Designing for Learning	
HSE 429: Product Design and Evaluation	
TWC 411: Principles of Visual Communication (L)	
TWC 414: Visualizing Data and Information	
TWC 421: Principles of Web Authoring (L)	
TWC 444: User Experience	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map



### Human Systems Engineering (User Experience), BS



School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Online, ASU Local@Los Angeles](#)

ESHSEUEBS



Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		



Term 2 - A 14 - 23 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
FSE 100: Introduction to Engineering	2		
Elective	1		
Term hours subtotal:	9		

Term 2 - B 23 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		



		Minimum	
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Term 3 - A 30 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 HSE 290: Experimental Methods for Human Systems Research (L)	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
HSE 223: Applied Biology of Human Behavior (SB)	3	C	
Term hours subtotal:	6		

Term 3 - B 36 - 45 Credit Hours	Hours	Minimum Grade	Notes
HSE 224: Applied Social Science (SB)	3	C	
User Experience Concentration Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 45 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 225: Human Systems Integration	3	C	<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research</a> experience.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs</a> and events.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR IFT 101: Information Technology Programming Logic	3		
Term hours subtotal:	6		

Term 4 - B 51 - 60 Credit Hours	Hours	Minimum Grade	Notes
User Experience Concentration Course	3	C	
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 324: Applied Cognitive Science (SB)	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
Upper Division HSE Elective	3		
User Experience Concentration Course	3	C	
Term hours subtotal:	9		

Term 5 - B 69 - 75 Credit Hours	Hours	Minimum Grade	Notes
HSE 390: Qualitative Research Methods (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 323: Perceptual Systems (SB)	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for an <a href="#">engineering 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
Upper Division HSE Elective	3		
User Experience Concentration Course	3	C	
Term hours subtotal:	9		

Term 6 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
HSE 325: Human-Computer Interaction	3	C	

Upper Division HSE Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSE 430: Statistics for Human Systems Research II (CS)	3		<ul style="list-style-type: none"> <li>Plan for success using the Senior Guide.</li> <li>Apply for full-time positions.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
Upper Division User Experience Concentration Course	3	C	
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division User Experience Concentration Course	3	C	
Upper Division Elective OR HSE 484: Internship	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSE 477: Human Systems Engineering Capstone Experience	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division User Experience Concentration Course	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	9		

- Students must take seven courses from the User Experience Concentration list below, and three courses from the HSE Electives list below.

Hide Course List(s)/Track Group(s)

User Experience Concentration	HSE Elective
GIT 135: Graphic Communications	HSE 422: Human Factors in Sport
GIT 210: Creative Thinking and Design Visualization	HSE 423: Human Factors in Transportation
GIT 215: Introduction to Web Authoring	HSE 424: Human Automation Interaction
GIT 230: Digital Illustration in Publishing	HSE 425: Human Factors in Medical Systems
GIT 337: Web Content Design	HSE 426: Training and Expertise
GIT 340: Information Design and Usability	HSE 427: Designing for Learning
GIT 402: New Media Internet Technologies	HSE 428: Judgment and Decision Making
	HSE 429: Product Design and Evaluation



GIT 414: Web Site Design and Internet/Web Technologies

GIT 417: Advanced Web Markup and Scripting

GIT 418: Multimedia Authoring, Scripting and Production

GIT 494: UI/UX Consulting

HSE 427: Designing for Learning

HSE 429: Product Design and Evaluation

TWC 411: Principles of Visual Communication (L)

TWC 414: Visualizing Data and Information

TWC 421: Principles of Web Authoring (L)

TWC 444: User Experience

HSE 484: Internship

HSE 494: Special Topics

HSE 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Industrial Engineering, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESIEEBSE

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASU 101-IEE: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Students with credit for CHM 113 must take CHM 116.</li> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
 IEE 210: Introduction to Industrial Engineering	3	C	

ECN 211: Macroeconomic Principles (SB)	3	C
MAT 267: Calculus for Engineers III (MA)	3	C
MSE 250: Structure and Properties of Materials	3	
❖ Complete MAT 266 OR MAT 271 course(s).		
❖ Complete First-Year Composition requirement.		
❖ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

Term 4 46 - 62 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
❖ MAT 275: Modern Differential Equations (MA)	3	C	
❖ PHY 121: University Physics I: Mechanics (SQ)	3	C	
❖ PHY 122: University Physics Laboratory I (SQ)	1	C	
IEE 305: Information Systems Engineering (CS)	3	C	
Engineering Science Elective	3-4		
Term hours subtotal:	16-17		

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 385: Engineering Statistics: Probability	3	C	<ul style="list-style-type: none"> <li>Plan for success using the Junior Guide.</li> <li>Network at student organization competitions or professional societies.</li> </ul>
IEE 300: Economic Analysis for Engineers	3	C	
MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3		
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3		
PHY 132: University Physics Laboratory II (SQ)	1		
Term hours subtotal:	16		

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 321: Professional Engineering Practice	1	C	<ul style="list-style-type: none"> <li>Research and prepare for graduate school.</li> <li>Apply for a Fulton Schools 4+1 program.</li> <li>Develop a professional profile online.</li> </ul>
★ IEE 376: Operations Research Deterministic Techniques/Applications	4	C	
IEE 369: Work Analysis and Design (L)	3	C	
IEE 4** Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 485: Systems Design Capstone I (L)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the Senior Guide.</li> <li>Use Handshake to apply for full-time positions.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
IEE 470: Stochastic Operations Research	3	C	
IEE 474: Quality Control	3	C	
IEE 475: Simulating Stochastic Systems (CS)	4	C	
IEE 4** Elective	3	C	

Term hours subtotal: 16

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 486: Systems Design Capstone II (L)	3	C	
IEE 461: Production Control	3	C	
Upper Division IEE Major Elective	3	C	
IEE 4** Elective	3	C	
Term hours subtotal:	12		

- Select a minimum of nine credit hours from one of the following Career Focus Study Areas. Students will need to submit a Career Focus Proposal Form prior to taking classes. Please note that some of these courses may require additional prerequisites. All course options should be discussed with an advisor, as classes have prerequisites and are sequential.
  - Visit the [CIDSE](#) website for additional information about Career Focus Study Area and Technical Elective courses.

Hide Course List(s)/Track Group(s)

Engineering Science Elective	IEE Major Electives
CEE 384: Numerical Methods for Engineers (CS)	CSE 310: Data Structures and Algorithms
CSE 120: Digital Design Fundamentals	CSE 330: Operating Systems
CSE 240: Introduction to Programming Languages	CSE 360: Introduction to Software Engineering
EEE 202: Circuits I	CSE 494: Data Mining
MAE 213: Mechanics of Materials	EEE 352: Properties of Electronic Materials
MAE 241: Introduction to Thermodynamics	EEE 435: Fundamentals of CMOS and MEMS
	EEE 436: Fundamentals of Solid-State Devices
	FSE 301: Entrepreneurship and Value Creation
	IEE 3** Elective
	IEE 4** Elective
	MAE 384: Advanced Mathematical Methods for Engineers (CS) or CEE 384: Numerical Methods for Engineers (CS)
	MAT 300: Mathematical Structures (L)
	STP 425: Stochastic Processes
	STP 429: Applied Regression (CS)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Informatics, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESCPIBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CPI 101: Introduction to Informatics (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar (ASU 101-CSE) required of all first-year students.</li> <li>If ENG 105 is taken, a three (3) credit hour elective must also be taken prior to graduation.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 CSE 110: Principles of Programming (CS)	3	C		
ASU 101-CSE: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 210: Brief Calculus (MA) OR MAT 265: Calculus for Engineers I (MA)	3	C		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3			
 Complete Mathematics (MA) requirement.				
Term hours subtotal:	16			
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
Lower Division Elective	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Complete MAT 210 OR MAT 251 OR MAT 265 OR MAT 270 course(s).				
Term hours subtotal:	14			
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CPI 220: Applied Data Structures and Algorithms	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 MAT 243: Discrete Mathematical Structures	3	C		
IEE 305: Information Systems Engineering (CS)	3	C		
Natural Science - Quantitative (SQ)	4			

Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

❗ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CPI 200: Mathematical Foundations of Informatics (MA)	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
❗ CPI 221: Advanced Object-Oriented Principles Using Java	3	C	
Informatics Focus Area	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CPI 360: Decision Making and Problem Solving	3	C	<ul style="list-style-type: none"> <li>Students who plan to pursue the Enterprise Informatics Focus Area will need to take IEE 380 for the CS requirement.</li> <li>Plan for success using the <a href="#">Junior Guide</a>.</li> <li>Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
CPI 310: Web-Based Information Management Systems	3	C	
CSE 301: Computing Ethics	1	C	
GIS 270: Statistics for Geography and Planning OR IEE 380: Probability and Statistics for Engineering Problem Solving (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
Complete 2 courses: Informatics Focus Area	6	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CPI 350: Evaluation of Informatics Systems	3	C	<ul style="list-style-type: none"> <li>Research and prepare for graduate school.</li> <li>Develop a <a href="#">professional profile online</a>.</li> </ul>
CSE 463: Introduction to Human Computer Interaction	3	C	
Complete 2 courses: Informatics Focus Area	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 485: Computer Science Capstone Project I (L)	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Complete 4 courses: Upper Division Informatics Elective	12	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 486: Computer Science Capstone Project II (L)	3	C	

Complete 3 courses:  
Upper Division Informatics Elective

9 C

Term hours subtotal: 12

- Informatics Focus Area and Informatics Electives: Select a focus area and complete at least 15 hours in that focus area. Select another 21 hours from the courses on these lists to complete the 36-hour requirement. Students will need to take 21 of the 36 total hours as upper-division (300 or 400-level courses). It is recommended that you work with your academic advisor when making course selections. Visit the [CIDSE website](#) for additional information about Informatics Electives or Focus Area Required Courses.

Hide Course List(s)/Track Group(s)

Informatics Focus Area (Data Science)	Informatics Focus Area (Digital Culture Studies)	Informatics Focus Area (Enterprise Informatics)
CSE 450: Design and Analysis of Algorithms	Recommended first course is AME 111.	Required courses:
CSE 467: Data and Information Security	AME 111: Introduction to Digital Culture (CS)	IEE 376: Operations Research Deterministic Techniques/Applications
CSE 471: Introduction to Artificial Intelligence	AME 112: Computational Thinking for Digital Culture	IEE 385: Engineering Statistics: Probability
CSE 475: Foundations of Machine Learning	AME 130: Prototyping Dreams (L)	IEE 470: Stochastic Operations Research
CSE 476: Introduction to Natural Language Processing	AME 220: Programming for the Web	MAT 266: Calculus for Engineers II (MA)
DAT 250: Data Science and Society	AME 230: Programming for the Media Arts (CS)	Select One:
DAT 300: Mathematical Tools for Data Science	AME 240: Introduction to Physical Computing	IEE 421: Urban Operations Research
DAT 301: Exploring Data in R and Python	AME 3** Elective	IEE 426: Operations Research in Healthcare
DAT 401: Statistical Modeling and Inference for Data Science	AME 4** Elective	IEE 461: Production Control
DAT 402: Statistical Learning	ART 116: Introduction to Digital Media	IEE 474: Quality Control
	ART 206: Digital Photography I	IEE 475: Simulating Stochastic Systems (CS)
	ART 217: Introduction to Computer Animation	IEE 477: System Dynamics and Thinking
	ART 218: 3D Tools	SCM 300: Global Supply Operations
	ART 308: 2D Digital Animation	
	ART 345: Visualization and Prototyping	
	ART 346: 3-D Computer Imaging and Animation (CS)	
	ART 348: Animation Motion Studies	
	ART 394: 2D Computer Animation for Non-Majors	
	ART 394: Digital Photography for Non-Majors	
	ART 424: Stop Motion Animation	
	ART 440: Experimental Video Art	
	ART 494: Documentary Video Art	
	ART 494: Visual Prototyping	
	CIS 300: Web Design and Development	



CPI 111: Game Development I (CS)

DCE 294:  
Hybrid Action: Physical Intelligence in Digital Culture

EDT 440: Creating and Marketing Mobile Apps

FMP 225: Introduction to Visual Effects

FMP 240: Introduction to Animation for Film

FMP 255: Media Authorship (CS)

FMP 294: Sound Design: From Hollywood to Independent Film

FMP 394: Non-Linear Editing for Film and Media

GIT 135: Graphic Communications

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GRA 294: InDesign

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

Informatics Focus Area (Game Informatics)	Informatics Focus Area (Geo-Informatics)	Additional Informatics Electives
<b>Required:</b>	<b>Required:</b>	Students may take additional coursework from their selected focus area or any course in another focus area as Informatics Electives in addition to the courses listed below:
CPI 111: Game Development I (CS)	GIS 205: Geographic Information Science I (CS)	
CPI 211: Game Development II	GIS 211: Geographic Information Science II (CS)	AME 394: Philosophies of Technology
CPI 311: Game Engine Development	GIS 311: Geographic Information Science III (CS)	BIO 355: Introduction to Computational Molecular Biology (CS)
CPI 321: Fundamentals of Game Art		BIO 411: Quantitative Methods in Conservation and Ecology
<b>Select one:</b>	<b>Select two:</b>	BMI 102: Introduction to Population Health Informatics
CPI 394: Game Design Fundamentals	ABS 485: GIS in Natural Resources	BMI 201: Introduction to Clinical Informatics
CPI 411: Graphics for Games	GCU 441: Economic Geography (SB)	CIS 308: Advanced Excel in Business
CPI 421: 3-D Modeling and Texturing	GCU 442: Geographical Analysis of Transportation (SB)	CIS 365: Business Database Systems Development
CPI 462: Design for Learning in Virtual Worlds	GIS 222: Programming Principles in GIS I	CPI 394: Special Topics
FMS 394: Video Games and Narrative	GIS 322: Programming Principles in GIS II	CPI 441: Gaming Capstone
SER 431: Advanced Graphics	GIS 341: Cartography and Georepresentation (CS)	
	GIS 461: Fundamentals of Spatial Optimization	

GIS 462: Location Analysis and Modeling	CPI 460: Intelligent Interactive Instructional Systems
GIS 470: Advanced Statistics for Geography and Planning (CS)	CPI 484: Internship
GIS 471: Spatial Statistics for Geography and Planning	CPI 494: Special Topics
GIS 494: Data Mining and Data-Driven Geography	CSE 220: Programming for Computer Engineering
	CSE 240: Introduction to Programming Languages
	CSE 259: Logic in Computer Science
	CSE 294: Algorithmic Problem Solving
	CSE 310: Data Structures and Algorithms
	CSE 335: Principles of Mobile Application Development
	CSE 360: Introduction to Software Engineering
	CSE 365: Information Assurance
	CSE 394: Special Topics
	CSE 408: Multimedia Information Systems
	CSE 412: Database Management
	CSE 434: Computer Networks
	CSE 445: Distributed Software Development
	CSE 446: Software Integration and Engineering
	CSE 460: Software Analysis and Design
	CSE 464: Software Quality Assurance and Testing
	CSE 470: Computer Graphics
	CSE 471: Introduction to Artificial Intelligence
	CSE 476: Introduction to Natural Language Processing
	CSE 477: Introduction to Computer-Aided Geometric Design
	CSE 494: Special Topics
	FSE 301: Entrepreneurship and Value Creation
	GIT 335: Computer Systems Technology
	GRA 294: Photoshop
	HSE 101: Introduction to Human Systems Engineering (SB)

IEE 385: Engineering Statistics: Probability

MAE 318: System Dynamics and Control I

MAE 417: System Dynamics and Control II

MAT 267: Calculus for Engineers III (MA)

MAT 275: Modern Differential Equations  
(MA)

MAT 300: Mathematical Structures (L)

MAT 421: Applied Computational Methods  
(CS)

SER 216: Software Enterprise: Personal  
Process and Quality

SER 316: Software Enterprise: Construction  
and Transition

SER 334: Operating Systems and System  
Programming

SOC 334: Technology and Society (L or SB)

STS 304: Science, Technology and Society  
(SB)

TEL 313: Technology in an Educational  
Setting

TEL 494: Introduction to Computer Science  
for Educators

TWC 414: Visualizing Data and Information

TWC 444: User Experience

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map



### Information Technology, BS




School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Polytechnic campus](#)



TSIFTBS



Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 IFT 101: Information Technology Programming Logic	3	C	
 IFT 103: Operating System Architecture	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
Term hours subtotal:	13		
Term 2 13 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 166: Introduction to Internet Networking	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IFT 200: Information Modeling, Storage and Retrieval	3	C	
IFT 210: Introduction to Java Technologies	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 28 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 202: Foundations of Information and Computer System Security	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
IFT 250: Introduction to UNIX Utilities	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 IFT 266: Network Information Communication Technology	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
HSE 230: Statistics for Human Systems Research I (CS)	3	C	
IFT 220: Managing Configurations and Active Directory	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 301: Web Programming for Human Computer Interface	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <b>Junior Guide</b>.</li> <li>Network at <b>student organization</b> competitions or professional societies.</li> </ul>
 IFT 381: Information System Security	3	C	
IFT 320: Managing the Cloud	3	C	
MAT 243: Discrete Mathematical Structures	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 300: Intermediate Database Management Systems	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.</li> <li>Research and prepare for <b>graduate school</b>.</li> <li>Apply for a <b>Fulton Schools 4+1 program</b>.</li> <li>Develop a <b>professional profile online</b>.</li> </ul>
IFT 310: Information Systems Project Development	3	C	
Complete 2 courses:			
Upper Division Primary Focus Area	6	C	
Secondary Focus Area	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 401: Information Technology Capstone Project I	3	C	<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.</li> <li>Plan for success using the <b>Senior Guide</b>.</li> <li>Use <b>Handshake</b> to apply for full-time positions.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
IFT 372: Wireless Fundamentals	3	C	
IFT 383: Shell and Script Programming with UNIX	3	C	
Primary Focus Area	3	C	
Secondary Focus Area	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 402: Information Technology Capstone Project II	3		<ul style="list-style-type: none"> <li>A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.</li> </ul>
HST 318: History of Engineering ((L or SB) & G)	3		
Upper Division Primary Focus Area	3	C	
Upper Division Secondary Focus Area	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

- Students choose one primary focus area (12 credit hours). Students must take primary focus area courses sequentially in order to meet the prerequisites of subsequent upper-division courses.

Hide Course List(s)/Track Group(s)

Networking Focus Area	Information Systems Focus Area	Security Focus Area
IFT 366: TCP/IP and Routing	IFT 360: Applications in Artificial Intelligence	IFT 380: Advanced Systems Configuration Management
IFT 420: Cloud Architecture for Information Technology	IFT 365: Applied Programming Language for Information Technology	IFT 422: Cloud Security and Operations for Information Technology
IFT 460: Managing Intelligent Devices in an Enterprise Environment	IFT 370: Mobile Computing and Applications for Information Technology	IFT 475: Security Analysis
IFT 466: Advanced Computer Networks for Information Technology	IFT 380: Advanced Systems Configuration Management	IFT 482: Network Forensics
IFT 488: Systems Administration of UNIX	IFT 410: Big Data Tools and Practices	IFT 483: Developing Security Policy
IFT 494: Wireless Architecture	IFT 421: Data in the Cloud for Information Technology	IFT 494: Cybersecurity Compliance
	IFT 458: Middleware Programming and Database Security	
	IFT 460: Managing Intelligent Devices in an Enterprise Environment	
	IFT 494: Appl Multi Tier End to End Application Development	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Information Technology, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online, ASU Local@Los Angeles](#)

TSIFTBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 IFT 101: Information Technology Programming Logic	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 103: Operating System Architecture	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
HSE 101: Introduction to Human Systems Engineering (SB)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IFT 166: Introduction to Internet Networking	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IFT 200: Information Modeling, Storage and Retrieval	3	C	
Term hours subtotal:	9		
Term 2 - B 22 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
IFT 210: Introduction to Java Technologies	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 28 - 37 Credit Hours	Hours	Minimum Grade	Notes
IFT 250: Introduction to UNIX Utilities	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
MAT 210: Brief Calculus (MA)	3	C	

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 9

Term 3 - B 37 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 IFT 202: Foundations of Information and Computer System Security	3	C	
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Natural Science - Quantitative (SQ)	4		
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 Complete Mathematics (MA) requirement.			
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Term hours subtotal: 7

Term 4 - A 44 - 53 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 IFT 266: Network Information Communication Technology	3	C	
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HSE 230: Statistics for Human Systems Research I (CS)	3	C	
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Social-Behavioral Sciences (SB)	3		
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Term hours subtotal: 9

- Pursue an **undergraduate research** experience.
- Apply for **internships**.
- Attend **career fairs and events**.

Term 4 - B 53 - 60 Credit Hours	Hours	Minimum Grade	Notes
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IFT 220: Managing Configurations and Active Directory	3	C	
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
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Term hours subtotal: 7

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 IFT 301: Web Programming for Human Computer Interface	3	C	
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 IFT 381: Information System Security	3	C	
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Literacy and Critical Inquiry (L)	3		
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Term hours subtotal: 9

- Plan for success using the **Junior Guide**.
- Network at **student organization** competitions or professional societies.

Term 5 - B 69 - 75 Credit Hours	Hours	Minimum Grade	Notes
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IFT 320: Managing the Cloud	3	C	
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MAT 243: Discrete Mathematical Structures	3		
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Term hours subtotal: 6


Term 6 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 IFT 300: Intermediate Database Management Systems	3	C	
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Upper Division Primary Focus Area	3	C	
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Term hours subtotal: 6

- Research and prepare for **graduate school**.
- Apply for a **Fulton Schools 4+1 program**.
- Develop a **professional profile online**.

Term 6 - B 81 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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IFT 310: Information Systems Project Development	3	C	
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Upper Division Primary Focus Area	3	C	
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 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
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Secondary Focus Area	3		
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- A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.

Term hours subtotal: 9

Term 7 - A 90 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IFT 401: Information Technology Capstone Project I	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
IFT 372: Wireless Fundamentals	3	C	
Secondary Focus Area	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
IFT 383: Shell and Script Programming with UNIX	3	C	
Primary Focus Area	3	C	
Term hours subtotal:	6		

Term 8 - A 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IFT 402: Information Technology Capstone Project II	3		
HST 318: History of Engineering (L or SB) & G)	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Primary Focus Area	3	C	<ul style="list-style-type: none"> <li>• A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.</li> </ul>
Upper Division Secondary Focus Area	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		

- Students choose one primary focus area (12 hours). Students must take primary focus area courses sequentially in order to meet the prerequisites of subsequent upper-division courses.

Hide Course List(s)/Track Group(s)

Networking Focus Area	Information Systems Focus Area	Security Focus Area
IFT 366: TCP/IP and Routing	IFT 360: Applications in Artificial Intelligence	IFT 380: Advanced Systems Configuration Management
IFT 420: Cloud Architecture for Information Technology	IFT 365: Applied Programming Language for Information Technology	IFT 422: Cloud Security and Operations for Information Technology
IFT 460: Managing Intelligent Devices in an Enterprise Environment	IFT 370: Mobile Computing and Applications for Information Technology	IFT 475: Security Analysis
IFT 466: Advanced Computer Networks for Information Technology	IFT 380: Advanced Systems Configuration Management	IFT 482: Network Forensics
IFT 488: Systems Administration of UNIX	IFT 410: Big Data Tools and Practices	IFT 483: Developing Security Policy
IFT 494: Wireless Architecture		IFT 494: Cybersecurity Compliance

IFT 421: Data in the Cloud for Information  
Technology

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IFT 458: Middleware Programming and  
Database Security

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IFT 460: Managing Intelligent Devices in an  
Enterprise Environment

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IFT 494: Appl Multi Tier End to End  
Application Development

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Manufacturing Engineering, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSMEGRBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete MAT 265 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
EGR 216: Engineering Electrical Fundamentals	3	C	
EGR 218: Materials and Manufacturing Processes	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	

❖ Complete MAT 266 course(s).

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ EGR 202: Use-Inspired Design Project II	3	C	<ul style="list-style-type: none"><li>• Pursue an undergraduate research experience.</li><li>• Attend career fairs and events.</li></ul>
❖ EGR 280: Engineering Statistics (CS)	3	C	
EGR 217: Engineering Mechanics Fundamentals	3	C	
EGR 219: Computational Modeling of Engineering Systems	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
❖ Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).			
❖ Complete MAT 267 course(s).			
Term hours subtotal:	15		

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MFG 308: Manufacturing System Project I	3	C	<ul style="list-style-type: none"><li>• Plan for success using the Junior Guide.</li><li>• Network at student organization competitions or professional societies.</li></ul>
★ MFG 382: Modeling of Manufacturing Systems I	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
MFG 381: Manufacturing Processes and Validation Lab	3	C	
MFG 383: Communications in a Production Environment	3		
Term hours subtotal:	16		

Term 6 79 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MFG 318: Manufacturing Systems Project II	3	C	<ul style="list-style-type: none"><li>• Research and prepare for graduate school.</li><li>• Apply for an engineering 4+1 program.</li><li>• Develop a professional profile online.</li><li>• Begin looking for internships.</li></ul>
MAT 343: Applied Linear Algebra	3		
MFG 385: Design for Manufacturing	3		
MFG 387: Industrial Automation	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	12		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3	C	<ul style="list-style-type: none"><li>• Plan for success using the Senior Guide.</li><li>• Use Handshake to apply for full-time positions.</li><li>• Complete an in person or virtual practice interview.</li></ul>
★ MFG 482: Materials Science in Manufacturing	3		
HST 318: History of Engineering ((L or SB) & G)	3		
Upper Division Technical Elective	2		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		
MFG 461: Engineering Economics	3		
MFG 480: Advanced Statistical Approaches for Manufacturing	3		

Upper Division Technical Elective	3
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3
Term hours subtotal:	15

Hide Course List(s)/Track Group(s)

Technical Electives
EGR 370: Welding Survey
EGR 380: Advanced Computer Aided Design and Drafting (CADD) and Solid Modeling
MFG 472: Additive Manufacturing
MFG 485: Engineering Internship
MFG 486: CNC Computer Programming
MFG 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map








### Materials Science and Engineering, BSE


School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESMSEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>FSE 100 is required for first-year students and should be completed in the first semester. Non-first year students: see advisor for petitioning replacement electives.</li> <li>If students take ENG 105, a 3 credit hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-MSE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MSE 250: Structure and Properties of Materials	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete CHM 114 OR CHM 116 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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⚠ MAT 267: Calculus for Engineers III (MA)	3	C
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
⚠ PHY 132: University Physics Laboratory II (SQ)	1	C
MSE 215: Materials Synthesis	3	
Math or Science Elective	3-4	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
⚠ Complete MSE 250 course(s).		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16-17	

- For additional information about Math or Science Electives, please go to: [Math or Science Electives](#).
- Prep for success using the [Sophomore Guide](#).

Term 4 48 - 64 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MAT 275: Modern Differential Equations (MA)	3	C	
⚠ MAT 343: Applied Linear Algebra	3	C	
⚠ MSE 211: Introduction to Mechanics of Materials	3	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
MSE 212: Microstructure and Properties Lab	1	C	
Advanced Science Elective	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

- For additional information about Advanced Science Electives options, please go to: [Advanced Science Electives](#).
- Pursue an [undergraduate research experience](#).
- Apply for [internships](#).
- Attend [career fairs and events](#).

Term 5 64 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MSE 355: Structure and Defects	3	C	
MSE 330: Thermodynamics of Materials	3		
MSE 356: Thin Film and Microelectronic Devices Lab	1		
MSE 415: Mathematical and Computer Methods in Materials (CS)	3		
MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

- Plan for success using the [Junior Guide](#).
- Network at [student organization](#) competitions or professional societies.

Term 6 80 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MSE 335: Materials Kinetics	3		
MSE 420: Advanced Metallurgical Alloys and Processes	3		
MSE 450: Introduction to Materials Characterization	3		
MSE 451: Nanomaterials and Electronics Characterization Lab	1		
MSE 458: Electronic, Magnetic, and Optical Properties	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	13		

- For additional information about Materials Elective options, please go to: [Materials Elective](#).
- Research and prepare for [graduate school](#).
- Apply for an [engineering 4+1 program](#).
- Develop a [professional profile online](#).

Term 7 93 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MSE 489: Capstone Design Project I (L)	1		

MSE 440: Mechanical Behavior of Materials	3
MSE 482: Materials Engineering Design (L)	3
<i>Complete 2 courses:</i>	
Upper Division Materials Elective	6
Term hours subtotal:	13

- For additional information about Materials Elective options, please go to: [Materials Elective](#).
- Plan for success using the [Senior Guide](#).
- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MSE 490: Capstone Design Project II (L)	2		<ul style="list-style-type: none"> <li>• For additional information about Advanced Science Electives and Technical Electives, please go to: <a href="#">Advanced Science Electives and Technical Electives</a>.</li> </ul>
Advanced Science Elective	3		
<i>Complete 2 courses:</i>			
Technical Elective	6		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

- For more information about course options for Math or Science Electives, Materials Electives, Advanced Science Electives, or Technical Electives, please go to: [MSE Elective Course Options](#).

#### Hide Course List(s)/Track Group(s)

Math or Science Elective	Advanced Science Elective	Materials Elective
Advanced Science Elective	ABS 225: Soils (SQ)	Please choose two courses from the following options:
AST 111: Introduction to Solar Systems Astronomy (SQ)	ABS 350: Applied Statistics (CS)	BME 318: Biomaterials
AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ)	AST 321: Introduction to Planetary and Stellar Astrophysics	CHE 468: Polymer Principles and Processing
BIO 130: Introduction to Environmental Science (SQ)	AST 322: Introduction to Galactic and Extragalactic Astrophysics	MSE 470: Polymers and Composites
BIO 181: General Biology I (SQ)	AST 421: Astrophysics I	MSE 471: Introduction to Ceramics
BIO 182: General Biology II (SG)	BCH 341: Physical Chemistry with a Biological Focus	MSE 494: Polymer Synthesis, Characterization, & Processing
BIO 201: Human Anatomy and Physiology I (SG)	BCH 361: Advanced Principles of Biochemistry	
CHM 113: General Chemistry I (SQ)	BIO 201: Human Anatomy and Physiology I (SG)	
CHM 231: Elementary Organic Chemistry (SQ)	BIO 320: Fundamentals of Ecology	
CHM 233: General Organic Chemistry I	CHM 231: Elementary Organic Chemistry (SQ)	
GLG 101: Introduction to Geology I (Physical) (SQ)	CHM 233: General Organic Chemistry I	
MAT 243: Discrete Mathematical Structures	CHM 234: General Organic Chemistry II	
PHY 201: Mathematical Methods in Physics I (CS)	CHM 302: Environmental Chemistry	
	CHM 325: Analytical Chemistry	

CHM 341: Elementary Physical Chemistry

CHM 345: Physical Chemistry I

CHM 346: Physical Chemistry II

CHM 433: Advanced Organic Chemistry I

ENV 410: Soil Science

GLG 404: Fundamentals of Planetary Geology

GLG 418: Geophysics

PHY 201: Mathematical Methods in Physics I  
(CS)

PHY 334: Advanced Laboratory I (L)

PHY 361: Introductory Modern Physics

#### Technical Electives

Advanced Science Elective

CEE 294: AutoCAD Civil 3-D

CEE 353: Civil Engineering Materials

CHE 211: Introduction to Chemical Processing

CIS 310: Business Data Visualization

EEE 202: Circuits I

EEE 241: Fundamentals of Electromagnetics

EEE 352: Properties of Electronic Materials

EEE 435: Fundamentals of CMOS and MEMS

EEE 436: Fundamentals of Solid-State  
Devices

EEE 460: Nuclear Power Engineering

EEE 465: Photovoltaic Energy Conversion

EGR 219: Computational Modeling of  
Engineering Systems

FSE 301: Entrepreneurship and Value Creation

FSE 404: EPICS Gold: EPICS in Action

IEE 300: Economic Analysis for Engineers

IEE 369: Work Analysis and Design (L)

IEE 385: Engineering Statistics: Probability

IEE 437: Human Factors Engineering

IEE 474: Quality Control

MAT 300: Mathematical Structures (L)

MEE 322: Structural Mechanics

MEE 342: Principles of Mechanical Design

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PUP 442: Environmental Planning

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SES 311: Essentials of Astrobiology:  
Exploration for Life in the Universe

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By approval only:

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MSE 484: Internship

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MSE 492: Honors Directed Study

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MSE 493: Honors Thesis (L)

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MSE 499: Individualized Instruction

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\*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor.

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map







### Mechanical Engineering, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESMAEMBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>FSE 100 is required for first-year students and should be completed the first semester. Non-first year students: see advisor for petitioning replacement electives.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-MEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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⚠ MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C
⚠ MAT 267: Calculus for Engineers III (MA)	3	C
⚠ MAT 275: Modern Differential Equations (MA)	3	C
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
⚠ Complete CHM 114 OR CHM 116 course(s).		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Prep for success using the [Sophomore Guide](#).

Term 4 46 - 62 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
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⚠ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C
⚠ MAE 213: Mechanics of Materials	3	C
⚠ MAE 241: Introduction to Thermodynamics	3	C
EEE 202: Circuits I	4	C
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C
Term hours subtotal:	16	

- Pursue an [undergraduate research experience](#).
- Apply for [internships](#).
- Attend [career fairs and events](#).

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MEE 322: Structural Mechanics	3	C
★ MEE 324: Structural Mechanics Laboratory	1	C
MAE 242: Introduction to Fluid Mechanics	3	C
MAE 301: Applied Experimental Statistics	3	C
MSE 250: Structure and Properties of Materials	3	C
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
Term hours subtotal:	16	

- Plan for success using the [Junior Guide](#).
- Network at [student organization competitions](#) or [professional societies](#).

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MEE 342: Principles of Mechanical Design	3	C
MAE 318: System Dynamics and Control I	4	C
MAE 400: Engineering Profession (L)	3	C
MEE 323: Computer-Aided Engineering II	2	C
MEE 340: Heat Transfer	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Research and prepare for [graduate school](#).
- Apply for an [engineering 4+1 program](#).
- Develop a [professional profile online](#).

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MEE 488: Mechanical Engineering Design I	3	C
MAE 417: System Dynamics and Control II	3	C
MEE 491: Experimental Mechanical Engineering (L)	3	C
Upper Division Technical Elective	3	C
Humanities, Arts and Design (HU)	3	

- For additional information about Upper Division Technical Electives, please go to: [Upper Division Technical Electives](#).
- Plan for success using the [Senior Guide](#).
- Use [Handshake](#) to apply for full-time positions.

Term hours subtotal: 15

- Complete an in person or virtual [practice interview](#).

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 489: Mechanical Engineering Design II	3	C	
<i>Complete 2 courses:</i>			
Upper Division Technical Elective	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

- For additional information about Upper Division Technical Electives, please go to: [Upper Division Technical Electives](#).

- For additional information about Upper Division Technical Electives please go to: [Upper Division Technical Electives](#).

Hide Course List(s)/Track Group(s)

Upper Division Technical Electives	Upper Division Technical Electives continued
AEE OR MAE OR MEE Upper Division Elective	MAT 300: Mathematical Structures (L)
AST 321: Introduction to Planetary and Stellar Astrophysics	MAT 310: Introduction to Geometry
AST 322: Introduction to Galactic and Extragalactic Astrophysics	MAT 371: Advanced Calculus I
BME 300: Bioengineering Product Design	MAT 420: Scientific Computing
BME 316: Biomechanics for Biomedical Engineers	MAT 421: Applied Computational Methods (CS)
BME 318: Biomaterials	MAT 423: Numerical Analysis I (CS)
BME 350: Signals and Systems for Bioengineers	MAT 425: Numerical Analysis II (CS)
BME 494: Bioenergy and Microbial Biotechnology	MAT 451: Mathematical Modeling (CS)
CEE 361: Introduction to Environmental Engineering	MAT 461: Applied Complex Analysis
CEE 372: Transportation Engineering	MAT 462: Applied Partial Differential Equations
CEE 440: Hydrology	MSE 330: Thermodynamics of Materials
CEE 494: Energy Efficient Buildings and Systems	MSE 355: Structure and Defects
CEE 494: Sustainable Energy and Material Use	MSE 440: Mechanical Behavior of Materials
CEE 494: Sustainable Energy Technologies	MSE 450: Introduction to Materials Characterization
CHE 468: Polymer Principles and Processing	MSE 466: Electrochemical Energy Storage and Conversion
CHE 473: Fuel Cells and Biofuel Cells	MSE 460: Nanomaterials in Energy Production and Storage
	MSE 476: Growth and Processing of Semiconductors
	MSE 494: Bioinspired Materials and Biomaterials

CHE 478: Biomass Energy Conversion Technology	MSE 494: Failure Analysis of Metallic Materials
CHE 494: Nanobiotechnology	MSE 494: Intro to FEA for Matl Design and Characterization
CHE 494: Six Sigma Methodology/Engineering Experimentation	MSE 494: Manufacturing Processes for Structural Materials
CHM 302: Environmental Chemistry	PHY 310: Classical Particles, Fields, and Matter I
CHM 325: Analytical Chemistry	PHY 361: Introductory Modern Physics
EEE 304: Signals and Systems II	SES 311: Essentials of Astrobiology: Exploration for Life in the Universe
EEE 333: Hardware Design Languages and Programmable Logic	SES 350: Engineering Systems and Experimental Problem Solving
EEE 334: Circuits II	SES 407: Space Works II: Model, Fabricate and Test
EEE 350: Random Signal Analysis	SES 494: Modeling and Analysis of Space Thermal Systems
EEE 360: Energy Systems and Power Electronics	By approval only:
EEE 407: Digital Signal Processing	MAE 484: Internship
EEE 434: Quantum Mechanics for Engineers	MAE 492: Honors Directed Study
EEE 460: Nuclear Power Engineering	MAE 493: Honors Thesis (L)
EEE 463: Electrical Power Plants	MAE 498: Pro-Seminar or MAE 499: Individualized Instruction
EEE 480: Feedback Systems	*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.
EEE 481: Computer-Controlled Systems	Students may only apply ONE (1) course from the list below:
EEE 498: Science and Technology of Solar Cell Fabrication	CEE 400: Earth Systems Engineering and Management ((L or HU) & H)
EGR 433: Transforms and Systems Modeling	EGR 317: Humanitarian Engineering Project II
EGR 455: Robotic Systems I	FSE 301: Entrepreneurship and Value Creation
EGR 456: Robotic Systems II	FSE 394: Engineering in Global Context
EGR 494: Engineering in Semiconductors and Microelectronics	IEE 300: Economic Analysis for Engineers
EVE 302: Environmental Engineering Fundamentals: Physical and Chemical Processes	IEE 431: Engineering Administration (L)
GLG 418: Geophysics	IEE 437: Human Factors Engineering
IEE 305: Information Systems Engineering (CS)	MAE 394: Aeronautics in England
IEE 376: Operations Research Deterministic Techniques/Applications	



**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Mechanical Engineering, BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Online, ASU Local@Los Angeles](#)

ESMAEMBSE

Term 1 - A 0 - 6 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASU 101-MEE: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>FSE 100 is required for first-year students and should be completed the first semester. Non-first year students: see advisor for petitioning replacement electives.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 1 - B 6 - 12 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		
Term 2 - A 12 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

⚠ MAT 242: Elementary Linear Algebra	2	C
⚠ PHY 121: University Physics I: Mechanics (SQ)	3	C
⚠ PHY 122: University Physics Laboratory I (SQ)	1	C
MAE 215: Introduction to Programming in MATLAB	1	C
⚠ Complete CHM 114 OR CHM 116 course(s).		
⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	7	

- Create a [Handshake](#) profile.
- Get involved with EPICS, the Generator Labs, and the [Fulton Start-Up Center](#).

Term 3 - A 26 - 36 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	<ul style="list-style-type: none"> <li>• MAE courses listed here are only offered in Session C (15 weeks long).</li> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
⚠ MAT 267: Calculus for Engineers III (MA)	3	C	
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	10		

Term 3 - B 36 - 40 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAT 275: Modern Differential Equations (MA)	3	C	
MAE 214: Computer-Aided Engineering I	1	C	
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	4		

Term 4 - A 40 - 52 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• MAE courses listed here are only offered in Session C (15 weeks long).</li> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
⚠ MAE 213: Mechanics of Materials	3	C	
⚠ MAE 241: Introduction to Thermodynamics	3	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	12		

Term 4 - B 52 - 56 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
EEE 202: Circuits I	4	C	
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	4		

Term 5 - A 56 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MEE 322: Structural Mechanics	3	C	<ul style="list-style-type: none"> <li>• MAE, MEE and MSE courses listed here are only offered in Session C (15 weeks long).</li> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
★ MEE 324: Structural Mechanics Laboratory	1	C	
MAE 242: Introduction to Fluid Mechanics	3	C	
MAE 301: Applied Experimental Statistics	3	C	

MSE 250: Structure and Properties of Materials 3 C

Term hours subtotal: 13

**Term 5 - B 69 - 72 Credit Hours**

Hours

Minimum Grade

Notes

Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

Term hours subtotal: 3

**Term 6 - A 72 - 87 Credit Hours Necessary course signified by ★**

Hours

Minimum Grade

Notes

★ MEE 342: Principles of Mechanical Design 3 C

MAE 318: System Dynamics and Control I 4 C

MAE 400: Engineering Profession (L) 3 C

MEE 323: Computer-Aided Engineering II 2 C

MEE 340: Heat Transfer 3 C

Term hours subtotal: 15

• MAE and MEE courses listed here are only offered in Session C (15 weeks long).

**Term 6 - B 87 - 87 Credit Hours Necessary course signified by ★**

Hours

Minimum Grade

Notes

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 0

**Term 7 - A 87 - 96 Credit Hours Necessary course signified by ★**

Hours

Minimum Grade

Notes

★ MEE 488: Mechanical Engineering Design I 3 C

MAE 417: System Dynamics and Control II 3 C

MEE 491: Experimental Mechanical Engineering (L) 3 C

Term hours subtotal: 9

• MAE and MEE courses listed here are only offered in Session C (15 weeks long).

**Term 7 - B 96 - 102 Credit Hours**

Hours

Minimum Grade

Notes

Upper Division Technical Elective 3 C

Humanities, Arts and Design (HU) 3

Term hours subtotal: 6

**Term 8 - A 102 - 111 Credit Hours Necessary course signified by ★**

Hours

Minimum Grade

Notes

★ MEE 489: Mechanical Engineering Design II 3 C

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Social-Behavioral Sciences (SB) AND Global Awareness (G) 3

Term hours subtotal: 9

• MEE 489 is only offered in Session C (15 weeks long).

**Term 8 - B 111 - 120 Credit Hours**

Hours

Minimum Grade

Notes

Complete 2 courses: Upper Division Technical Elective 6 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Term hours subtotal: 9

- For additional information about Upper Division Technical Electives please go to: [Upper Division Technical Electives](#).

Hide Course List(s)/Track Group(s)

Upper Division Technical Electives	Upper Division Technical Electives continued
AEE OR MAE OR MEE Upper Division Elective	MAT 421: Applied Computational Methods (CS)
AST 321: Introduction to Planetary and Stellar Astrophysics	PHY 310: Classical Particles, Fields, and Matter I
AST 322: Introduction to Galactic and Extragalactic Astrophysics	PHY 361: Introductory Modern Physics
CHM 325: Analytical Chemistry	SES 350: Engineering Systems and Experimental Problem Solving
EEE 304: Signals and Systems II	SES 407: Space Works II: Model, Fabricate and Test
EEE 333: Hardware Design Languages and Programmable Logic	By approval only:
EEE 334: Circuits II	MAE 492: Honors Directed Study
EEE 350: Random Signal Analysis	MAE 493: Honors Thesis (L)
EEE 360: Energy Systems and Power Electronics	MAE 499: Individualized Instruction
EEE 407: Digital Signal Processing	*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first.
EEE 434: Quantum Mechanics for Engineers	Students may only apply ONE (1) course from the list below:
EEE 460: Nuclear Power Engineering	FSE 301: Entrepreneurship and Value Creation
EEE 463: Electrical Power Plants	IEE 300: Economic Analysis for Engineers
EEE 480: Feedback Systems	IEE 431: Engineering Administration (L)
EEE 481: Computer-Controlled Systems	
EEE 498: Science and Technology of Solar Cell Fabrication	
EGR 494: Engineering in Semiconductors and Microelectronics	
IEE 305: Information Systems Engineering (CS)	
IEE 376: Operations Research Deterministic Techniques/Applications	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Mechanical Engineering (Computational Mechanics), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESMAECBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>FSE 100 is required for first-year students and should be completed the first semester. Non-first year students: see advisor for petitioning replacement electives.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-MEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

⚠ MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C
⚠ MAT 267: Calculus for Engineers III (MA)	3	C
⚠ MAT 275: Modern Differential Equations (MA)	3	C
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
⚠ Complete CHM 114 OR CHM 116 course(s).		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Prep for success using the [Sophomore Guide](#).

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
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⚠ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C
⚠ MAE 213: Mechanics of Materials	3	C
⚠ MAE 241: Introduction to Thermodynamics	3	C
EEE 202: Circuits I	4	C
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C
Term hours subtotal:	16	

- Pursue an [undergraduate research experience](#).
- Apply for [internships](#).
- Attend [career fairs and events](#).

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MEE 322: Structural Mechanics	3	C
★ MEE 324: Structural Mechanics Laboratory	1	C
CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS)	3	C
MAE 242: Introduction to Fluid Mechanics	3	C
MAE 301: Applied Experimental Statistics	3	C
MSE 250: Structure and Properties of Materials	3	C
Term hours subtotal:	16	

- Plan for success using the [Junior Guide](#).
- Network at [student organization competitions](#) or [professional societies](#).

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MEE 342: Principles of Mechanical Design	3	C
MAE 318: System Dynamics and Control I	4	C
MEE 323: Computer-Aided Engineering II	2	C
MEE 340: Heat Transfer	3	C
PHI 103: Principles of Sound Reasoning (L or HU)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Research and prepare for [graduate school](#)
- Apply for an [engineering 4+1 program](#).
- Develop a [professional profile online](#).

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MEE 488: Mechanical Engineering Design I	3	C
MAE 400: Engineering Profession (L)	3	C
Complete 2 courses:		
Upper Division Computational Mechanics Technical Elective	6	C

- For additional information regarding Upper Division Computational Mechanics Technical Electives, please go to: [Upper Division Computational Mechanics Technical Electives](#).
- Plan for success using the [Senior Guide](#).



Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3
Term hours subtotal:	15

- Use [Handshake](#) to apply for full-time positions.
- Complete an in person or virtual [practice interview](#).

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 489: Mechanical Engineering Design II	3	C	
AEE 471: Computational Fluid Dynamics OR MAE 404: Finite Elements in Engineering OR MAE 460: Applied Computational Fluid Dynamics	3	C	
MEE 491: Experimental Mechanical Engineering (L)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

- For additional information about Upper Division Computational Mechanics Technical Electives, please go to: [Upper Division Computational Mechanics Technical Electives](#).

Hide Course List(s)/Track Group(s)

Computational Mechanics Technical Electives
AEE 360: Aerodynamics (L)
AEE 471: Computational Fluid Dynamics
CSE 205: Object-Oriented Programming and Data Structures (CS)
IEE 305: Information Systems Engineering (CS)
IEE 376: Operations Research Deterministic Techniques/Applications
MAE 404: Finite Elements in Engineering
MAE 460: Applied Computational Fluid Dynamics
MAE 501: Linear Algebra in Engineering
MAE 502: Partial Differential Equations in Engineering
MAT 420: Scientific Computing
MAT 421: Applied Computational Methods (CS)
MAT 423: Numerical Analysis I (CS)
MAT 425: Numerical Analysis II (CS)
MAT 451: Mathematical Modeling (CS)
MAT 461: Applied Complex Analysis

MSE 494: Intro to FEA for Matl Design and Characterization

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By approval only:

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MAE 484: Internship

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MAE 492: Honors Directed Study

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MAE 493: Honors Thesis (L)

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MAE 498: Pro-Seminar or MAE 499: Individualized Instruction

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\*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map







### Mechanical Engineering (Energy and Environment), BSE

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Tempe campus](#)

ESMAEEBSE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>FSE 100 is required for first-year students and should be completed the first semester. Non-first year students: see advisor for petitioning replacement electives.</li> <li>If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ASU 101-MEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		

Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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⚠ MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C
⚠ MAT 267: Calculus for Engineers III (MA)	3	C
⚠ MAT 275: Modern Differential Equations (MA)	3	C
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
MAE 214: Computer-Aided Engineering I	1	C
PHY 132: University Physics Laboratory II (SQ)	1	C
⚠ Complete CHM 114 OR CHM 116 course(s).		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Prep for success using the [Sophomore Guide](#).

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics	3	C	<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research experience</a>.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
⚠ MAE 213: Mechanics of Materials	3	C	
⚠ MAE 241: Introduction to Thermodynamics	3	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MEE 322: Structural Mechanics	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization competitions</a> or <a href="#">professional societies</a>.</li> </ul>
★ MEE 324: Structural Mechanics Laboratory	1	C	
CHM 231: Elementary Organic Chemistry (SQ) OR CHM 233: General Organic Chemistry I	3	C	
MAE 242: Introduction to Fluid Mechanics	3	C	
MAE 301: Applied Experimental Statistics	3	C	
MSE 250: Structure and Properties of Materials	3	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MAE 318: System Dynamics and Control I	4	C	<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Apply for an <a href="#">engineering 4+1 program</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
★ MEE 340: Heat Transfer	3	C	
MAE 400: Engineering Profession (L)	3	C	
MEE 323: Computer-Aided Engineering II	2	C	
MEE 342: Principles of Mechanical Design	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MEE 445: Energy Systems Design I	1	C	<ul style="list-style-type: none"> <li>• For additional information about Upper Division Energy and Environment Technical Electives, please see: <a href="#">Upper Division Energy and Environment Technical Electives</a>.</li> </ul>
★ MEE 482: Intermediate Thermodynamics	3	C	
MAE 417: System Dynamics and Control II OR MEE 491: Experimental Mechanical Engineering (L)	3	C	

PUP 190: Sustainable Cities ((HU or SB) & G) OR GPH 314: Global Change (HU & G)	3	
Upper Division Energy and Environment Technical Elective	3	C
Term hours subtotal:	13	

- Plan for success using the [Senior Guide](#).
- Apply for [full-time positions](#).
- Complete an in person or virtual [practice interview](#).

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 446: Energy Systems Design	2	C	<ul style="list-style-type: none"> <li>• For additional information about Upper Division Technical Electives, please go to: <a href="#">Upper Division Technical Electives</a>.</li> </ul>
MAE 417: System Dynamics and Control II OR MEE 491: Experimental Mechanical Engineering (L)	3	C	
SOS 171: The Thread of Energy (SB & G) OR GCU 364: Energy in the Global Arena (SB & G)	3		
Upper Division Technical Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

- For additional information about Upper Division Energy and Environment Technical Electives, & Upper Division Technical Electives, please go to: [Upper Division Energy and Environment Technical Electives & Upper Division Technical Electives](#)

Hide Course List(s)/Track Group(s)

Upper Division Energy and Environment Technical Electives	Upper Division Technical Electives	Upper Division Technical Electives continued
ATE 521: Building Environmental Science	AEE OR MAE OR MEE Upper Division Elective	MAT 300: Mathematical Structures (L)
ATE 556: Architectural Technology V	AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)	MAT 310: Introduction to Geometry
ATE 560: Building Energy Analysis	AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)	MAT 371: Advanced Calculus I
ATE 582: Environmental Control Systems	BIO 320: Fundamentals of Ecology	MAT 420: Scientific Computing
BIO 320: Fundamentals of Ecology	BME 300: Bioengineering Product Design	MAT 421: Applied Computational Methods (CS)
CEE 361: Introduction to Environmental Engineering	BME 316: Biomechanics for Biomedical Engineers	MAT 423: Numerical Analysis I (CS)
CEE 440: Hydrology	BME 318: Biomaterials	MAT 425: Numerical Analysis II (CS)
CEE 494: Energy Efficient Buildings and Systems	BME 350: Signals and Systems for Bioengineers	MAT 451: Mathematical Modeling (CS)
CEE 494: Sustainable Energy and Material Use	BME 494: Bioenergy and Microbial Biotechnology , Neural Bases of Motor Control	MAT 461: Applied Complex Analysis
CEE 494: Sustainable Energy Technologies	CEE 361: Introduction to Environmental Engineering	MAT 462: Applied Partial Differential Equations
CHE 473: Fuel Cells and Biofuel Cells	CEE 372: Transportation Engineering	MSE 330: Thermodynamics of Materials
CHE 478: Biomass Energy Conversion Technology	CEE 400: Earth Systems Engineering and Management ((L or HU) & H)	MSE 355: Structure and Defects
CHM 302: Environmental Chemistry		MSE 440: Mechanical Behavior of Materials
EEE 360: Energy Systems and Power Electronics		MSE 450: Introduction to Materials Characterization
		MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids

EEE 460: Nuclear Power Engineering	CEE 440: Hydrology	MSE 460: Nanomaterials in Energy Production and Storage
EEE 463: Electrical Power Plants	CEE 494: Energy Efficient Buildings and Systems	MSE 476: Growth and Processing of Semiconductors
EVE 302: Environmental Engineering Fundamentals: Physical and Chemical Processes	CEE 494: Sustainable Energy and Material Use	MSE 494: Bioinspired Materials and Biomaterials
MAE 494: Energy Efficiency	CEE 494: Sustainable Energy Technologies	MSE 494: Electrochemical Energy Storage and Conversion
MAE 494: Solar Thermal Engineering	CHE 468: Polymer Principles and Processing	MSE 494: Failure Analysis of Metallic Materials
MEE 434: Internal Combustion Engines	CHE 473: Fuel Cells and Biofuel Cells	MSE 494: Intro to FEA for Matl Design and Characterization
MEE 440: Renewable Energy: Mechanical Systems	CHE 478: Biomass Energy Conversion Technology	MSE 494: Manufacturing Processes for Structural Materials
MEE 441: Wind Energy	CHE 494: Nanobiotechnology	PHY 310: Classical Particles, Fields, and Matter I
MSE 460: Nanomaterials in Energy Production and Storage	CHE 494: Six Sigma Methodology/Engineering Experimentation	PHY 361: Introductory Modern Physics
MSE 494: Electrochemical Energy Storage and Conversion	CHM 302: Environmental Chemistry	SES 311: Essentials of Astrobiology: Exploration for Life in the Universe
By approval only:	CHM 325: Analytical Chemistry	SES 350: Engineering Systems and Experimental Problem Solving
MAE 484: Internship	EEE 304: Signals and Systems II	SES 407: Space Works II: Model, Fabricate and Test
MAE 492: Honors Directed Study	EEE 333: Hardware Design Languages and Programmable Logic	SES 494: Modeling and Analysis of Space Thermal Systems
MAE 493: Honors Thesis (L)	EEE 334: Circuits II	SES 494: ASU SpaceWorks Project Level 3-Model, Test, Build
MAE 498: Pro-Seminar or MAE 499: Individualized Instruction	EEE 350: Random Signal Analysis	By approval only:
*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.	EEE 360: Energy Systems and Power Electronics	MAE 484: Internship
	EEE 407: Digital Signal Processing	MAE 492: Honors Directed Study
	EEE 434: Quantum Mechanics for Engineers	MAE 493: Honors Thesis (L)
	EEE 460: Nuclear Power Engineering	MAE 498: Pro-Seminar or MAE 499: Individualized Instruction
	EEE 463: Electrical Power Plants	*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.
	EEE 480: Feedback Systems	
	EEE 481: Computer-Controlled Systems	
	EEE 498: Foundations Machine Learning: From Theory to Pract	
	EEE 498: Science and Technology of Solar Cell Fabrication	
	EGR 317: Humanitarian Engineering Project II	
EGR 433: Transforms and Systems Modeling		
EGR 455: Robotic Systems I		
EGR 456: Robotic Systems II		
EGR 494: Engineering in Semiconductors and Microelectronics		

EVE 302: Environmental Engineering  
Fundamentals: Physical and Chemical  
Processes

FSE 301: Entrepreneurship and Value  
Creation

GLG 418: Geophysics

FSE 394: Engineering in Global Context

IEE 300: Economic Analysis for Engineers

IEE 305: Information Systems Engineering  
(CS)

IEE 376: Operations Research Deterministic  
Techniques/Applications

IEE 437: Human Factors Engineering

IEE 431: Engineering Administration (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Software Engineering, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSSERBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>If ENG 105 is taken, a three credit hour elective course must also be taken prior to graduation</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>	
 MAT 265: Calculus for Engineers I (MA)	3	C		
ASU 101-CSE: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
FSE 100: Introduction to Engineering	2	C		
Social-Behavioral Sciences (SB)	3			
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C		<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
EGR 104: Critical Inquiry in Engineering (L)	3	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 266: Calculus for Engineers II (MA)	3	C		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:	15			
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 MAT 243: Discrete Mathematical Structures	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>	
 SER 232: Computer Systems Fundamentals (CS)	3	C		
CSE 240: Introduction to Programming Languages	3	C		
MAT 267: Calculus for Engineers III (MA) OR MAT 275: Modern Differential Equations (MA)	3	C		



Lab Science Sequence AND Natural Science - General (SG) OR  
Natural Science - Quantitative (SQ) 4

❖ Minimum 2.00 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 62 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ SER 222: Design and Analysis of Data Structures and Algorithms 3 C

CSE 230: Computer Organization and Assembly Language Programming 3 C

EGR 280: Engineering Statistics (CS) 3 C

PHY 121: University Physics I: Mechanics (SQ) 3 C

PHY 122: University Physics Laboratory I (SQ) 1 C

SER 216: Software Enterprise: Personal Process and Quality 3 C

❖ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16

- Pursue an undergraduate research experience
- Apply for internships
- Attend career fairs and events

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SER 334: Operating Systems and System Programming 3 C

MAT 343: Applied Linear Algebra 3 C

SER 315: Software Enterprise: Design and Process 3 C

SER 322: Principles of Database Management 3 C

Lab Science Sequence AND Natural Science - General (SG) OR  
Natural Science - Quantitative (SQ) 4

Term hours subtotal: 16

- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SER 316: Software Enterprise: Construction and Transition 3 C

★ SER 321: Principles of Distributed Software Systems 3 C

SER 335: Engineering Secure Software Systems 3 C

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Social-Behavioral Sciences (SB) AND Global Awareness (G) 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Research and prepare for graduate school.
- Apply for an engineering 4+1 program.
- Develop a professional profile online.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SER 401: Computing Capstone Project I 3 C

SER 415: Software Enterprise: Inception and Elaboration (L) 3 C

SER 4\*\* Elective 3 C

Technical Elective 3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division  
Social-Behavioral Sciences (SB) ( HST 318 recommended) 3

Term hours subtotal: 15

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SER 402: Computing Capstone Project II	3	C
SER 416: Software Enterprise: Project and Process Management	3	C
Complete 2 courses: SER 4** Elective	6	C
Term hours subtotal:	12	

Hide Course List(s)/Track Group(s)

Lab Science Sequence	Technical Elective
BIO 181: General Biology I (SQ) AND BIO 182: General Biology II (SG)	CPI Upper Division Elective
BIO 201: Human Anatomy and Physiology I (SG) AND BIO 202: Human Anatomy and Physiology II (SG)	CSE Upper Division Elective
CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ)	EEE Upper Division Elective
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	IEE Upper Division Elective
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	IFT Upper Division Elective
GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ)	SER Upper Division Elective
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	
Note: Students who want to take PHY 121/122 and PHY 131/132 for their Lab Science Sequence will need to select a different lab science course (4 hours) from the list.	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map



### Software Engineering, BS




School/College: [Ira A. Fulton Schools of Engineering](#)




Location: [Online, ASU Local@Los Angeles](#)



TSSERBS

Term 1 - A 0 - 6 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-FSE: The ASU Experience	1		<ul style="list-style-type: none"> <li>If ENG 105 is taken, a three credit hour elective course must also be taken prior to graduation.</li> <li>ASU 101 is only required of new first-year students transferring in fewer than 24 hours to ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
FSE 100: Introduction to Engineering	2	C	
Term hours subtotal:	6		

Term 1 - B 6 - 12 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		



Term 2 - A 12 - 18 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
Term hours subtotal:	6		

Term 2 - B 18 - 24 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SER 232: Computer Systems Fundamentals (CS)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
MAT 266: Calculus for Engineers II (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 24 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 243: Discrete Mathematical Structures	3	C	
CSE 230: Computer Organization and Assembly Language Programming	3	C	



Term hours subtotal: 6



Term 3 - B 30 - 36 Credit Hours	Hours	Minimum Grade	Notes
CSE 240: Introduction to Programming Languages	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
MAT 267: Calculus for Engineers III (MA) OR MAT 275: Modern Differential Equations (MA)	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 36 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SER 222: Design and Analysis of Data Structures and Algorithms	3	C	
EGR 104: Critical Inquiry in Engineering (L)	3	C	
Term hours subtotal:	6		

Term 4 - B 42 - 48 Credit Hours	Hours	Minimum Grade	Notes
EGR 280: Engineering Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Pursue an <a href="#">undergraduate research</a> experience.</li> <li>• Apply for <a href="#">internships</a>.</li> <li>• Attend <a href="#">career fairs and events</a>.</li> </ul>
SER 216: Software Enterprise: Personal Process and Quality	3	C	
Term hours subtotal:	6		

Term 5 - A 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
MAT 343: Applied Linear Algebra	3	C	
SER 315: Software Enterprise: Design and Process	3	C	
Term hours subtotal:	6		

Term 5 - B 54 - 61 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SER 334: Operating Systems and System Programming	3	C	<ul style="list-style-type: none"> <li>• In addition to PHY 121 and PHY 122, students must complete 8 semester hours (2 courses) of lab science from the following: BIO 181, BIO 182, BIO 201, BIO 202, CHM 113, CHM 116, GLG 101/103, GLG 102/104, GLG 110/111, PHY 131/132.</li> <li>• Plan for success using the <a href="#">Junior Guide</a>.</li> <li>• Network at <a href="#">student organization</a> competitions or professional societies.</li> </ul>
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
Term hours subtotal:	7		

Term 6 - A 61 - 67 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SER 321: Principles of Distributed Software Systems	3	C	<ul style="list-style-type: none"> <li>• During the junior year of the program, students should contact an academic advisor to identify course options.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Term 6 - B 67 - 73 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SER 316: Software Enterprise: Construction and Transition	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <a href="#">graduate school</a>.</li> <li>• Develop a <a href="#">professional profile online</a>.</li> </ul>
SER 335: Engineering Secure Software Systems	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 6

Term 7 - A 73 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SER 415: Software Enterprise: Inception and Elaboration (L)	3	C	
SER 322: Principles of Database Management	3	C	
Term hours subtotal:	6		

Term 7 - B 79 - 86 Credit Hours	Hours	Minimum Grade	Notes
Lab Science Sequence AND Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>• During the junior year of the program, students should contact an academic advisor to identify course options/selection.</li> <li>• In addition to PHY 121 and PHY 122, students must complete 8 semester hours (2 courses) of lab science from the following: BIO 181, BIO 182, BIO 201, BIO 202, CHM 113, CHM 116, GLG 101/103, GLG 102/104, GLG 110/111, PHY 131/132.</li> <li>• Plan for success using the <b>Senior Guide</b>.</li> <li>• Use <b>Handshake</b> to apply for full-time positions.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
SER 4** Elective	3	C	
Term hours subtotal:	7		

Term 8 - A 86 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SER 416: Software Enterprise: Project and Process Management	3	C	<ul style="list-style-type: none"> <li>• In addition to PHY 121 and PHY 122, students must complete 8 semester hours (2 courses) of lab science from the following: BIO 181, BIO 182, BIO 201, BIO 202, CHM 113, CHM 116, GLG 101/103, GLG 102/104, GLG 110/111, PHY 131/132.</li> </ul>
Lab Science Sequence AND Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: SER 4** Elective	6	C	<ul style="list-style-type: none"> <li>• During the junior year of the program, students should contact an academic advisor to identify course options/selection.</li> </ul>
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SER 401: Computing Capstone Project I	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 9 - B 105 - 114 Credit Hours	Hours	Minimum Grade	Notes
Technical Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) ( HST 318 recommended)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		

Term hours subtotal: 9

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SER 402: Computing Capstone Project II	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

Lab Science Sequence	Technical Elective
BIO 181: General Biology I (SQ) AND BIO 182: General Biology II (SG)	CPI Upper Division Elective
BIO 201: Human Anatomy and Physiology I (SG) AND BIO 202: Human Anatomy and Physiology II (SG)	CSE Upper Division Elective
CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ)	EEE Upper Division Elective
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	IEE Upper Division Elective
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	IFT Upper Division Elective
GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ)	SER Upper Division Elective
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Technological Entrepreneurship and Management, BS

School/College: [Ira A. Fulton Schools of Engineering](#)

Location: [Polytechnic campus](#)

TSTEMBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 FSE 181: Technological, Social, and Sustainable Systems (HU)	3	C	
 TMC 110: Understanding the Enterprise	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
TEM 100: Seminar in Entrepreneurship	1	C	
Elective	2		
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IFT 101: Information Technology Programming Logic OR CSE 110: Principles of Programming (CS) OR CSE 194: Introduction to Computer Science and Programming f	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>Prep for success using the <a href="#">Sophomore Guide</a>.</li> </ul>
 TEM 230: Creativity and Business Innovation	3	C	
TEM 200: My Technology Venture	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

❖ Complete TEM 100 course(s).

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 47 - 62 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ TEM 250: Design Methodology	3	C	<ul style="list-style-type: none"> <li>Pursue an undergraduate research experience.</li> <li>Apply for internships.</li> <li>Attend career fairs and events.</li> </ul>
TEM OR TMC Elective	3	C	
Complete 2 courses:			
STEM Elective (Recommended: EGR/GIT/HSE/IFT)	6		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FSE 301: Entrepreneurship and Value Creation OR TEM 482: Startup Workshop	3	C	<ul style="list-style-type: none"> <li>Plan for success using the Junior Guide.</li> <li>Network at student organization competitions or professional societies.</li> </ul>
★ TEM 300: Career Management for Entrepreneurs and Innovators	1	C	
★ TMC 330: Leading the Enterprise	3	C	
Upper Division STEM Elective	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 431: Innovation Management OR TEM 330: Systems Innovation	3	C	<ul style="list-style-type: none"> <li>Research and prepare for graduate school.</li> <li>Develop a professional profile online.</li> </ul>
★ TMC 320: Funding the Enterprise	3	C	
TMC 310: Promotion of the Enterprise	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 400: Technology Entrepreneurship	3	C	<ul style="list-style-type: none"> <li>If you are participating or planning on participating in the Thunderbird 4+1 degree, OMT 440 is required.</li> <li>Plan for success using the Senior Guide.</li> <li>Use Handshake to apply for full-time positions.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
TEM 455: Global Impact Entrepreneurship OR OMT 440: International Business (G)	3	C	
TMC 430: Enterprise Strategy and Innovation	3	C	
Upper Division STEM Elective	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OMT 430: Ethical Issues in Technology OR OMT 402: Legal Issues for Technologists	3	C
★ TEM 431: Innovation Management OR TEM 330: Systems Innovation	3	C
★ TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop	3	C
TEM 311: Opportunity Analysis	3	C
Term hours subtotal:	12	

- Select 12 credit hours of STEM electives from the provided list of subjects, including six upper-division credits. A list of recommended courses are provided on The Polytechnic School Advising Services website; reach out to your advisor for a full list of recommended courses.

Hide Course List(s)/Track Group(s)

STEM Elective
AME Elective
AMT Elective
AST Elective
BIO Elective
BME Elective
BMI Elective
CAP Elective
CHM Elective
CIS Elective
CSE Elective
EEE Elective
EGR Elective
ENT Elective
FIS Elective
FSE Elective
GIT Elective
GLG Elective
HSE Elective
IEE Elective
IFT Elective
IGD Elective
IVD Elective
MAT Elective
MDC Elective

MFG Elective

MGT Elective

MKT Elective

OGL Elective

OMT Elective

PHY Elective

PSY Elective

PUP Elective

SER Elective

SES Elective

SOS Elective

STP Elective

TEM Elective

TMC Elective

TWC Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map



### Technological Entrepreneurship and Management, BS




School/College: [Ira A. Fulton Schools of Engineering](#)



Location: [Online, ASU Local@Los Angeles](#)

TSTEMBS




Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering	1		<ul style="list-style-type: none"> <li>ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.</li> <li>Prep for success using the <a href="#">First-Year Student Guide</a>.</li> <li>Join a <a href="#">Fulton community</a>.</li> <li>Explore <a href="#">engineering and technical professions</a>.</li> </ul>
 TMC 110: Understanding the Enterprise	3	C	
TEM 100: Seminar in Entrepreneurship	1	C	
Elective	2		
Term hours subtotal:	7		



Term 1 - B 7 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FSE 181: Technological, Social, and Sustainable Systems (HU)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Term hours subtotal:	8		



Term 2 - A 15 - 24 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Create a <a href="#">Handshake</a> profile.</li> <li>Get involved with EPICS, the Generator Labs, and the <a href="#">Fulton Start-Up Center</a>.</li> </ul>
 MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		

Term 2 - B 24 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
IFT 101: Information Technology Programming Logic OR CSE 110: Principles of Programming (CS) OR CSE 194: Introduction to Computer Science and Programming f	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			



Term hours subtotal: 7


Term 3 - A 31 - 40 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 230: Statistics for Human Systems Research I (CS)	3	C	<ul style="list-style-type: none"> <li>• Prep for success using the <b>Sophomore Guide</b>.</li> </ul>
 TEM 230: Creativity and Business Innovation	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	9		



Term 3 - B 40 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
TEM 200: My Technology Venture	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete TEM 100 course(s).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 47 - 56 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 250: Design Methodology	3	C	<ul style="list-style-type: none"> <li>• Pursue an <b>undergraduate research experience</b>.</li> <li>• Apply for <b>internships</b>.</li> <li>• Attend <b>career fairs and events</b>.</li> </ul>
TEM OR TMC Elective	3	C	
STEM Elective (Recommended: EGR/GIT/HSE/IFT)	3		
Term hours subtotal:	9		

Term 4 - B 56 - 62 Credit Hours	Hours	Minimum Grade	Notes
STEM Elective (Recommended: EGR/GIT/HSE/IFT)	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 5 - A 62 - 71 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FSE 301: Entrepreneurship and Value Creation OR TEM 482: Startup Workshop	3	C	<ul style="list-style-type: none"> <li>• Plan for success using the <b>Junior Guide</b>.</li> <li>• Network at <b>student organization</b> competitions or professional societies.</li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - B 71 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TEM 300: Career Management for Entrepreneurs and Innovators	1	C	
 TMC 330: Leading the Enterprise	3	C	
Upper Division STEM Elective	3		
Term hours subtotal:	7		

Term 6 - A 78 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TMC 320: Funding the Enterprise	3	C	<ul style="list-style-type: none"> <li>• Research and prepare for <b>graduate school</b>.</li> <li>• Develop a <b>professional profile online</b>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 6 - B 84 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 431: Innovation Management OR TEM 330: Systems Innovation	3	C	
TMC 310: Promotion of the Enterprise	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 93 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 400: Technology Entrepreneurship	3	C	<ul style="list-style-type: none"> <li>Plan for success using the <a href="#">Senior Guide</a>.</li> <li>Use <a href="#">Handshake</a> to apply for full-time positions.</li> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
TMC 430: Enterprise Strategy and Innovation	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		

Term 7 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
TEM 455: Global Impact Entrepreneurship OR OMT 440: International Business (G)	3	C	<ul style="list-style-type: none"> <li>If you are participating or planning on participating in the Thunderbird 4+1 degree, OMT 440 is required.</li> </ul>
Upper Division STEM Elective	3		
Term hours subtotal:	6		

Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 431: Innovation Management OR TEM 330: Systems Innovation	3	C	
★ TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop	3	C	
Term hours subtotal:	6		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OMT 430: Ethical Issues in Technology OR OMT 402: Legal Issues for Technologists	3	C	
TEM 311: Opportunity Analysis	3	C	
Term hours subtotal:	6		

- Select 12 credit hours of STEM electives from the provided list of subjects, including six upper-division credits. A list of recommended courses are provided on The Polytechnic School Advising Services website; reach out to your advisor for a full list of recommended courses.

Hide Course List(s)/Track Group(s)

STEM Elective
AME Elective
AMT Elective
AST Elective

BIO Elective

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BME Elective

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BMI Elective

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CAP Elective

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CHM Elective

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CIS Elective

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CSE Elective

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EEE Elective

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EGR Elective

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ENT Elective

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FIS Elective

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FSE Elective

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GIT Elective

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GLG Elective

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HSE Elective

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IEE Elective

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IFT Elective

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IGD Elective

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IVD Elective

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MAT Elective

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MDC Elective

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MFG Elective

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MGT Elective

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MKT Elective

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OGL Elective

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OMT Elective

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PHY Elective

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PSY Elective

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PUP Elective

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SER Elective

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SES Elective

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SOS Elective

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STP Elective

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TEM Elective

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TMC Elective

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TWC Elective



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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Innovation in Society, BA

School/College: College of Global Futures

Location: Tempe campus

FIFISBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FIS 101: SFIS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement.</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 FIS 111: Welcome to the Future	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.	4	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.	4	C	
Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

FIS 201: Innovation in Society (H)	3	C
Second Language: Requirement satisfied through the following:		
* Completion of secondary education at a school in which the language of instruction is not English;		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;	4	C
* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.		
Natural Science - Quantitative (SQ)	4	
Complete 2 courses:		
Elective	5	
Term hours subtotal: 16		

- Secure a part-time job or volunteer experience

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b>	Hours	Minimum Grade	Notes
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FIS 305: Ways of Knowing (L)	3	C
Second Language: Requirement satisfied through the following:		
* Completion of secondary education at a school in which the language of instruction is not English;		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;	4	C
* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Elective	3	
Term hours subtotal: 14		

- Use handshake to research employment opportunities
- Explore an internship

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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FIS 307: Navigating Futures (SB)	3	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3	
Upper Division Elective	3	
Complete 2 courses:		
Elective	6	
Term hours subtotal: 15		

- Reflect on the skills you have and the skills you think you need.

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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FIS 308: Politics, Markets and Innovation (SB)	3	C
Upper Division Core FIS Elective	3	C
Literacy and Critical Inquiry (L)	3	
Upper Division Elective OR FIS 484: Internship	3	
Elective	3	
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal: 15		

- Develop your professional online presence

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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★ Upper Division Core FIS Elective	3	C
Upper Division Related Area Elective	3	C
Social-Behavioral Sciences (SB)	3	
Complete 2 courses:		
Upper Division Elective	6	
Term hours subtotal:		15

- Gather professional references
- Complete an in person or virtual practice interview

★ Term 8 105 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ FIS 480: Innovation in Society Studio OR FIS 493: Honors Thesis (L)	3	C
Upper Division Related Area Elective	3	C
Complete 3 courses:		
Upper Division Elective	9	
Term hours subtotal:		15

- FIS 480 may be substituted with a capstone-like course or independent study course with faculty mentor of at least 3 credits. The substituted course must include demonstration of professional conduct and leadership; development and evaluation of applications and strategies; and written/oral communication of complex ideas to diverse audiences. Substitution must be approved. See advisor for more information.

Hide Course List(s)/Track Group(s)

Core FIS Electives	Upper Division Related Area Electives
FIS 331: Technology and the Modern World	ASB 452: Community Partnerships for Global Health (SB)
FIS 332: Risk and the Future (L)	BIO 311: Biology and Society
FIS 334: Science, Technology and Inequality (C)	BIO 312: Bioethics (HU)
FIS 335: Designing Knowledge (SB)	BIO 320: Fundamentals of Ecology
FIS 336: Science and Technology Policy	BIO 324: Environmental Ethics (HU)
FIS 337: Innovation and Global Development (G)	CEE 300: Engineering Business Practice (L)
FIS 394: The Moviegoers Guide to the Future	COM 312: Communication, Conflict, and Negotiation
FIS 403: Governing Emerging Technologies (SB)	COM 314: Inner-City Families: The Cycle of Poverty
	COM 421: Rhetoric of Social Issues (HU)
	COM 426: Political Communication (SB)
	ECN 355: Economics of Healthcare
	ECN 445: Environmental Economics
	FIS 431: Technology, Security and Insecurity in Global Politics
	GPH 314: Global Change (HU & G)
	HPS 314: Philosophy of Science (HU)
	HPS 322: History of Science I (HU & H)

HPS 340: Biology and Society
HST 318: History of Engineering ((L or SB) & G)
HST 345: Environmental History (L)
IDS 301: Becoming Interdisciplinary
JUS 303: Justice Theory (L)
JUS 325: Globalization and Socio-Economic Justice (SB & G)
JUS 445: Surveillance and Society
JUS 456: Human Rights and Sustainability ((L or SB) & G)
PAF 300: Public Management and Administration
PAF 311: Leadership and Change (SB)
SOS 315: Energy Policy
SOS 320: Society and Sustainability (L or SB)
SOS 321: Policy and Governance in Sustainable Systems
SOS 322: International Development and Sustainability
SOS 327: Sustainable Food and Farms
SOS 328: Sustainability and Enterprise
TCL 447: Gender, Culture, and Development ((L or SB) & G)
WST 440: Politics of Women's Health (SB & C)

**Notes:**

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- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map

### Innovation in Society, BA

School/College: [College of Global Futures](#)


Location: [Online, ASU Local@Los Angeles](#)

FIFISBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-ONL: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
 FIS 111: Welcome to the Future	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	9		

Term 2 - A 16 - 23 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.	4	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended)	3		
Term hours subtotal:	7		

Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.	4	C	

Elective	3
◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).	
Term hours subtotal:	7

Term 3 - A 30 - 37 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ FIS 201: Innovation in Society (H)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English;			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;	4	C	
* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.			
Term hours subtotal:	7		

Term 3 - B 37 - 45 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English;			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;	4	C	
* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.			
Natural Science - Quantitative (SQ)	4		
◆ Complete First-Year Composition requirement.			
◆ Complete Mathematics (MA) requirement.			
Term hours subtotal:	8		

Term 4 - A 45 - 54 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ FIS 305: Ways of Knowing (L)	3	C	<ul style="list-style-type: none"> <li>Use <b>Handshake</b> to research employment opportunities.</li> <li>Explore an <b>internship</b>.</li> </ul>
Complete 2 courses:	6		
Elective			
Term hours subtotal:	9		

Term 4 - B 54 - 61 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		

Term 5 - A 61 - 67 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIS 307: Navigating Futures (SB)	3	C	<ul style="list-style-type: none"> <li>Reflect on the <b>skills</b> you have and the skills you think you need</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 5 - B 67 - 76 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		



Complete 2 courses: 6  
 Elective

Term hours subtotal: 9

Term 6 - A 76 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Core FIS Elective	3	C	<ul style="list-style-type: none"> <li>Develop your professional online presence</li> </ul>
Literacy and Critical Inquiry (L)	3		
Elective	2		
Term hours subtotal:	8		

Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ FIS 308: Politics, Markets and Innovation (SB)	3	C
Upper Division Elective OR FIS 484: Internship	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Core FIS Elective	3	C	<ul style="list-style-type: none"> <li>Gather professional references</li> <li>Complete an in person or virtual practice interview</li> </ul>
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Related Area Elective	3	C
Complete 2 courses:	6	
Upper Division Elective		
Term hours subtotal:	9	

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ FIS 480: Innovation in Society Studio	3	C	<ul style="list-style-type: none"> <li>FIS 480 may be substituted with a capstone-like course or independent study course with faculty mentor of at least three credits. The substituted course must include demonstration of professional conduct and leadership; development and evaluation of applications and strategies; and written/oral communication of complex ideas to diverse audiences. Substitution must be approved. See advisor for more information.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Related Area Elective	3	C
Complete 2 courses:	6	
Upper Division Elective		
Term hours subtotal:	9	

Hide Course List(s)/Track Group(s)

Core FIS Electives	Upper Division Related Area Electives
FIS 334: Science, Technology and Inequality (C)	ASB 452: Community Partnerships for Global Health (SB)
FIS 335: Designing Knowledge (SB)	BIO 311: Biology and Society
FIS 337: Innovation and Global Development (G)	BIO 312: Bioethics (HU)
FIS 394: The Moviegoers Guide to the Future	BIO 320: Fundamentals of Ecology
	BIO 324: Environmental Ethics (HU)
	COM 312: Communication, Conflict, and Negotiation
	GPH 314: Global Change (HU & G)
	HPS 314: Philosophy of Science (HU)
	HPS 322: History of Science I (HU & H)
	HPS 340: Biology and Society
	HST 318: History of Engineering ((L or SB) & G)
	HST 345: Environmental History (L)
	IDS 301: Becoming Interdisciplinary
	JUS 303: Justice Theory (L)
	PAF 300: Public Management and Administration
	PAF 311: Leadership and Change (SB)
	SOS 315: Energy Policy
	SOS 320: Society and Sustainability (L or SB)
	SOS 321: Policy and Governance in Sustainable Systems
	SOS 322: International Development and Sustainability
	SOS 327: Sustainable Food and Farms
	SOS 328: Sustainability and Enterprise

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map


### Innovation in Society, BS

School/College: College of Global Futures


Location: Tempe campus

FIFISBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FIS 101: SFIS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
 FIS 111: Welcome to the Future	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b></li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FIS 201: Innovation in Society (H)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
Complete 2 courses: Technical Elective	6	C	
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 FIS 305: Ways of Knowing (L)	3	C
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR SBS 304: Social Statistics I (CS) OR SOC 390: Social Statistics I (CS)	3	C
Technical Elective	3	C
Complete 2 courses: Elective	6	
Term hours subtotal:	15	



- Use handshake to research **employment opportunities**
- Explore an **internship**

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 FIS 307: Navigating Futures (SB)	3	C
Upper Division Core FIS Elective	3	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3	
Complete 2 courses: Elective	6	
Term hours subtotal:	15	


- Reflect on the skills you have and the **skills** you think you need

Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 FIS 308: Politics, Markets and Innovation (SB)	3	C
Literacy and Critical Inquiry (L)	3	
Upper Division Elective OR FIS 484: Internship	3	
Upper Division Elective	3	
Elective	3	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	


- Develop your **professional online presence**

Term 7 90 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 Upper Division Core FIS Elective	3	C
Upper Division Related Area Elective	3	C
Social-Behavioral Sciences (SB)	3	
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	15	

- Gather **professional references**
- Complete an in person or virtual **practice interview**

Term 8 105 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 FIS 480: Innovation in Society Studio OR FIS 493: Honors Thesis (L)	3	C
Upper Division Related Area Elective	3	C
Complete 3 courses: Upper Division Elective	9	
Term hours subtotal:	15	

- FIS 480 may be substituted with a capstone-like course or independent study course with faculty mentor of at least 3 credits. The substituted course must include demonstration of professional conduct and leadership; development and evaluation of applications and strategies; and written/oral communication of complex ideas to diverse audiences. Substitution must be approved. See advisor for more information.

Hide Course List(s)/Track Group(s)

Core FIS Electives	Technical Elective	Upper Division Related Area Electives
FIS 331: Technology and the Modern World	AEE OR AET OR AML OR ASM OR AST	ASB 452: Community Partnerships for Global Health (SB)
FIS 332: Risk and the Future (L)	OR BIO OR BCH OR BME OR CEE OR	BIO 311: Biology and Society
FIS 334: Science, Technology and Inequality (C)	CHE OR CNE OR EEE OR EET OR EGR	BIO 312: Bioethics (HU)
FIS 335: Designing Knowledge (SB)	OR FSE OR GLG OR GPH OR IEE OR LSE	BIO 320: Fundamentals of Ecology
FIS 336: Science and Technology Policy	OR MAE OR MAT OR MBB OR MEE OR	BIO 324: Environmental Ethics (HU)
FIS 337: Innovation and Global Development (G)	MET OR MFG OR MIC OR MSE OR PHS	CEE 300: Engineering Business Practice (L)
FIS 394: The Moviegoers Guide to the Future	OR PHY OR PLB OR STP Elective	COM 312: Communication, Conflict, and Negotiation
FIS 403: Governing Emerging Technologies (SB)		COM 314: Inner-City Families: The Cycle of Poverty
		COM 421: Rhetoric of Social Issues (HU)
		COM 426: Political Communication (SB)
		ECN 355: Economics of Healthcare
		ECN 445: Environmental Economics
		FIS 431: Technology, Security and Insecurity in Global Politics
		GPH 314: Global Change (HU & G)
		HPS 314: Philosophy of Science (HU)
		HPS 322: History of Science (HU & H)
		HPS 340: Biology and Society
		HST 318: History of Engineering ((L or SB) & G)
		HST 345: Environmental History (L)
		IDS 301: Becoming Interdisciplinary
		JUS 303: Justice Theory (L)
		JUS 325: Globalization and Socio-Economic Justice (SB & G)
		JUS 445: Surveillance and Society
		JUS 456: Human Rights and Sustainability ((L or SB) & G)
		PAF 300: Public Management and Administration
		PAF 311: Leadership and Change (SB)
		SOS 315: Energy Policy

SOS 320: Society and Sustainability (L or SB)

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SOS 321: Policy and Governance in Sustainable Systems

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SOS 322: International Development and Sustainability

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SOS 327: Sustainable Food and Farms

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SOS 328: Sustainability and Enterprise

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TCL 447: Gender, Culture, and Development ((L or SB) & G)

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WST 440: Politics of Women's Health (SB & C)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map

### Innovation in Society, BS

School/College: [College of Global Futures](#)




Location: [Online, ASU Local@Los Angeles](#)

FIFISBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-ONL: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
 FIS 111: Welcome to the Future	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 2 - A 14 - 20 Credit Hours	Hours	Minimum Grade	Notes
MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - B 20 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FIS 201: Innovation in Society (H)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	9		

Term 3 - A 29 - 36 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
Elective	3		
Term hours subtotal:	7		



Term 3 - B 36 - 45 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
Technical Elective	6	C	
Elective	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		
Term 4 - A 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR SOC 390: Social Statistics I (CS)	3	C	<ul style="list-style-type: none"> <li>• Use <b>Handshake</b> to research employment opportunities</li> <li>• Explore an <b>internship</b></li> </ul>
Technical Elective	3	C	
Term hours subtotal:	6		
Term 4 - B 51 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ FIS 305: Ways of Knowing (L)	3	C	
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	9		
Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIS 307: Navigating Futures (SB)	3	C	<ul style="list-style-type: none"> <li>• Reflect on the <b>skills</b> you have and the skills you think you need</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	9		
Term 5 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Core FIS Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 6 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIS 308: Politics, Markets and Innovation (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		
Term 6 - B 81 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR FIS 484: Internship	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 90 - 96 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Core FIS Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b></li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Elective	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	9		

Term 8 - A 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FIS 480: Innovation in Society Studio	3	C	<ul style="list-style-type: none"> <li>• FIS 480 may be substituted with a capstone-like course or independent study course with faculty mentor of at least three credits. The substituted course must include demonstration of professional conduct and leadership; development and evaluation of applications and strategies; and written/oral communication of complex ideas to diverse audiences. Substitution must be approved. See advisor for more information.</li> </ul>
Upper Division Related Area Elective	3	C	
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

Core FIS Electives	Technical Elective	Upper Division Related Area Electives
FIS 334: Science, Technology and Inequality (C)	AEE OR AET OR AML OR ASM OR AST OR BIO OR BCH OR BME OR CEE OR CHE OR CNE OR EEE OR EET OR EGR OR FSE OR GLG OR GPH OR IEE OR LSE OR MAE OR MAT OR MBB OR MEE OR MET OR MFG OR MIC OR MSE OR PHS OR PHY OR PLB OR STP Elective	ASB 452: Community Partnerships for Global Health (SB)
FIS 335: Designing Knowledge (SB)		BIO 311: Biology and Society
FIS 337: Innovation and Global Development (G)		BIO 312: Bioethics (HU)
FIS 394: The Moviegoers Guide to the Future		BIO 320: Fundamentals of Ecology
		BIO 324: Environmental Ethics (HU)
		COM 312: Communication, Conflict, and Negotiation
		GPH 314: Global Change (HU & G)
		HPS 314: Philosophy of Science (HU)
		HPS 322: History of Science I (HU & H)
		HPS 340: Biology and Society

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HST 318: History of Engineering ((L or SB) & G)

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HST 345: Environmental History (L)

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IDS 301: Becoming Interdisciplinary

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JUS 303: Justice Theory (L)

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PAF 300: Public Management and Administration

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PAF 311: Leadership and Change (SB)

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SOS 315: Energy Policy

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SOS 320: Society and Sustainability (L or SB)

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SOS 321: Policy and Governance in Sustainable Systems

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SOS 322: International Development and Sustainability

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SOS 327: Sustainable Food and Farms

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SOS 328: Sustainability and Enterprise

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Sustainability, BA

School/College: [College of Global Futures](#)

Location: [Polytechnic campus](#), [Tempe campus](#)

SUSUSTBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>• SOS 191 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• SOS 201 required of all Sustainability transfer students.</li> <li>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> </ul>
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA in BMJ, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
SOS 110: Sustainable World (SB)	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110 AND SOS 111 course(s).			
 Minimum 2.50 GPA in BMJ, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❖ SOS 220: Systems Thinking	3	C
SOS 232: Professional Skills in Sustainability Practice	3	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
❖ Complete First-Year Composition requirement.		
❖ Minimum 2.50 GPA in BMY, SFS and SOS.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

- Create a first draft **resume** and start attending sustainability career-related **workshops and lectures**.

Term 4 46 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C
SOS 231: Careers in Sustainability	1	C
SOS 310: Equity, Justice and Sustainability	3	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Upper Division Track Required Course	3	C
❖ Complete SOS 231 AND SOS 232 course(s).		
❖ Milestone: Select a track.		
❖ Minimum 2.50 GPA in BMY, SFS and SOS.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	14	

- See track/group notes below for track requirement details.

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Complete 2 courses: SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	6	C
SOS 311: Future Thinking and Strategies	3	C
Related Discipline Elective	3	C
Natural Science - Quantitative (SQ)	4	
★ Minimum 2.50 GPA in BMY, SFS and SOS.		

- See track/group notes below for track requirement details.
- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.
- Meet with the **School of Sustainability Career Advisor** to review your resume.

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Track Elective Course	3	C	<ul style="list-style-type: none"> <li>• See track/group notes below for track elective details.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Begin <a href="#">exploring internship opportunities</a> and meet with the School of Sustainability Internship and Experiential Education Specialist to discuss your interests.</li> </ul>
Related Discipline Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal: 16			

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 484: Capstone: Internship	4	B-	<ul style="list-style-type: none"> <li>• See track/group notes below for upper division track elective details.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Meet with the School of Sustainability career advisor to discuss and refine your <a href="#">career search process</a>.</li> </ul>
Upper Division Related Discipline Elective	3	C	
Upper Division Track Elective Course	3	C	
Upper Division Elective	2		
Elective	3		
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal: 15			

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 498: Pro-Seminar (L) OR SOS 493: Honors Thesis (L)	3	B-	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
SOS Upper Division Elective	3	C	
Upper Division Related Discipline Elective	3	C	
Upper Division Elective	3		
Elective	1		
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal: 13			

- BA Students must select one of the following challenge area tracks:
  - Society & Sustainability (SOS 320)
  - Policy and Governance in Sustainable Systems (SOS 321)
  - International Development and Sustainability (SOS 322)
  - Sustainable Urban Dynamics (SOS 323 or SOS 465)

- Students must declare a track by the end of Term 4
- Students must complete the one required course for their chosen track.
- Students must also complete any additional three track courses for a total of 12 credit hours of track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective course must be upper division.

Example: If the Society and Sustainability Track is chosen, students must complete SOS 320 and any three additional track courses by the end of Term 5.

More information on BA Tracks can be found [here](#).

#### Hide Course List(s)/Track Group(s)

International Development and Sustainability Track	Policy and Governance in Sustainable Systems Track	Society and Sustainability Track
Required Course:	Required Course:	Required Course:
SOS 322: International Development and Sustainability	SOS 321: Policy and Governance in Sustainable Systems	SOS 320: Society and Sustainability (L or SB)
Electives:	Electives:	Electives:
AFR 340: The Making of Modern Africa (SB & G & H)	AGB 414: Food and Agribusiness Policy Issues (L)	ASB 202: Immigration and Ethnic Relations in the U.S. (SB & C)
AGB 302: International Management and Agribusiness (G)	ABS 381: Natural Resources Policy	ASB 211: Women in Other Cultures ((HU or SB) & G)
ALT 412: Village Energy Systems	ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)	ASB 311: Principles of Social Anthropology (SB & G & H)
ASB 100: Introduction to Global Health (SB & G)	BIO 412: Conservation in Practice	ASB 326: Human Impacts on Ancient Environments (SB & H)
ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)	ECN 441: Public Economics (SB)	ASB 344: Technology and Society (L or SB)
FIS 337: Innovation and Global Development (G)	GCU 361: Urban Geography (SB)	ASB 370: Ethics of Eating (L or SB)
GCU 364: Energy in the Global Arena (SB & G)	GPH 314: Global Change (HU & G)	BIO 311: Biology and Society
GPH 314: Global Change (HU & G)	HST 345: Environmental History (L)	BIO 434: People and Nature: Ecosystem Services
JUS 325: Globalization and Socio-Economic Justice (SB & G) or SGS 325: Globalization and Socio-Economic Justice (SB & G)	JUS 332: Politics of Energy Policy and Justice	ENG 367: Environmental Issues in Literature and Film (L or HU)
JUS 352: The Global Politics of Human Rights (SB & G)	PAF 300: Public Management and Administration	FIS 111: Welcome to the Future
OMT 440: International Business (G)	PAF 340: Contemporary Policy Challenges	FIS 334: Science, Technology and Inequality (C)
POS 160: Global Politics (SB & G)	PHI 407: Environmental Philosophy and Policy (L or HU)	GCU 350: The Geography of World Crises (SB & G)
POS 368: Ethics and Human Rights	POS 160: Global Politics (SB & G)	GCU 351: Population Geography (SB & G)
POS 486: International Political Economy (SB & G)	POS 300: Contemporary Global Controversies (SB & G)	GCU 357: Social Geography (SB)
SBS 480: Global Justice (G)	POS 346: Problems of Democracy (HU)	GCU 441: Economic Geography (SB)
SGS 301: Principles of Global Studies (G)	POS 351: Democratization (SB & G)	GCU 442: Geographical Analysis of Transportation (SB)
	POS 364: National Security, Intelligence, and Terrorism (SB)	GPH 210: Society and Environment (G)
	POS 368: Ethics and Human Rights	

SGS 303: Global Trends (SB & G)	POS 410: Governing American Cities (SB)	JUS 320: Community and Social Justice (SB & C)
SGS 330: Globalization and the Environment: Problems and Solutions	PUP 301: Introduction to Urban Planning (L)	JUS 321: Wealth Distribution and Poverty (SB & C)
SGS 340: Violence, Conflict and Human Rights	PUP 430: Transportation Planning and the Environment	JUS 405: Inequality, Economy and Justice ((L or SB) & G)
SOC 333: Population (SB & G)	SGS 330: Globalization and the Environment: Problems and Solutions	JUS 430: Social Protest, Conflict, and Change ((L or SB) & C)
SOS 447: Gender, Culture, and Development ((L or SB) & G)	SOS 371: Inequality and Sustainability	JUS 444: Environment and Justice (L & C)
STS 330: Information Technology and Globalization (SB & G)	STS 325: Science, Technology, and Public Policy (SB)	PSY 306: Environmental Psychology (SB)
STS 332: Global Issues in Science and Technology (SB)	TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)	PSY 350: Social Psychology (SB)
TEM 431: Innovation Management		SGS 330: Globalization and the Environment: Problems and Solutions
TEM 450: Design for the Developing World		SOC 270: Racial and Ethnic Relations (SB & C)
TEM 455: Global Impact Entrepreneurship		SOC 331: Environmental Sociology (SB & G)
WST 378: Global Feminist Theory (L & G)		SOC 332: The Modern City (G)
		SOC 334: Technology and Society (L or SB)
		SOC 352: Social Change (SB & G & H)
		SOS 309: History and Philosophy of Sustainability or HST 308: History and Philosophy of Sustainability or PHI 322: History and Philosophy of Sustainability
		SOS 447: Gender, Culture, and Development ((L or SB) & G)
		SOS 467: Art and Ecology
		WST 375: Women and Social Change (SB & C)
		WST 380: Race, Gender, and Class (SB & C)
		WST 457: Women, Cultures, and Societies (SB & G)

#### Sustainable Urban Dynamics Track

##### Required Course:

SOS 323: Sustainable Urban Dynamics or  
SOS 465: Sustainable Urbanism

##### Electives:

ABS 260: Fundamentals of Sustainable Horticulture (SG)

ABS 364: Urban Forestry

ALA 100: Introduction to Environmental Design (HU & H & G)



ALA 102: Landscapes and Sustainability (HU & G)

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APH 300: World Architecture I/Western Cultures (HU & H & G)

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ASB 442: Global Cities (SB & G) or SBS 460: Global Cities (SB & G)

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CHE 469: Air Quality Engineering

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GCU 359: Cities of the World I (SB & G & H)

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GCU 361: Urban Geography (SB)

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GCU 425: Geography of the Mexican American Borderland ((L or SB) & G)

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GCU 442: Geographical Analysis of Transportation (SB)

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PAF 220: Introduction to Urban America

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PAF 240: Urban Policy (C)

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PAF 305: Urban Governance

---

PAF 351: Urban and Metropolitan Studies

---

PAF 352: Urban Theory

---

POS 410: Governing American Cities (SB)

---

POS 464: Border Cities: Action Research on Globalization (SB & G)

---

PUP 200: Cities in Cinema (HU & H & G)

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PUP 301: Introduction to Urban Planning (L)

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PUP 363: History of Planning

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PUP 410: Public Participation in Planning

---

PUP 430: Transportation Planning and the Environment

---

SOC 331: Environmental Sociology (SB & G)

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SOS 315: Energy Policy

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SOS 327: Sustainable Food and Farms

---

SOS 330: Sustaining the Commons (L)

---

SOS 414: Urban and Environmental Health (SB) or ASM 414: Environmental Health (SB)

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SOS 498: Designing a Living Building (L)

---

STS 325: Science, Technology, and Public Policy (SB)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Supply Chain Management, **BS**

School/College: W. P. Carey School of Business

Location:

BASCMBS

and









Sustainability,




**BA**

College of Global Futures

SUSUSTBA

In order to complete this concurrent degree in 4 years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SOS 191: Introduction to ASU and SOS for Freshmen OR WPC  101: Student Success in Business OR SOS 201: Introduction to ASU and Sustainability	1	C	<ul style="list-style-type: none"> <li>SOS 201 required of all Sustainability transfer students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam. <b>CLEP and AP credit</b> are also viable options for fulfilling the second language requirement</li> <li>A score of 4 or 5 on the AP Environmental Science exam fulfills the SOS 110 course requirement</li> </ul>
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
 MAT 210: Brief Calculus (MA)	3	C	
 SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Business Skills Courses: No Grades of D or E			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	17		

Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or organization</li> <li>Create your first college <b>resume</b></li> <li>Research <b>study abroad opportunities</b> recommended for your major</li> </ul>
 SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	

ENG 101 or ENG 102: First-Year Composition OR  
 ENG 105: Advanced First-Year Composition OR  
 ENG 107 or ENG 108: First-Year Composition

3 C

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

Business Skills Courses: No Grades of D or E

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.50 GPA ASU Cumulative.

Minimum 2.50 GPA in BM, SFS and SOS.

Term hours subtotal: 16

Summer 2 Session 1 33 - 40 Credit Hours	Hours	Minimum Grade	Notes
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PSY 101: Introduction to Psychology (SB) 3

Natural Science - Quantitative (SQ) 4

Term hours subtotal: 7

Summer 2 Session 2 40 - 43 Credit Hours	Hours	Minimum Grade	Notes
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ECN 212: Microeconomic Principles (SB) 3 C

Term hours subtotal: 3

Term 3 43 - 59 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 231: Uses of Accounting Information I 3 C

ECN 221: Business Statistics (CS) 3 C

SOS 220: Systems Thinking 3 C

SOS 232: Professional Skills in Sustainability Practice 3 C

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

Business Skills Courses: No Grades of D or E

Complete ECN 211 AND ECN 212.

Minimum 2.50 GPA ASU Cumulative.

Minimum 2.50 GPA in BM, SFS and SOS.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 59 - 76 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
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ACC 241: Uses of Accounting Information II 3 C

SCM 300: Global Supply Operations 3 C

Complete 2 courses:

SOS 321: Policy and Governance in Sustainable Systems OR SOS

322: International Development and Sustainability OR SOS 323:

Sustainable Urban Dynamics OR SOS 324: Sustainable Energy 6 C

Technology and Systems OR SOS 325: The Economics of

Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327:

Sustainable Food and Farms OR SOS 328: Sustainability and

Enterprise OR SOS 465: Sustainable Urbanism

- Explore career resources
- Select one of the following challenge area tracks: Policy and Governance in Sustainable Systems (SOS 321), International Development and Sustainability (SOS 322), or Sustainable Urban Dynamics (SOS 323 OR SOS 465).
- Students must complete the course that corresponds with the track they have chosen, as well as SOS 320 and any two

SOS 231: Careers in Sustainability	1	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
❗ Business Skills Courses: No Grades of D or E		
❗ Complete SOS 220 course(s).		
❗ Milestone: Select a Sustainability track		
❗ Minimum 2.50 GPA ASU Cumulative.		
❗ Minimum 2.50 GPA in BMY, SFS and SOS.		
Term hours subtotal:	17	

- additional track courses, for a total of 12 credit hours of track courses.
- Students must complete six credit hours of **challenge area/track electives** related to the track they select.
  - Meet with your Career Coaches.

Summer 4 Session 1 76 - 83 Credit Hours	Hours	Minimum Grade	Notes
WPC 300: Problem Solving and Actionable Analytics	3	C	
Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Summer 4 Session 2 83 - 86 Credit Hours	Hours	Minimum Grade	Notes
ENG 302: Business Writing (L)	3		
Term hours subtotal:	3		

Term 5 86 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 315: Business Decision Models	3	C	<ul style="list-style-type: none"> <li>• Attend <b>Career Fairs</b></li> <li>• Apply for <b>internships</b> or <b>create one</b></li> <li>• Complete <b>informational interviews</b></li> </ul>
★ SCM 345: Logistics Management	3	C	
MGT 300: Organization and Management Leadership	3	C	
SOS 311: Future Thinking and Strategies	3	C	
SOS 320: Society and Sustainability (L or SB)	3	C	
Upper Division International Development and Sustainability Track - Required Course OR Upper Division Policy and Governance in Sustainable Systems Track - Required Course OR Upper Division Sustainable Urban Dynamics Track - Required Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	18		

Term 6 104 - 122 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 355: Supply Management (L)	3	C	
★ SCM 432: Planning and Control Systems for Supply Chain Management	3	C	
★ SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course	3	C	
International Development and Sustainability Track - Elective OR			
★ Policy and Governance in Sustainable Systems Track - Elective OR Sustainable Urban Dynamics Track - Elective	3	C	
FIN 300: Fundamentals of Finance	3	C	
SOS 310: Equity, Justice and Sustainability	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Minimum 2.50 GPA ASU Cumulative.

★ Minimum 2.50 GPA in BMY, SFS and SOS.

Term hours subtotal: 18

Term 7 122 - 138 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 479: Supply Chain Strategy (L)	3	C	• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480.
LES 305: Business Law and Ethics for Managers	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 455: Research and Negotiation	3	C	
SOS 484: Capstone: Internship	4	B-	
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	16		

Term 8 138 - 153 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	• Apply for full-time career opportunities
SOS 498: Pro-Seminar (L)	3	B-	
Upper Division International Development and Sustainability Track - Elective OR Upper Division Policy and Governance in Sustainable Systems Track - Elective OR Upper Division Sustainable Urban Dynamics Track - Elective	3	C	
SOS Upper Division Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) AND Historical Awareness (H)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	15		

- Tracks available for the concurrent degree in Supply Chain Management and the BA in Sustainability:
  - Policy and Governance in Sustainable Systems
  - International Development and Sustainability
  - Sustainable Urban Dynamics

Students may choose any of the upper-division challenge area/track courses, but **must** complete at least the course that corresponds with the track they have chosen (e.g., if the Policy and Governance in Sustainable Systems track is chosen, students should choose SOS 321 and three other challenge area/track courses).

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)	International Development and Sustainability Track	Policy and Governance in Sustainable Systems Track
AGB 302: International Management and Agribusiness (G)	Required Course: SOS 322: International Development and Sustainability	Required Course: SOS 321: Policy and Governance in Sustainable Systems

ECN 306: Survey of International Economics (SB & G)	Electives:	Electives:
MGT 302: Principles of International Business (G)	AFR 340: The Making of Modern Africa (SB & G & H)	AGB 414: Food and Agribusiness Policy Issues (L)
MKT 425: Global Marketing Management (G)	ALT 412: Village Energy Systems	ABS 381: Natural Resources Policy
	ASB 100: Introduction to Global Health (SB & G)	BIO 412: Conservation in Practice
	FIS 337: Innovation and Global Development (G)	ECN 441: Public Economics (SB)
	GCU 364: Energy in the Global Arena (SB & G)	GCU 361: Urban Geography (SB)
	GPH 314: Global Change (HU & G)	GPH 314: Global Change (HU & G)
	JUS 325: Globalization and Socio-Economic Justice (SB & G) or SGS 325: Globalization and Socio-Economic Justice (SB & G)	HST 345: Environmental History (L)
	JUS 352: The Global Politics of Human Rights (SB & G)	JUS 332: Politics of Energy Policy and Justice
	POS 160: Global Politics (SB & G)	PAF 300: Public Management and Administration
	POS 368: Ethics and Human Rights	PAF 340: Contemporary Policy Challenges
	POS 486: International Political Economy (SB & G)	PHI 407: Environmental Philosophy and Policy (L or HU)
	SBS 480: Global Justice (G)	POS 160: Global Politics (SB & G)
	SGS 301: Principles of Global Studies (G)	POS 300: Contemporary Global Controversies (SB & G)
	SGS 303: Global Trends (SB & G)	POS 346: Problems of Democracy (HU)
	SOC 333: Population (SB & G)	POS 351: Democratization (SB & G)
	STS 330: Information Technology and Globalization (SB & G)	POS 364: National Security, Intelligence, and Terrorism (SB)
	STS 332: Global Issues in Science and Technology (SB)	POS 368: Ethics and Human Rights
	TEM 450: Design for the Developing World	POS 410: Governing American Cities (SB)
	TEM 455: Global Impact Entrepreneurship	PUP 301: Introduction to Urban Planning (L)
	WST 378: Global Feminist Theory (L & G)	PUP 430: Transportation Planning and the Environment
		SOS 371: Inequality and Sustainability
		STS 325: Science, Technology, and Public Policy (SB)
		TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)
<b>Sustainable Urban Dynamics Track</b>	<b>Business Skills Courses - No Grades of D or E</b>	
<b>Required Course:</b>	ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	
SOS 323: Sustainable Urban Dynamics or SOS 465: Sustainable Urbanism	ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	
<b>Electives:</b>		
ABS 260: Fundamentals of Sustainable Horticulture (SG)		

ABS 364: Urban Forestry	CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)
APH 300: World Architecture I/Western Cultures (HU & H & G)	
ALA 100: Introduction to Environmental Design (HU & H & G)	ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)
ALA 102: Landscapes and Sustainability (HU & G)	ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)
ASB 442: Global Cities (SB & G) or SBS 460: Global Cities (SB & G)	ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)
CHE 469: Air Quality Engineering	MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)
GCU 359: Cities of the World I (SB & G & H)	
GCU 361: Urban Geography (SB)	MAT 211: Mathematics for Business Analysis or MAT 271: Calculus with Analytic Geometry II (MA)
GCU 425: Geography of the Mexican American Borderland ((L or SB) & G)	
GCU 442: Geographical Analysis of Transportation (SB)	
PAF 220: Introduction to Urban America	
PAF 240: Urban Policy (C)	
PAF 305: Urban Governance	
PAF 351: Urban and Metropolitan Studies	
PAF 352: Urban Theory	
POS 410: Governing American Cities (SB)	
POS 464: Border Cities: Action Research on Globalization (SB & G)	
PUP 200: Cities in Cinema (HU & H & G)	
PUP 301: Introduction to Urban Planning (L)	
PUP 363: History of Planning	
PUP 410: Public Participation in Planning	
PUP 430: Transportation Planning and the Environment	
SBS 450: Topics in Local/Global (SB & G)	
SOS 414: Urban and Environmental Health (SB) or ASM 414: Environmental Health (SB)	
SOS 498: Designing a Living Building (L)	
STS 325: Science, Technology, and Public Policy (SB)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and



West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 153

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Sustainability, BA

School/College: [College of Global Futures](#)

Location: [Online, ASU Local@Los Angeles](#)

SUSUSTBA

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C	<ul style="list-style-type: none"> <li>• SOS 191 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• SOS 201 required of all Sustainability transfer students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3		<ul style="list-style-type: none"> <li>• View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.50 GPA in BMJ, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 23 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
SOS 110: Sustainable World (SB)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 2 - B 23 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOS 220: Systems Thinking	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete SOS 110 AND SOS 111 course(s).			
 Minimum 2.50 GPA in BMJ, SFS and SOS.			

⚠ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 7

Term 3 - A 30 - 37 Credit Hours	Hours	Minimum Grade	Notes
SOS 232: Professional Skills in Sustainability Practice	3	C	<ul style="list-style-type: none"> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.</li> <li>Develop your skills.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 3 - B 37 - 44 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
STP 226: Elements of Statistics (CS)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		
⚠ Minimum 2.50 GPA in BMY, SFS and SOS.			
⚠ Minimum 2.50 GPA ASU Cumulative.			
⚠ Complete Mathematics (MA) requirement.			

Term 4 - A 44 - 51 Credit Hours	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	<ul style="list-style-type: none"> <li>See track/group notes below for Challenge Area/Track requirement details</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 4 - B 51 - 58 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	<ul style="list-style-type: none"> <li>See track/group notes below for Challenge Area/Track requirement details</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
⚠ Milestone: Select a track.			

⚠ Minimum 2.50 GPA in BMY, SFS and SOS.

⚠ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 7




Term 5 - A 58 - 65 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOS 231: Careers in Sustainability	1	C	<ul style="list-style-type: none"><li>• See track/group notes below for Challenge Area/Track requirement details.</li><li>• Schedule an appointment with the <b>School of Sustainability Career Advisor</b> to review your resume.</li></ul>
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		



Term 5 - B 65 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 311: Future Thinking and Strategies	3	C	<ul style="list-style-type: none"><li>• See track/group notes below for Challenge Area/Track requirement details</li></ul>
Upper Division Track Required Course	3	C	
Literacy and Critical Inquiry (L)	3		
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 6 - A 74 - 80 Credit Hours	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	C	<ul style="list-style-type: none"><li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li><li>• Explore <b>internship opportunities</b> and schedule an appointment with the School of Sustainability Assistant Director of Internships and Experiential Education to discuss your interests.</li></ul>
Related Discipline Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 80 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Related Discipline Elective	3	C	<ul style="list-style-type: none"><li>• See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.</li><li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li></ul>
Track Elective Course	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 7 - A 89 - 98 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Discipline Elective	3	C	<ul style="list-style-type: none"> <li>• See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
Upper Division Track Elective Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	9		

Term 7 - B 98 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
SOS 498: Pro-Seminar (L)	3	B-	<ul style="list-style-type: none"> <li>• Schedule an appointment with the <a href="#">School of Sustainability Career Advisor</a> to discuss and refine your career search process.</li> </ul>
Upper Division Related Discipline Elective	3	C	
Elective	3		
Term hours subtotal:	9		
 Minimum 2.50 GPA in BMY, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			

Term 8 - A 107 - 113 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 484: Capstone: Internship	4	B-	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
Upper Division Elective	2		
Term hours subtotal:	6		

Term 8 - B 113 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
SOS Upper Division Elective	3	C	
Upper Division Elective	3		
Elective	1		
Term hours subtotal:	7		
 Minimum 2.50 GPA in BMY, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			

- BA Students must select one of the following challenge area tracks:
  - Society & Sustainability (SOS 320)
  - Policy and Governance in Sustainable Systems (SOS 321)
  - International Development and Sustainability (SOS 322)
  - Sustainable Urban Dynamics (SOS 323 or SOS 465)
- Students must declare a track by the end of Term 4
- Students must complete the one required track course for their chosen track.

- Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective course must be upper division.

Example: If the Society and Sustainability Track is chosen, students must complete SOS 320 and any three additional track courses by the end of Term 5.

More information on BA Tracks can be found [here](#).

Hide Course List(s)/Track Group(s)

International Development and Sustainability Track	Policy and Governance in Sustainable Systems Track	Society and Sustainability Track
Required Course:	Required Course:	Required Course:
SOS 322: International Development and Sustainability	SOS 321: Policy and Governance in Sustainable Systems	SOS 320: Society and Sustainability (L or SB)
Electives:	Electives:	Electives:
AGB 302: International Management and Agribusiness (G)	ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)	ASB 370: Ethics of Eating (L or SB)
ASB 100: Introduction to Global Health (SB & G)	BIO 412: Conservation in Practice	ENG 367: Environmental Issues in Literature and Film (L or HU)
GPH 314: Global Change (HU & G)	GCU 361: Urban Geography (SB)	GCU 350: The Geography of World Crises (SB & G)
JUS 352: The Global Politics of Human Rights (SB & G)	GPH 314: Global Change (HU & G)	GCU 351: Population Geography (SB & G)
OMT 440: International Business (G)	HST 345: Environmental History (L)	GCU 442: Geographical Analysis of Transportation (SB)
POS 160: Global Politics (SB & G)	PAF 300: Public Management and Administration	GPH 210: Society and Environment (G)
POS 368: Ethics and Human Rights	PAF 340: Contemporary Policy Challenges	PSY 350: Social Psychology (SB)
POS 486: International Political Economy (SB & G)	POS 160: Global Politics (SB & G)	SOC 270: Racial and Ethnic Relations (SB & C)
SGS 301: Principles of Global Studies (G)	POS 300: Contemporary Global Controversies (SB & G)	SOC 332: The Modern City (G)
SGS 303: Global Trends (SB & G)	POS 351: Democratization (SB & G)	SOC 334: Technology and Society (L or SB)
SGS 340: Violence, Conflict and Human Rights	POS 368: Ethics and Human Rights	SOC 352: Social Change (SB & G & H)
STS 330: Information Technology and Globalization (SB & G)	PUP 301: Introduction to Urban Planning (L)	WST 380: Race, Gender, and Class (SB & C)
STS 332: Global Issues in Science and Technology (SB)	PUP 430: Transportation Planning and the Environment	
TEM 431: Innovation Management		
TEM 450: Design for the Developing World		
TEM 455: Global Impact Entrepreneurship		
WST 378: Global Feminist Theory (L & G)		
Sustainable Urban Dynamics Track		

Required Course:

SOS 323: Sustainable Urban Dynamics or  
SOS 465: Sustainable Urbanism

Electives:

ALA 100: Introduction to Environmental  
Design (HU & H & G)

GCU 361: Urban Geography (SB)

GCU 442: Geographical Analysis of  
Transportation (SB)

PUP 200: Cities in Cinema (HU & H & G)

PUP 301: Introduction to Urban Planning (L)

PUP 363: History of Planning

PUP 410: Public Participation in Planning

PUP 430: Transportation Planning and the  
Environment

SOS 315: Energy Policy

SOS 327: Sustainable Food and Farms

SOS 414: Urban and Environmental Health  
(SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.0 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Sustainability, BS

School/College: [College of Global Futures](#)

Location: [Polytechnic campus](#), [Tempe campus](#)

SUSUSTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>SOS 191 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>SOS 201 required of all Sustainability transfer students.</li> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> </ul>	
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C		
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C		
 Minimum 2.50 GPA in BMY, SFS and SOS.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	14			
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		<ul style="list-style-type: none"> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
SOS 110: Sustainable World (SB)	3	C		
SOS 211: Calculus and Probability for the Life and Social Sciences (MA)	3	C		
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Complete SOS 110 AND SOS 111 course(s).				
 Minimum 2.50 GPA in BMY, SFS and SOS.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	

❖ SOS 220: Systems Thinking	3	C
SOS 212: Systems, Dynamics and Sustainability	3	C
SOS 232: Professional Skills in Sustainability Practice	3	C
Computer/Statistics/Quantitative Applications (CS)	3	
Natural Science - Quantitative (SQ)	4	
❖ Complete First-Year Composition requirement.		
❖ Minimum 2.50 GPA in BMY, SFS and SOS.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

- Create a first draft **resume** and start attending sustainability career-related **workshops and lectures**.

Term 4 46 - 63 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C
SOS 231: Careers in Sustainability	1	C
SOS 310: Equity, Justice and Sustainability	3	C
Upper Division Track Required Course	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
❖ Complete SOS 211 AND SOS 212 course(s).		
❖ Complete SOS 231 AND SOS 232 course(s).		
❖ Milestone: Select a track.		
❖ Minimum 2.50 GPA in BMY, SFS and SOS.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	17	

- See track/group notes below for Track requirement details.

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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Complete 2 courses: SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	6	C
SOS 311: Future Thinking and Strategies	3	C
Related Discipline Elective	3	C
Elective	3	
★ Minimum 2.50 GPA in BMY, SFS and SOS.		
★ Minimum 2.50 GPA ASU Cumulative.		

- See track/group notes below for Track requirement details.
- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.
- Meet with the **School of Sustainability Career Advisor** to review your resume.

Term hours subtotal: 15

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Related Discipline Elective	3	C	<ul style="list-style-type: none"> <li>• See track/group notes below for Track elective details.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Begin <a href="#">exploring internship opportunities</a> and meet with the School of Sustainability Assistant Director of Internships and Experiential Education to discuss your interests.</li> </ul>
Track Elective Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 484: Capstone: Internship	4	B-	<ul style="list-style-type: none"> <li>• See track/group notes below for Track elective details.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Meet with the School of Sustainability Career Advisor to discuss and refine your <a href="#">career search process</a>.</li> </ul>
Upper Division Related Discipline Elective	3	C	
Upper Division Track Elective Course	3	C	
Upper Division Elective	2		
Elective	3		
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 498: Pro-Seminar (L) OR SOS 493: Honors Thesis (L)	3	B-	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
SOS Upper Division Elective	3	C	
Upper Division Related Discipline Elective	3	C	
Upper Division Elective	3		
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- BS Students must select one of the following challenge area tracks:
  - Energy, Materials, and Technology (SOS 324)
  - Economics of Sustainability (SOS 325)
  - Sustainable Ecosystems (SOS 326)
- Students must declare a track by the end of Term 4
- Students must complete the one required track course for their chosen track.
- Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.

- Students must complete two track elective courses from their chosen track. At least one track elective must be upper division.

Example: If the Economics of Sustainability Track is chosen, students must complete SOS 325 and any three additional track courses by the end of Term 5.

More information on BS Tracks can be found [here](#).

Hide Course List(s)/Track Group(s)

Economics of Sustainability Track	Ecosystems Sustainability Track	Sustainable Energy, Materials, and Technology Track
<b>Required Course:</b>	<b>Required Course:</b>	<b>Required Course:</b>
SOS 325: The Economics of Sustainability	SOS 326: Sustainable Ecosystems	SOS 324: Sustainable Energy Technology and Systems
<b>Electives:</b>	<b>Electives:</b>	<b>Electives:</b>
ASB 316: Money and Culture (L or SB)	ABS 364: Urban Forestry	ALA 100: Introduction to Environmental Design (HU & H & G)
ECN 211: Macroeconomic Principles (SB)	ABS 370: Ecology	ALA 102: Landscapes and Sustainability (HU & G)
ECN 212: Microeconomic Principles (SB)	ABS 430: Watershed Management	ALT 435: Applied Photovoltaics
ECN 306: Survey of International Economics (SB & G)	ABS 481: Riparian and Wetland Restoration	APH 313: History of Architecture I ((L or HU) & G & H)
ECN 312: Intermediate Microeconomic Theory (SB)	BIO 181: General Biology I (SQ)	CEE 400: Earth Systems Engineering and Management ((L or HU) & H)
ECN 313: Intermediate Macroeconomic Theory (SB)	BIO 182: General Biology II (SG)	CHM 107: Chemistry and Society (SQ)
ECN 313: Intermediate Macroeconomic Theory (SB)	BIO 303: Plant Diversity and Evolution (L or SG)	CON 101: Construction and Culture: a Built Environment (HU & H)
ECN 345: Survey of Environmental and Resource Economics	BIO 304: Plants and Civilization (L) or PLB 302: Plants and Civilization (L)	ERM 201: Environmental Management
ECN 360: Economic Development (SB & G)	BIO 308: Plant Physiology	ERM 203: Environmental Regulations
ECN 413: Advanced Honors Macroeconomics	BIO 311: Biology and Society	ERM 302: Water and Wastewater Treatment Technology
ECN 414: Advanced Honors Microeconomics	BIO 313: The Flora of Arizona	ERM 401: Hazardous Waste Management
ECN 425: Introduction to Econometrics	BIO 320: Fundamentals of Ecology	ERM 426: Environmental Issues
ECN 436: International Trade Theory (SB & G)	BIO 322: Conservation of Biodiversity	ERM 428: International Environmental Management (G)
ECN 445: Environmental Economics	BIO 323: Ecosystem Restoration and Management	GCU 364: Energy in the Global Arena (SB & G)
GCU 441: Economic Geography (SB)	BIO 325: Oceanography or GLG 325: Oceanography	GPH 405: Energy and Environment
JUS 325: Globalization and Socio-Economic Justice (SB & G)	BIO 331: Animal Behavior	GPH 412: Physical Meteorology
POS 486: International Political Economy (SB & G)	BIO 370: Vertebrate Zoology	IND 242: Materials and Design
SGS 330: Globalization and the Environment: Problems and Solutions	BIO 386: General Entomology	SES 141: Energy In Everyday Life (SQ)
SOS 371: Inequality and Sustainability	BIO 410: Techniques in Conservation Biology and Ecology (L)	SOS 171: The Thread of Energy (SB & G)
	BIO 411: Quantitative Methods in Conservation and Ecology	SOS 181: Technological, Social, and Sustainable Systems (HU)
	BIO 412: Conservation in Practice	
	BIO 421: Landscape Ecology	
	BIO 423: Population and Community Ecology	

BIO 434: People and Nature: Ecosystem Services	SOS 315: Energy Policy
BIO 471: Ornithology	SOS 435: U.S. Energy: Pathways to Sustainability
BIO 472: Mammalogy	SOS 494: Renewable Energy
BIO 474: Herpetology	HST 302: Energy Transitions and Sustainability
CHM 302: Environmental Chemistry	
GLG 110: Dangerous World (SQ & G)	
GPH 314: Global Change (HU & G)	
HST 345: Environmental History (L)	
MIC 220: Biology of Microorganisms	
PLB 300: Plant Diversity and Evolution (L or SG)	
PLB 310: The Flora of Arizona	
SOS 372: Earth Science in Arizona and the Southwest	
SOS 374: Earth's Critical Zone	
SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G)	
SOS 414: Urban and Environmental Health (SB)	
SOS 429: Human Impacts on Ecosystem Functioning	
SOS 433: Sustainable Water Use	
SOS 476: Earth's Past Climates: The Key to our Sustainable Future	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map





### Sustainability, BS

School/College: [College of Global Futures](#)






Location: [Online, ASU Local@Los Angeles](#)

SUSUSTBS



Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C	<ul style="list-style-type: none"> <li>• SOS 191 or college-specific equivalent First-Year Seminar is required of all first-year students</li> <li>• SOS 201 required of all Sustainability transfer students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Term hours subtotal:	7		






Term 1 - B 7 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online First Time First-Year Student Registration Information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
 Minimum 2.50 GPA in BMY, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 2 - A 13 - 22 Credit Hours	Hours	Minimum Grade	Notes
SOS 110: Sustainable World (SB)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
SOS 211: Calculus and Probability for the Life and Social Sciences (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		






Term 2 - B 22 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
SOS 212: Systems, Dynamics and Sustainability	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110 AND SOS 111 course(s).			
 Minimum 2.50 GPA in BMY, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 7

Term 3 - A 29 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 220: Systems Thinking	3	C	<ul style="list-style-type: none"> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.</li> <li>• Develop your <b>skills</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
Term hours subtotal:	7		

Term 3 - B 36 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 232: Professional Skills in Sustainability Practice	3	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
 Minimum 2.50 GPA in BMY, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			
 Complete SOS 211 AND SOS 212 course(s).			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 43 - 50 Credit Hours	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	<ul style="list-style-type: none"> <li>• See track/group notes below for Challenge Area/Track requirement details</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 50 - 57 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 231: Careers in Sustainability	1	C	<ul style="list-style-type: none"> <li>• See track/group notes below for Challenge Area/Track requirement details</li> </ul>
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Milestone: Select a track.			
 Minimum 2.50 GPA in BMY, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	7		



Term 5 - A 57 - 66 Credit Hours	Hours	Minimum Grade	Notes
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism	3	C	<ul style="list-style-type: none"> <li>• See track/group notes below for Challenge Area/Track requirement details</li> <li>• Schedule an appointment with the <a href="#">School of Sustainability Career Advisor</a> to review your resume.</li> </ul>
Upper Division Track Required Course	3	C	
Elective	3		
Term hours subtotal:	9		

Term 5 - B 66 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	C	<ul style="list-style-type: none"> <li>• See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.</li> </ul>
Track Elective Course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	9		




Term 6 - A 75 - 84 Credit Hours	Hours	Minimum Grade	Notes
SOS 311: Future Thinking and Strategies	3	C	<ul style="list-style-type: none"> <li>• See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.</li> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> </ul>
Upper Division Track Elective Course	3	C	
Related Discipline Elective	3	C	
Term hours subtotal:	9		

Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Related Discipline Elective	3	C	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>• Explore <a href="#">internship opportunities</a> and schedule an appointment with the School of Sustainability Assistant Director of Internships and Experiential Education to discuss your interests.</li> </ul>
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 7 - A 90 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Discipline Elective	3	C	<ul style="list-style-type: none"> <li>• All students must complete 12 hours of approved Related Discipline courses. A</li> </ul>

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Elective	3
Term hours subtotal:	9

Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.

Term 7 - B 99 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
SOS 498: Pro-Seminar (L)	3	B-	<ul style="list-style-type: none"> <li>All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.</li> <li>Schedule an appointment with the <a href="#">School of Sustainability Career Advisor</a> to discuss and refine your career search process.</li> </ul>
Upper Division Related Discipline Elective	3	C	
 Minimum 2.50 GPA in BMY, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 8 - A 105 - 114 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 484: Capstone: Internship	4	B-	
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
SOS Upper Division Elective	3	C	
Upper Division Elective	3		
 Minimum 2.50 GPA in BMY, SFS and SOS.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	6		

- BS Students must select one of the following challenge area tracks:
    - Energy, Materials, and Technology (SOS 324)
    - Economics of Sustainability (SOS 325)
    - Sustainable Ecosystems (SOS 326)
  - Students must declare a track by the end of Term 4
  - Students must complete the one required track course for their chosen track.
  - Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
  - Students must complete two track elective courses from their chosen track. At least one track elective must be upper division.

Example: If the Economics of Sustainability Track is chosen, students must complete SOS 325 and any three additional track courses by the end of Term 5.

More information on BS Tracks can be found [here](#).

Hide Course List(s)/Track Group(s)

Economics of Sustainability Track

Ecosystems Sustainability Track  
Academic Catalog Archive 2021-2022

Required Course:	Required Course:	Sustainable Energy, Materials, and Technology Track
SOS 325: The Economics of Sustainability	SOS 326: Sustainable Ecosystems	Required Course:
Electives:	Electives:	SOS 324: Sustainable Energy Technology and Systems
ASB 316: Money and Culture (L or SB)	BIO 181: General Biology I (SQ)	Electives:
ECN 211: Macroeconomic Principles (SB)	BIO 182: General Biology II (SG)	ALA 100: Introduction to Environmental Design (HU & H & G)
ECN 212: Microeconomic Principles (SB)	BIO 304: Plants and Civilization (L)	CHM 107: Chemistry and Society (SQ)
ECN 306: Survey of International Economics (SB & G)	BIO 320: Fundamentals of Ecology	HST 302: Energy Transitions and Sustainability
ECN 312: Intermediate Microeconomic Theory (SB)	BIO 331: Animal Behavior	SES 141: Energy In Everyday Life (SQ)
ECN 313: Intermediate Macroeconomic Theory (SB)	BIO 370: Vertebrate Zoology	SOS 171: The Thread of Energy (SB & G)
ECN 360: Economic Development (SB & G)	BIO 412: Conservation in Practice	SOS 315: Energy Policy
ECN 436: International Trade Theory (SB & G)	GLG 110: Dangerous World (SQ & G)	SOS 494: Renewable Energy
POS 486: International Political Economy (SB & G)	GPH 314: Global Change (HU & G)	
	HST 345: Environmental History (L)	
	MIC 220: Biology of Microorganisms	
	SOS 414: Urban and Environmental Health (SB)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.0 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Sustainable Food Systems, BS

School/College: [College of Global Futures](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [Tempe campus](#)

SUSFOSYSBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>SOS 191 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>SOS 201 required of all Sustainability transfer students.</li> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> </ul>	
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C		
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C		
 Minimum 2.50 GPA in BMY, SFS and SOS.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	14			
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		<ul style="list-style-type: none"> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a <b>placement or proficiency exam</b>, regardless of prior credit earned. <b>CLEP and AP</b> credit are also viable options for fulfilling the second language requirement.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
SOS 110: Sustainable World (SB)	3	C		
SOS 211: Calculus and Probability for the Life and Social Sciences (MA)	3	C		
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Complete SOS 110 AND SOS 111 course(s).				
 Minimum 2.50 GPA in BMY, SFS and SOS.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:	16			
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	

❖ SOS 220: Systems Thinking	3	C
CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4	
SFS 215: Fundamentals of U.S. Food and Agriculture	3	C
SOS 212: Systems, Dynamics and Sustainability Computer/Statistics/Quantitative Applications (CS)	3	C
❖ Complete First-Year Composition requirement.		
❖ Minimum 2.50 GPA in BMY, SFS and SOS.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

- Create a first draft **resume**.
- Start attending sustainability career-related **workshops and lectures**.

Term 4 46 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
NTR 241: Human Nutrition	3	C	• Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.
SFS 216: Subsectors of U.S. Food and Agriculture	3	C	
SOS 182: Water Planet (SQ)	4	C	
SOS 231: Careers in Sustainability	1	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
❖ Complete SFS 215 AND SFS 216 course(s).			
❖ Complete SOS 211 AND SOS 212 course(s).			
❖ Minimum 2.50 GPA in BMY, SFS and SOS.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	C	• Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.
SOS 311: Future Thinking and Strategies	3	C	
SOS 326: Sustainable Ecosystems	3	C	
SOS 327: Sustainable Food and Farms	3	C	
Skills Elective	3	C	
★ Minimum 2.50 GPA in BMY, SFS and SOS.			• Meet with the <b>School of Sustainability Career Advisor</b> to review your resume.
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Focus Area Course	3	C	• Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.
Focus Area Course	3	C	
Skills Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			• Begin <b>exploring internship opportunities</b> and meet with the School of Sustainability

★ Minimum 2.50 GPA in BMY, SFS and SOS.

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Assistant Director of Internships and Experiential Education to discuss your interests.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SFS 484: Internship	4	B-	<ul style="list-style-type: none"> <li>Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> <li>Meet with the School of Sustainability Career Advisor to discuss and refine your <b>career search process</b>.</li> </ul>
Upper Division Focus Area Course	3	C	
Complete 2 courses:	5		
Upper Division Elective			
Elective	3		
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:			15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
SFS 498: Pro-Seminar (L)	3	B-	<ul style="list-style-type: none"> <li>Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> </ul>
Upper Division Focus Area Course	3	C	
Complete 3 courses:	9		
Upper Division Elective			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:			15

- Students must select one of the following focus areas:
  - Procurement
  - Ecosystem Science
  - Business & Innovation
  - Educational Leadership
  - Global Engagement
  - Policy & Governance
  - Public Health & Nutrition
- Students must declare a focus area by the end of Term 4.

Hide Course List(s)/Track Group(s)

Skills Electives	Procurement	Ecosystem Science
AME 130: Prototyping Dreams (L)	AGB 250: Economics of Resource Allocation: Food and Agriculture	ABS 207: Applied Plant Taxonomy
CIS 105: Computer Applications and Information Technology (CS)	AGB 425: Food Supply Networks	ABS 260: Fundamentals of Sustainable Horticulture (SG)
CIS 300: Web Design and Development	AGB 435: Commodity Futures and Options Markets	ABS 270: Sustainable Biological Systems
COM 225: Public Speaking (L)	AGB 445: Food Retailing	ABS 314: Applied Plant Physiology
COM 459: Theory and Methods of Social Media Networks	AGB 456: Food Product Innovation and Development	ABS 318: Unseen Life on Earth
ECN 211: Macroeconomic Principles (SB)		ABS 368: Plant Propagation
		ABS 370: Ecology

ECN 212: Microeconomic Principles (SB)	AGB 481: Strategic Pricing in Food Markets	ABS 380: Restoration and Wildlife Plants
ENG 216: Persuasive Writing on Public Issues (L)	NTR 142: Applied Food Principles	ABS 394: Food and Human Health
FIS 305: Ways of Knowing (L)	NTR 343: Food Service Purchasing	ABS 452: Commercial Applications of Fermentation
GIS 205: Geographic Information Science I (CS)	NTR 344: Nutrition Management and Leadership (L)	ABS 460: Organic Gardening
GIS 211: Geographic Information Science II (CS)	NTR 445: Management of Food Service Systems	ABS 464: Desert Horticulture
MGT 430: Negotiations	NTR 455: Retail Food Service Operations	BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ)
NLM 300: Fund Raising and Resource Development	OGL 326: Project Procurement Management	BIO 108: Concepts in Plant Biology (SQ)
OGL 240: Introduction to Project Management	SOS 328: Sustainability and Enterprise	BIO 130: Introduction to Environmental Science (SQ)
SOS 232: Professional Skills in Sustainability Practice	SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II	BIO 182: General Biology II (SG)
SST 220: Introduction to Social Transformation	SOS 498: Interventions on Sustainable Consumption on Campus (L)	BIO 304: Plants and Civilization (L)
	SOS 498: Sustainable Food Economy (L)	BIO 320: Fundamentals of Ecology
	TDM 481: Sustainable Food Management in Tourism	BIO 322: Conservation of Biodiversity
		BIO 386: General Entomology
		BIO 418: Soil Ecology
		BIO 434: People and Nature: Ecosystem Services
		CEE 181: Technological, Social, and Sustainable Systems (HU)
		PLB 302: Plants and Civilization (L)
		SES 106: Habitable Worlds (SQ)
		SOS 314: Basic Energy Science
		SOS 429: Human Impacts on Ecosystem Functioning or BIO 429: Human Impacts on Ecosystem Functioning
<b>Business &amp; Innovation (at least 2 courses must be from AGB, BUS, CIS, ECN, ENT, MGT, MKT or SCM)</b>	<b>Educational Leadership</b>	<b>Global Engagement</b>
AGB 100: Introduction to Agribusiness	CDE 232: Human Development (SB)	AGB 302: International Management and Agribusiness (G)
AGB 250: Economics of Resource Allocation: Food and Agriculture	CDE 337: Early Childhood Intervention	AGB 452: Global Food and Agricultural Trade
AGB 302: International Management and Agribusiness (G)	ECD 211: The Developing Child: Theory into Practice, Prenatal-Grade 3 (SB)	AIS 180: Introduction to American Indian Studies (C)
AGB 321: Agribusiness Marketing	ECD 220: Introduction to Nutrition, Health and Safety	AIS 320: American Indian Philosophies and World Views (HU & C)
AGB 333: Agribusiness Finance	EDP 310: Children and Poverty (SB)	AIS 480: Actualizing Decolonization (HU & C & G)
AGB 366: Agribusiness Production Technologies	EDP 310: Developing as a Leader (SB)	ASB 305: Poverty and Global Health ((L or SB) & G)
	EDP 310: Educational Psychology for Non-Teachers (SB)	
	EDP 310: Motivation (SB)	



AGB 414: Food and Agribusiness Policy Issues (L)	EDP 310: Multicultural Issues (SB)	GCU 121: World Geography (SB & G)
AGB 420: Food Advertising and Promotion	HEP 102: Foundations of Health Education and Health Promotion	GCU 432: Geography of China (SB & G)
AGB 425: Food Supply Networks	NTR 343: Food Service Purchasing	JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G)
AGB 435: Commodity Futures and Options Markets	NTR 344: Nutrition Management and Leadership (L)	JHR 484: Human Trafficking
AGB 445: Food Retailing	NTR 445: Management of Food Service Systems	POS 160: Global Politics (SB & G)
AGB 452: Global Food and Agricultural Trade	OGL 200: Introduction to Organizational Leadership (SB)	POS 240: Introduction to Southeast Asia ((HU or SB) & G)
AGB 456: Food Product Innovation and Development	OGL 220: Behavioral Dynamics in Organizations (SB)	POS 260: Current Issues in International Politics ((L or SB) & G)
AGB 481: Strategic Pricing in Food Markets	OGL 260: Resource Allocation in Organizations	POS 300: Contemporary Global Controversies (SB & G)
BUS 424: Sales and Negotiations	OGL 355: Leading Organizational Innovation and Change	POS 348: Do You Want to Build a Nation? (L)
BUS 434: Business Risk Management	SCN 209: Introduction to Environmental Education Project	POS 367: World Politics and Global Inequalities (G)
ENT 305: Principles of Entrepreneurship	SCN 300: Foundations of Environmental Education	POS 454: Mexico (SB & G)
ENT 340: Creativity and Innovation (L or HU)	SCN 301: Ecology and Natural History of the Sonoran Desert (SG)	POS 480: Global Justice (G)
ENT 360: Entrepreneurship and Value Creation	SCN 302: Environmental Education (L & G)	SGS 203: Contemporary Global Trends (SB & G)
FIS 308: Politics, Markets and Innovation (SB)	TEL 111: Exploration of Education (SB)	SOS 322: International Development and Sustainability
MKT 300: Marketing and Business Performance	TEL 215: Introduction to Child and Adolescent Development (SB)	SOS 456: Human Rights and Sustainability ((L or SB) & G)
MKT 390: Essentials of Marketing	TEL 405: History of Education and Policy Reform in the United States	STS 329: Technology in Developing Countries (SB & G)
MKT 391: Essentials of Selling	USL 210: Service Learning: Intro to Diverse Community Issues (L & C)	STS 332: Global Issues in Science and Technology (SB)
MKT 395: Essentials of Advertising and Marketing Communication	USL 402: Service Learning: Education & Youth (C)	TEM 450: Design for the Developing World
MKT 435: Entrepreneurial Marketing		
NTR 343: Food Service Purchasing		
NTR 455: Retail Food Service Operations		
SOS 328: Sustainability and Enterprise		
SOS 385: Business and Sustainability I or SCM 385: Business and Sustainability I		
SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II		
STS 329: Technology in Developing Countries (SB & G)		
TDM 481: Sustainable Food Management in Tourism		
TEM 455: Global Impact Entrepreneurship		
Policy & Governance	Public Health & Nutrition	

AGB 414: Food and Agribusiness Policy Issues (L)	AGB 414: Food and Agribusiness Policy Issues (L)
AGB 452: Global Food and Agricultural Trade	AGB 420: Food Advertising and Promotion
JUS 214: The Pursuit of Justice in the 21st Century (SB)	AGB 425: Food Supply Networks
PAF 201: Economics and Public Policy (SB)	ASB 100: Introduction to Global Health (SB & G)
PAF 340: Contemporary Policy Challenges	ASB 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H)
PAF 420: Managing Across Boundaries	
POS 216: State and Local Government (SB)	ASB 305: Poverty and Global Health ((L or SB) & G)
POS 230: Current Issues in National Politics (L or SB)	
POS 310: American National Government (SB)	ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)
POS 313: The Congress (SB)	
POS 325: Public Policy Development (SB)	BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ)
POS 333: Interest Groups (SB)	BIO 182: General Biology II (SG)
POS 417: Arizona Politics (SB)	HCI 311: Health Innovation: Foundational Concepts
POS 471: Constitutional Law I (SB)	HCR 230: Culture and Health (C & G)
POS 472: Constitutional Law II (SB)	HSC 355: Eating for Lifelong Health (SB)
POS 480: Global Justice (G)	NTR 142: Applied Food Principles
SOS 321: Policy and Governance in Sustainable Systems	NTR 320: History of Human Nutrition
SOS 322: International Development and Sustainability	NTR 343: Food Service Purchasing
SOS 456: Human Rights and Sustainability ((L or SB) & G)	NTR 344: Nutrition Management and Leadership (L)
	NTR 348: Cultural Aspects of Food (SB & C & G)
	NTR 351: Nutrition Communication (L)
	NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability
	NTR 445: Management of Food Service Systems
	NTR 448: Community Nutrition (L)
	NTR 450: Nutrition in the Life Cycle (SB)
	NTR 455: Retail Food Service Operations
	PBH 422: Health Disparities and Access to Health
	POP 100: Introduction to Population Health
	SOS 370: Ethics of Eating (L or SB)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Sustainable Food Systems, BS

School/College: [College of Global Futures](#)

Location: [Online, ASU Local@Los Angeles](#)

SUSFOSYSBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability	1	C	<ul style="list-style-type: none"> <li>• SOS 191 or college-specific equivalent First-Year Seminar is required of all first-year students</li> <li>• SOS 201 required of all Sustainability transfer students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	6		
Term 2 - A 13 - 22 Credit Hours	Hours	Minimum Grade	Notes
SOS 110: Sustainable World (SB)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
SOS 211: Calculus and Probability for the Life and Social Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	9		
Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4	C	
SOS 212: Systems, Dynamics and Sustainability	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110 AND SOS 111 course(s).			

⚠ Minimum 2.50 GPA ASU Cumulative.

⚠ Minimum 2.50 GPA in BMY, SFS and SOS.

Term hours subtotal: 7

Term 3 - A 29 - 38 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SOS 220: Systems Thinking	3	C	• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.
NTR 241: Human Nutrition	3	C	
SFS 215: Fundamentals of U.S. Food and Agriculture	3	C	
Term hours subtotal:	9		




Term 3 - B 38 - 47 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ Computer/Statistics/Quantitative Applications (CS)	3		
SFS 216: Subsectors of U.S. Food and Agriculture	3	C	
Skills Elective	3	C	
⚠ Complete First-Year Composition requirement.			
⚠ Complete SOS 211 AND SOS 212 course(s).			
⚠ Minimum 2.50 GPA ASU Cumulative.			
⚠ Minimum 2.50 GPA in BMY, SFS and SOS.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 47 - 55 Credit Hours	Hours	Minimum Grade	Notes
SOS 231: Careers in Sustainability	1	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	8		

Term 4 - B 55 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
SOS 182: Water Planet (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
⚠ Complete SFS 215 AND SFS 216 course(s).			
⚠ Minimum 2.50 GPA ASU Cumulative.			
⚠ Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	8		

Term 5 - A 63 - 72 Credit Hours	Hours	Minimum Grade	Notes
SOS 310: Equity, Justice and Sustainability	3	C	• Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their <b>academic advisor</b> to craft a unique focus area.
SOS 326: Sustainable Ecosystems	3	C	
Focus Area Course	3	C	
Term hours subtotal:	9		




- Schedule an appointment with the School of Sustainability Career Advisor to review your resume.

<b>Term 5 - B 72 - 81 Credit Hours</b> <b>Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
SOS 311: Future Thinking and Strategies	3	C	<ul style="list-style-type: none"> <li>• Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> </ul>
SOS 327: Sustainable Food and Farms	3	C	
Skills Elective	3	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	9		

<b>Term 6 - A 81 - 90 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Upper Division Focus Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	9		

<b>Term 6 - B 90 - 96 Credit Hours</b> <b>Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> <li>• Explore <b>internship opportunities</b> and schedule an appointment with the School of Sustainability Internship and Experiential Education Specialist to discuss your interests.</li> </ul>
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	6		

<b>Term 7 - A 96 - 103 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
SFS 484: Internship	4	B-	<ul style="list-style-type: none"> <li>• Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.</li> </ul>
Upper Division Focus Area Course	3	C	
Term hours subtotal:	7		

<b>Term 7 - B 103 - 108 Credit Hours</b> <b>Necessary course signified by</b> 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Upper Division Elective	2		<ul style="list-style-type: none"> <li>• Schedule an appointment with the School of Sustainability Career Advisor to discuss and refine your career search process.</li> </ul>
Elective	3		
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	5		

<b>Term 8 - A 108 - 114 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
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SFS 498: Pro-Seminar (L)	3	B-
Upper Division Focus Area Course	3	C
Term hours subtotal:	6	

- Students will select one focus area and complete 12 credits of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
★ Minimum 2.50 GPA ASU Cumulative.			
★ Minimum 2.50 GPA in BMY, SFS and SOS.			
Term hours subtotal:	6		

- Students must select one of the following focus areas:
  - Procurement
  - Ecosystem Science
  - Business & Innovation
  - Educational Leadership
  - Global Engagement
  - Policy & Governance
  - Public Health & Nutrition
- Students must declare a focus area by the end of Term 4.

Hide Course List(s)/Track Group(s)

Skills Electives	Procurement	Ecosystem Science
CIS 105: Computer Applications and Information Technology (CS)	AGB 250: Economics of Resource Allocation: Food and Agriculture	ABS 270: Sustainable Biological Systems
CIS 300: Web Design and Development	AGB 425: Food Supply Networks	BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ)
COM 225: Public Speaking (L)	AGB 435: Commodity Futures and Options Markets	BIO 108: Concepts in Plant Biology (SQ)
ECN 211: Macroeconomic Principles (SB)	AGB 445: Food Retailing	BIO 130: Introduction to Environmental Science (SQ)
ECN 212: Microeconomic Principles (SB)	AGB 456: Food Product Innovation and Development	BIO 182: General Biology II (SG)
ENG 216: Persuasive Writing on Public Issues (L)	AGB 481: Strategic Pricing in Food Markets	BIO 304: Plants and Civilization (L)
GIS 205: Geographic Information Science I (CS)	NTR 142: Applied Food Principles	BIO 320: Fundamentals of Ecology
GIS 211: Geographic Information Science II (CS)	NTR 343: Food Service Purchasing	BIO 322: Conservation of Biodiversity
MGT 430: Negotiations	NTR 344: Nutrition Management and Leadership (L)	PLB 302: Plants and Civilization (L)
OGL 240: Introduction to Project Management	NTR 445: Management of Food Service Systems	SES 106: Habitable Worlds (SQ)
SOS 232: Professional Skills in Sustainability Practice	NTR 455: Retail Food Service Operations	SOS 314: Basic Energy Science
	OGL 326: Project Procurement Management	
	SOS 328: Sustainability and Enterprise	

	SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II	
	SOS 498: Interventions on Sustainable Consumption on Campus (L)	
	SOS 498: Sustainable Food Economy (L)	
<b>Business &amp; Innovation (at least 2 courses must be from AGB, BUS, CIS, ECN, ENT, MGT, MKT or SCM)</b>	<b>Educational Leadership</b>	<b>Global Engagement</b>
AGB 250: Economics of Resource Allocation: Food and Agriculture	CDE 232: Human Development (SB)	AGB 302: International Management and Agribusiness (G)
AGB 302: International Management and Agribusiness (G)	ECD 220: Introduction to Nutrition, Health and Safety	ASB 305: Poverty and Global Health ((L or SB) & G)
AGB 420: Food Advertising and Promotion	EDP 310: Children and Poverty (SB)	GCU 121: World Geography (SB & G)
AGB 425: Food Supply Networks	EDP 310: Developing as a Leader (SB)	GCU 432: Geography of China (SB & G)
AGB 435: Commodity Futures and Options Markets	EDP 310: Educational Psychology for Non-Teachers (SB)	POS 160: Global Politics (SB & G)
AGB 445: Food Retailing	EDP 310: Motivation (SB)	POS 240: Introduction to Southeast Asia ((HU or SB) & G)
AGB 456: Food Product Innovation and Development	EDP 310: Multicultural Issues (SB)	POS 260: Current Issues in International Politics ((L or SB) & G)
AGB 481: Strategic Pricing in Food Markets	HEP 102: Foundations of Health Education and Health Promotion	POS 300: Contemporary Global Controversies (SB & G)
ENT 360: Entrepreneurship and Value Creation	NTR 343: Food Service Purchasing	POS 348: Do You Want to Build a Nation? (L)
MKT 300: Marketing and Business Performance	NTR 344: Nutrition Management and Leadership (L)	SOS 322: International Development and Sustainability
MKT 390: Essentials of Marketing	NTR 445: Management of Food Service Systems	STS 329: Technology in Developing Countries (SB & G)
MKT 391: Essentials of Selling	OGL 200: Introduction to Organizational Leadership (SB)	STS 332: Global Issues in Science and Technology (SB)
NTR 343: Food Service Purchasing	OGL 220: Behavioral Dynamics in Organizations (SB)	TEM 450: Design for the Developing World
NTR 455: Retail Food Service Operations	OGL 260: Resource Allocation in Organizations	
SOS 328: Sustainability and Enterprise	OGL 355: Leading Organizational Innovation and Change	
SOS 385: Business and Sustainability I or SCM 385: Business and Sustainability I	SCN 300: Foundations of Environmental Education	
SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II	TEL 111: Exploration of Education (SB)	
STS 329: Technology in Developing Countries (SB & G)	TEL 215: Introduction to Child and Adolescent Development (SB)	
TDM 481: Sustainable Food Management in Tourism	TEL 405: History of Education and Policy Reform in the United States	
TEM 455: Global Impact Entrepreneurship	USL 210: Service Learning: Intro to Diverse Community Issues (L & C)	
<b>Policy &amp; Governance</b>	<b>Public Health &amp; Nutrition</b>	
JUS 214: The Pursuit of Justice in the 21st Century (SB)	AGB 420: Food Advertising and Promotion	



PAF 201: Economics and Public Policy (SB)	AGB 425: Food Supply Networks
PAF 340: Contemporary Policy Challenges	ASB 100: Introduction to Global Health (SB & G)
PAF 420: Managing Across Boundaries	ASB 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H)
POS 216: State and Local Government (SB)	ASB 305: Poverty and Global Health ((L or SB) & G)
POS 310: American National Government (SB)	ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)
POS 313: The Congress (SB)	BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ)
POS 325: Public Policy Development (SB)	BIO 182: General Biology II (SG)
POS 333: Interest Groups (SB)	HCI 311: Health Innovation: Foundational Concepts
POS 471: Constitutional Law I (SB)	HCR 230: Culture and Health (C & G)
POS 472: Constitutional Law II (SB)	HSC 355: Eating for Lifelong Health (SB)
SOS 321: Policy and Governance in Sustainable Systems	NTR 142: Applied Food Principles
SOS 322: International Development and Sustainability	NTR 320: History of Human Nutrition
	NTR 343: Food Service Purchasing
	NTR 344: Nutrition Management and Leadership (L)
	NTR 348: Cultural Aspects of Food (SB & C & G)
	NTR 351: Nutrition Communication (L)
	NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability
	NTR 445: Management of Food Service Systems
	NTR 450: Nutrition in the Life Cycle (SB)
	NTR 455: Retail Food Service Operations
	PBH 422: Health Disparities and Access to Health
	POP 100: Introduction to Population Health
	SOS 370: Ethics of Eating (L or SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Global Management - Internatl Business & Culture, **BGM**

School/College: [Thunderbird School of Global Management](#)

Location: [Online, ASU Local@Los Angeles](#)

TBTGMBGM

Term 1 - A 0 - 10 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 101: Principles of Global Management (G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Create your <a href="#">Linkedin profile</a></li> <li>Create your <a href="#">Handshake profile</a></li> </ul>
ASU 101-ONL: The ASU Experience	1		
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	10		
Term 1 - B 10 - 16 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Join a <a href="#">student club</a></li> <li>Secure a <a href="#">part-time job</a></li> </ul>
Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 2 - A 16 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 204: Principles of Marketing for Global Organizations	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 22 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	9		
Term 3 - A 31 - 40 Credit Hours	Hours	Minimum Grade	Notes
COM 225: Public Speaking (L)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	


TGM 200: Principles of Accounting for Global Organizations 3 C

Term hours subtotal: 9

Term 3 - B 40 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ) 4

 Complete First-Year Composition requirement.

 Complete Mathematics (MA) requirement.

Term hours subtotal: 4

- Develop your **skills**

Term 4 - A 44 - 50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 STP 226: Elements of Statistics (CS) 3 C

Humanities, Arts and Design (HU) 3

Term hours subtotal: 6

Term 4 - B 50 - 60 Credit Hours	Hours	Minimum Grade	Notes
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ECN 212: Microeconomic Principles (SB) 3 C


Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Elective 3

Term hours subtotal: 10

- Minimum 2.50 ASU cumulative GPA is required to register for LES 305 in Term 5A.
- Term 5 or Term 6 are preferred for study abroad. Meet with your advisor to plan for the best study abroad options for your major.


Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) 3 C

ENG 301: Writing for the Professions (L) 3

TGM 312: Big Data in the Global Economy 3 C

Term hours subtotal: 9

Term 5 - B 69 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TGM 468: States and Markets in a Global Economy (SB & G) 3 C

TGM 391: Global Business and Professional Development Skills 1 C

Elective 3

Term hours subtotal: 7

- Work with your academic advisor to start planning for your required international **internship**


Term 6 - A 76 - 85 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 TGM 353: Regional Management Environment (G) 3 C


TGM 300: Principles of Finance for Global Organizations 3 C

Elective 3

Term hours subtotal: 9

Term 6 - B 85 - 88 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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Elective 3

 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 3

- Work with your academic advisor to start planning for your required international **internship**
- Research **employment opportunities**

- Complete an in person or virtual **practice interview**

Term 7 - A 88 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TGM 484: Internship	3-6	C	• An international internship experience is required.
Elective	3		
Term hours subtotal:	6-9		

Term 7 - B 94 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TGM 489: Multinational Organizational Leadership	3	C	• Gather <b>professional references</b> • Apply for <b>full-time career opportunities</b>
TGM 487: Global Entrepreneurship	3	C	
Complete 2 courses: Upper Division Elective	5		
Term hours subtotal:	11		

Term 8 - A 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TGM 498: Pro-Seminar (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
TGM 478: Cross-Cultural Communication and Negotiation	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map



### Global Management - Internatl Business & Culture, **BGM**





School/College: Thunderbird School of Global Management

Location: West campus

TBTGMBGM




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 101: Principles of Global Management (G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Create a first draft <b>resume</b>.</li> <li>Create your <b>LinkedIn Profile</b>.</li> <li>Create your <b>Handshake profile</b>.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 210: Brief Calculus (MA)	3	C	
TGM 191: First-Year Seminar	1		
Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 204: Principles of Marketing for Global Organizations	3	C	<ul style="list-style-type: none"> <li>Build your professional connections-- join the <b>ASU Mentor Network</b></li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 200: Principles of Accounting for Global Organizations	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
COM 225: Public Speaking (L)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 47 - 63 Credit Hours Critical course signified by 	Hours	Grade	Notes
 STP 226: Elements of Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Minimum 2.50 ASU cumulative GPA is required to register for LES 305 in term 5.</li> <li>• Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major.</li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 406: Moral Dilemmas (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Work with your academic advisor to start planning your required <b>internship experience</b> in Term 7.</li> <li>• Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major.</li> </ul>
 TGM 391: Global Business and Professional Development Skills	1	C	
 TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
ENG 301: Writing for the Professions (L)	3		
TGM 312: Big Data in the Global Economy	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 6 79 - 94 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TGM 353: Regional Management Environment (G)	3	C	<ul style="list-style-type: none"> <li>• Work with your academic advisor to start planning your required <b>internship experience</b> in Term 7.</li> <li>• Research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
TGM 300: Principles of Finance for Global Organizations	3	C	
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TGM 484: Internship	3-6	C	<ul style="list-style-type: none"> <li>• An internship experience is required.</li> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
 TGM 487: Global Entrepreneurship	3	C	
 TGM 489: Multinational Organizational Leadership	3	C	
Complete 2 courses:	5		
Upper Division Elective			
Term hours subtotal:	14-17		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TGM 478: Cross-Cultural Communication and Negotiation	3	C	
 TGM 498: Pro-Seminar (L)	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	12		



Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Global Management - Intl Business, Lang & Culture, **BGM**





School/College: [Thunderbird School of Global Management](#)

Location: [West campus](#)

TBTGMBGM



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 101: Principles of Global Management (G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language, elective credits may require adjustment. See advisor.</li> <li>Create a first draft <a href="#">resume</a>.</li> <li>Create your <a href="#">LinkedIn profile</a>.</li> <li>Create your <a href="#">Handshake profile</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
TGM 191: First-Year Seminar	1		
Foreign Language I	4-5	C	
Term hours subtotal:	14-15		



Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 204: Principles of Marketing for Global Organizations	3	C	<ul style="list-style-type: none"> <li>Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language; elective credits may require adjustment. See advisor.</li> <li>Network in your <a href="#">career interest communities</a>.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> <li>Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3		
Cultural Diversity in the U.S. (C)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Foreign Language II	4-5	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		




Term 3 30 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 200: Principles of Accounting for Global Organizations	3	C	<ul style="list-style-type: none"> <li>Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language, elective credits may require adjustment. See advisor.</li> </ul>
COM 225: Public Speaking (L)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	
Foreign Language III	4-5	C	
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			




Term hours subtotal: 17-18

- Develop your **skills**.
- Begin your career prep at <https://career.asu.edu/career-resources>

Term 4 47 - 64 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STP 226: Elements of Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Chinese or Spanish); elective credits may require adjustment. See advisor.</li> <li>• Minimum 2.50 ASU cumulative GPA is required to register for LES 305 in term 5.</li> <li>• Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to discuss the best study abroad option for your major. Make sure to get your credits approved through your academic advisor prior to departure.</li> <li>• Begin your career prep at <a href="https://career.asu.edu/career-resources">https://career.asu.edu/career-resources</a></li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
Foreign Language IV	4-5	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	17-18		

Term 5 64 - 80 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 406: Moral Dilemmas (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to discuss the best study abroad option for your major. Make sure to get your credits approved through your academic advisor prior to departure.</li> <li>• Work with your academic advisor to start planning your required <b>internship experience</b> in Term 7.</li> <li>• Begin your career prep at <a href="https://career.asu.edu/career-resources">https://career.asu.edu/career-resources</a></li> </ul>
 TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
TGM 312: Big Data in the Global Economy	3	C	
TGM 391: Global Business and Professional Development Skills	1	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		

Term 6 80 - 96 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 353: Regional Management Environment (G)	3	C	<ul style="list-style-type: none"> <li>• Work with your academic advisor to start planning your required <b>internship experience</b> in Term 7.</li> <li>• Research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• Begin your career prep at <a href="https://career.asu.edu/career-resources">https://career.asu.edu/career-resources</a></li> </ul>
TGM 300: Principles of Finance for Global Organizations	3	C	
Historical Awareness (H)	3		
Elective	2		
Complete 2 courses: Upper Division Elective	5		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 96 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 484: Internship	3-6	C	<ul style="list-style-type: none"> <li>• An internship experience is required.</li> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
 TGM 489: Multinational Organizational Leadership	3	C	
TGM 487: Global Entrepreneurship	3	C	

Upper Division Elective

3

Term hours subtotal: 12-15

- Career prep thru <https://career.asu.edu/career-resources>

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 498: Pro-Seminar (L)	3	C	• Go to career services at <a href="https://career.asu.edu/career-resources">https://career.asu.edu/career-resources</a>
TGM 478: Cross-Cultural Communication and Negotiation	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

Foreign Language I	Foreign Language II	Foreign Language III
MND 101: First-Year Chinese I	MND 102: First-Year Chinese II	MND 201: Second-Year Chinese I
SPA 101: Elementary Spanish I	SPA 102: Elementary Spanish II	SPA 201: Intermediate Spanish (G)
Foreign Language IV		
MND 202: Second-Year Chinese II		
SPA 202: Intermediate Spanish (G)		

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map



### International Trade, BS

School/College: [Thunderbird School of Global Management](#)




Location: [West campus](#)

TBINTRABS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 101: Principles of Global Management (G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Create a first draft <b>resume</b>.</li> <li>Create your <b>LinkedIn profile</b>.</li> <li>Create your <b>Handshake profile</b>.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 210: Brief Calculus (MA)	3	C	
TGM 191: First-Year Seminar	1		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 204: Principles of Marketing for Global Organizations	3	C	<ul style="list-style-type: none"> <li>Network in your <b>career interest area</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or a <b>volunteer experience</b>.</li> </ul>
COM 225: Public Speaking (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 211: Mathematics for Business Analysis	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 200: Principles of Accounting for Global Organizations	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
ECN 211: Macroeconomic Principles (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Grade	Notes
 STP 226: Elements of Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>To register for LES 305, a minimum 2.50 GPA is required.</li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	13		

Term 5 60 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 406: Moral Dilemmas (L or HU)	3	C	<ul style="list-style-type: none"> <li>Work with your academic advisor to start planning your required internship experience.</li> </ul>
 TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
ECN 306: Survey of International Economics (SB & G)	3	C	
TGM 310: Supply Chain Operations for Global Organizations	3	C	
TGM 312: Big Data in the Global Economy	3	C	
TGM 391: Global Business and Professional Development Skills	1	C	
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TGM 353: Regional Management Environment (G)	3	C	<ul style="list-style-type: none"> <li>Internship experience (minimum of 3 credit hours) suggested during summer term.</li> <li>Research employment opportunities.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
TGM 300: Principles of Finance for Global Organizations	3	C	
TGM 430: International Trade and Regional Economic Agreements	3	C	
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TGM 484: Internship	3-6	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> </ul>
 TGM 489: Multinational Organizational Leadership	3	C	
TGM 460: Global Risk Assessment and Management	3	C	
Upper Division Elective	2		
Elective	4		
Term hours subtotal:	15-18		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TGM 498: Pro-Seminar (L)	3	C	
TGM 478: Cross-Cultural Communication and Negotiation	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	5		
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Business (Global Logistics Management), BA

School/College: W. P. Carey School of Business

Location:

BABUSGLBA











and

International







Trade, BS




Thunderbird School of Global Management





TBINTRABS







Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent</li> <li>First-Year Seminar required of all first-year students.</li> <li>Create a first draft <a href="#">resume</a>.</li> <li>Create your <a href="#">LinkedIn profile</a>.</li> <li>Create your <a href="#">Handshake profile</a>.</li> </ul>
 MAT 117: College Algebra (MA) OR MAT 210: Brief Calculus (MA)	3	C	
 TGM 101: Principles of Global Management (G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TGM 191: First-Year Seminar OR WPC 101: Student Success in Business	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Business Skills Courses: No Grades of D or E			
Term hours subtotal:	16		
Term 2 16 - 31.25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Students must complete two math courses. Students will complete either MAT 117 and MAT 210 or MAT 210 and MAT 211 (or a quantitative course).</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>Join a <a href="#">student club</a> or professional organization.</li> <li>Secure a <a href="#">part-time job</a> or a <a href="#">volunteer experience</a>.</li> <li>Research <a href="#">study abroad opportunities</a> recommended for your major</li> </ul>
 MAT 210: Brief Calculus (MA) OR MAT 211: Mathematics for Business Analysis or Quantitative Course	3	C	
COM 225: Public Speaking (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 148: First-Year Introduction to Career Development	0.25	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Business Skills Courses: No Grades of D or E			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Term hours subtotal: 15.25

Term 3 31.25 - 47.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> <li>• Continuing first-year students will take WPC 248, after completing WPC 148</li> <li>• New transfer students will take WPC 347</li> </ul>
 ECN 212: Microeconomic Principles (SB)	3	C	
 ECN 221: Business Statistics (CS)	3	C	
TGM 204: Principles of Marketing for Global Organizations OR MKT 300: Marketing and Business Performance	3	C	
WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management	0.25	C	
Natural Science - Quantitative (SQ)	4		
 Business Skills Courses: No Grades of D or E			
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16.25		

Term 4 47.50 - 62.50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	<ul style="list-style-type: none"> <li>• Be sure to take upcoming SCM courses in the term indicated, due to limited section availability on West campus.</li> <li>• To register for LES 305, a minimum 2.50 GPA is required.</li> </ul>
ECN 306: Survey of International Economics (SB & G)	3	C	
MGT 300: Organization and Management Leadership	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
 Business Skills Courses: No Grades of D or E			
Term hours subtotal:	15		

Term 5 62.50 - 77.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SCM 300: Global Supply Operations OR TGM 310: Supply Chain Operations for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• Work with your advisor to start planning your required <b>internship experience</b>.</li> </ul>
 TGM 312: Big Data in the Global Economy	3	C	
 TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
WPC 348: Junior Networking Foundations	0.25	C	
Term hours subtotal:	15.25		

Term 6 77.75 - 92.75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FIN 300: Fundamentals of Finance OR TGM 300: Principles of Finance for Global Organizations	3	C	<ul style="list-style-type: none"> <li>• TGM 484: Internship (minimum of 3 credit hours) suggested during summer term or Term 7. Work with your advisor to start planning your required <b>internship experience</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 SCM 314: Analytics for Logistics	3	C	
 SCM 354: Procurement of Services	3	C	
 TGM 353: Regional Management Environment (G)	3	C	
 TGM 430: International Trade and Regional Economic Agreements	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 344: Applied Logistics Management	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
★ SCM 385: Business and Sustainability I	3	C	
★ TGM 484: Internship	3	C	
★ TGM 489: Multinational Organizational Leadership	3	C	
MGT 411: Leading Organizations	3	C	
Term hours subtotal:	15		

Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 445: Advanced Logistics Management	3	C	
★ TGM 460: Global Risk Assessment and Management	3	C	
★ TGM 498: Pro-Seminar (L)	3	C	
TGM 478: Cross-Cultural Communication and Negotiation	3	C	
WPC 448: Senior Career Transition Management	0.25	C	
Term hours subtotal:	12.25		

Hide Course List(s)/Track Group(s)

Business Skills Courses - No Grades of D or E	Quantitative Course
ACC 231: Uses of Accounting Information I or ACC 232: Financial Accounting I or ACC 261: Honors Fundamentals of Financial Accounting	ACO 100: All About Data: Design, Query, and Visualization (CS)
ACC 241: Uses of Accounting Information II or ACC 242: Managerial Accounting I or ACC 271: Honors Fundamentals of Managerial Accounting	EDS 223: Design Thinking
CIS 105: Computer Applications and Information Technology (CS) or CIS 236: Honors Introduction to Information Systems (CS)	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB)	
ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB)	
ECN 221: Business Statistics (CS) or ECN 231: Honors Business Statistics (CS)	
MAT 210: Brief Calculus (MA) or MAT 270: Calculus with Analytic Geometry I (MA)	

MAT 211: Mathematics for Business Analysis  
or Quantitative Course

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 50 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### International Trade, BS

School/College: [Thunderbird School of Global Management](#)

Location: [Online, ASU Local@Los Angeles](#)

TBINTRABS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 101: Principles of Global Management (G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Create your <a href="#">Linkedin profile</a></li> <li>Create your <a href="#">Handshake profile</a></li> </ul>
ASU 101-ONL: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
CIS 105: Computer Applications and Information Technology (CS)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Join a <a href="#">student club</a></li> <li>Secure a <a href="#">part-time job</a></li> </ul>
MAT 210: Brief Calculus (MA)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TGM 204: Principles of Marketing for Global Organizations	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Elective	3		
Term hours subtotal:	9		
Term 2 - B 22 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 211: Mathematics for Business Analysis	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	9		
Term 3 - A 31 - 40 Credit Hours	Hours	Minimum Grade	Notes
COM 225: Public Speaking (L)	3	C	
ECN 211: Macroeconomic Principles (SB)	3	C	

Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 9

Term 3 - B 40 - 47 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
TGM 200: Principles of Accounting for Global Organizations	3	C	• Develop your skills
Natural Science - Quantitative (SQ)	4		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 47 - 56 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ STP 226: Elements of Statistics (CS)	3	C	
TGM 468: States and Markets in a Global Economy (SB & G)	3	C	
Historical Awareness (H)	3		
Term hours subtotal:	9		

Term 4 - B 56 - 63 Credit Hours	Hours	Minimum Grade	Notes
ECN 212: Microeconomic Principles (SB)	3	C	• Term 5 or Term 6 are preferred for study abroad. Meet with your advisor to plan for the best study abroad options for your major.
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - A 63 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TGM 353: Regional Management Environment (G)	3	C	
TGM 312: Big Data in the Global Economy	3	C	
Elective	3		
Term hours subtotal:	9		

Term 5 - B 72 - 79 Credit Hours	Hours	Minimum Grade	Notes
TGM 310: Supply Chain Operations for Global Organizations	3	C	• A minimum 2.50 cumulative ASU GPA is required to register for LES 305 in Term 6A. • Work with your academic advisor to start planning for your required international internship.
TGM 391: Global Business and Professional Development Skills	1	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 6 - A 79 - 88 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU)	3	C	
ECN 306: Survey of International Economics (SB & G)	3		
Elective	3		
Term hours subtotal:	9		

Term 6 - B 88 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
TGM 300: Principles of Finance for Global Organizations	3	C	
TGM 430: International Trade and Regional Economic Agreements	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

- Work with your academic advisor to start planning for your required international **internship**
- Research **employment opportunities**
- Complete an in person or virtual **practice interview**

Term 7 - A 94 - 100 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 484: Internship	3-6	C	• An international internship experience is required.
TGM 460: Global Risk Assessment and Management	3	C	
Term hours subtotal:	6-9		

Term 7 - B 100 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 489: Multinational Organizational Leadership	3	C	• Gather <b>professional references</b>
Elective	3		
Term hours subtotal:	6		

Term 8 - A 106 - 115 Credit Hours	Hours	Minimum Grade	Notes
TGM 478: Cross-Cultural Communication and Negotiation	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 115 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TGM 498: Pro-Seminar (L)	3	C	
Upper Division Elective	2		
Term hours subtotal:	5		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Applied Science (Food and Nutrition Entrepreneurship), **BAS**

School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#)

ECNTRBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 100: Introduction to Nutrition Science OR NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>• Develop your professional online presence</li> </ul>
Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended)	3		
Upper Division Elective	3		
Complete 2 courses:	6		
Any needed lower division General Studies requirement OR Elective			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 343: Food Service Purchasing	3	C	
CIS 300: Web Design and Development	3	C	
NTR 348: Cultural Aspects of Food (SB & C & G)	3	C	
NTR 351: Nutrition Communication (L)	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 455: Retail Food Service Operations	3	C	<ul style="list-style-type: none"> <li>• Gather professional references</li> </ul>

ACC 382: Accounting and Financial Analysis	3	C
MKT 390: Essentials of Marketing OR MKT 391: Essentials of Selling	3	C
NTR 445: Management of Food Service Systems	3	C
NTR Upper Division Elective	3	C
Term hours subtotal:	15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 344: Nutrition Management and Leadership (L)	3	C	• Apply for full-time career opportunities
MGT 380: Management and Strategy for Nonmajors	3	C	
NTR 345: Development of Healthy Cuisines	3	C	
NTR 450: Nutrition in the Life Cycle (SB) OR HSC 355: Eating for Lifelong Health (SB)	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map

### Applied Science (Food and Nutrition Entrepreneurship), **BAS**

School/College: [College of Health Solutions](#)

Location: [Online, ASU Local@Los Angeles](#)

ECNTRBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term hours subtotal:	60		
Term 5 - A 60 - 66 Credit Hours	Hours	Minimum Grade	Notes
NTR 100: Introduction to Nutrition Science OR NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended)	3		
Term hours subtotal:	6		
Term 5 - B 66 - 72 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Any needed lower division General Studies requirement OR <b>Elective</b>	6		
Term hours subtotal:	6		
Term 6 - A 72 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 343: Food Service Purchasing	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 6 - B 78 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
CIS 300: Web Design and Development	3	C	
NTR 348: Cultural Aspects of Food (SB & C & G)	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 6

Term 7 - A 84 - 90 Credit Hours	Hours	Minimum Grade	Notes
ACC 382: Accounting and Financial Analysis	3	C	• Gather professional references
NTR 351: Nutrition Communication (L)	3	C	
Term hours subtotal:	6		

Term 7 - B 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 455: Retail Food Service Operations	3	C	
NTR 450: Nutrition in the Life Cycle (SB) OR HSC 355: Eating for Lifelong Health (SB)	3	C	
Term hours subtotal:	6		

Term 8 - A 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
MGT 380: Management and Strategy for Nonmajors	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	6		

Term 8 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
MKT 390: Essentials of Marketing OR MKT 391: Essentials of Selling	3	C	
NTR Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 344: Nutrition Management and Leadership (L)	3	C	• Apply for full-time career opportunities
NTR 345: Development of Healthy Cuisines	3	C	
Term hours subtotal:	6		

Term 9 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
NTR 445: Management of Food Service Systems	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Health Sciences), BAS

School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [West campus](#), [ASU@Yavapai](#)

NUHSCBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 330: Health Care Systems in the U.S.	3	C	
HEP 100: Introduction to Health and Wellness (SB) OR EXW 302: Fundamentals of Wellness (L)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
HSC 300: Complementary Health Care	3	C	
HSC 310: Health Communication	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 303: Global Health Care Systems (G)	3	C	
★ MED 320: Applied Medical/Health Care Ethics (HU)	3	C	
HSC 412: Health Issues in Later Life	3	C	
HSC 432: Legal Issues in Health Care	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EXW 450: Social Determinants of Health and Health Behavior (L or SB) & C)	3	C	• Gather professional references
CHS 340: Health Theory	3	C	
HCD 420: Population Health Management	3	C	
HSC 410: Supporting the Health of Older Adults	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 400: Interpreting the Scientific Literature	3	C	• Apply for full-time career opportunities
MED 300: Historical and Contemporary Issues in Health (L)	3	C	
MED 417: Impact of Violence on Health	3	C	
MED 450: Leadership and Professionalism	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Health Sciences), BAS

School/College: [College of Health Solutions](#)

Location: [Online, ASU Local@Los Angeles](#)

NUHSCBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCD 330: Health Care Systems in the U.S.	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	6		<ul style="list-style-type: none"> <li>• Develop your <a href="#">professional online presence</a></li> </ul>
Term 5 - B 66 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 310: Health Communication	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	6		
Term 6 - A 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MED 320: Applied Medical/Health Care Ethics (HU)	3	C	
HCD 303: Global Health Care Systems (G)	3	C	
Term hours subtotal:	6		
Term 6 - B 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HSC 412: Health Issues in Later Life	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		



Term 7 - A 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HEP 100: Introduction to Health and Wellness (SB) OR EXW 302: Fundamentals of Wellness (L)	3	C	• Gather professional references
HSC 300: Complementary Health Care	3	C	
Term hours subtotal:	6		

Term 7 - B 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
HSC 410: Supporting the Health of Older Adults	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	6		

Term 8 - A 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHS 340: Health Theory	3	C	
MED 300: Historical and Contemporary Issues in Health (L)	3	C	
Term hours subtotal:	6		

Term 8 - B 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 450: Social Determinants of Health and Health Behavior (L or SB) & C)	3	C	
HCD 400: Interpreting the Scientific Literature	3	C	
Term hours subtotal:	6		

Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MED 450: Leadership and Professionalism	3	C	• Apply for full-time career opportunities
HCD 420: Population Health Management	3	C	
Term hours subtotal:	6		

Term 9 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
HSC 432: Legal Issues in Health Care	3	C	
MED 417: Impact of Violence on Health	3	C	
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Medical Laboratory Science), BAS

School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#)

NUMLSBAS

Applicable Community College Prerequisites 0 - 90 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	90		
Term hours subtotal:	90		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term 5 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Computer/Statistics/Quantitative Applications (CS)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>• Develop your professional online presence</li> </ul>
Term 6 99 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MDL 410: Laboratory Leadership	1	C	
MDL 420: Advanced Clinical Urinalysis and Body Fluids	2	C	
MDL 430: Advanced Hematology and Hemostasis	3	C	
MDL 440: Advanced Immunohematology and Immunology	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	9		
Summer 6 108 - 112 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MDL 421: Advanced Practicum in Clinical Urinalysis and Body Fluids	1	C	
MDL 431: Advanced Practicum in Hematology and Hemostasis	1	C	

MDL 441: Advanced Practicum in Immunohematology and Immunology 2 C

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 4

Term 7 112 - 118 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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MDL 450: Advanced Clinical Microbiology	3	C	• Gather professional references
MDL 460: Advanced Clinical Chemistry	3	C	

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 6

Term 8 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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MDL 451: Advanced Practicum: Clinical Microbiology	1	C	• Apply for full-time career opportunities
MDL 461: Advanced Practicum: Clinical Chemistry	1	C	

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 2

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Biomedical Informatics, BS

School/College: College of Health Solutions

Location: Downtown Phoenix campus, Tempe campus

ESBMIBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students who test into MAT 251 can take MAT 170 in Term 1 as a refresher or take an elective course instead.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300 instead.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Elective ( MAT 170 recommended)	3		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Select your <b>Career Interest Communities</b> and play me3.</li> </ul>
 BMI 110: Introduction to Python	3	C	
 MAT 251: Calculus for Life Sciences (MA)	3	C	
BMI 201: Introduction to Clinical Informatics	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
 BMI 210: Data Structures and Algorithms in Python	3	C	
BMI 102: Introduction to Population Health Informatics	3	C	
MAT 243: Discrete Mathematical Structures	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ BMI 221: Knowledge Representation for Biomedical Informatics	3	C	• Explore an <b>internship</b>
BMI 211: Modeling Biomedical Decisions	3	C	
BMI 310: App Development for Clinical and Population Health OR CSE 335: Principles of Mobile Application Development	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
⚠ Complete BMI 102 AND BMI 201 course(s).			
Term hours subtotal:		15	

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 340: General Genetics	4	C	• Update your <b>resume</b> • Thinking about graduate school? Consider registering for a grad school <b>test prep</b> course
BMI 311: Modeling Biomedical Knowledge	3	C	
BMI 332: Team Dynamics for Healthcare IT Projects	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	2		
Term hours subtotal:		15	

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BMI 312: Modeling Biomedical Data	3	C	• Use Handshake to research <b>employment opportunities</b> • Complete an in person or virtual <b>practice interview</b>
BMI 330: Topics in Translational Bioinformatics	3	C	
BMI 410: Database Management in Health Care	3	C	
BMI 440: Software Engineering for Biomedical Informatics OR CSE 360: Introduction to Software Engineering	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BMI 461: Advanced Topics in Biomedical Informatics I	3	C	
★ BMI 482: Capstone I (L) OR CHS 492: Honors Directed Study	3	C	
BMI 484: Internship	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:		15	

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BMI 404: Clinical Environments	3	C	• Apply for <b>full-time career opportunities</b> • Barrett Honors College students who take CHS 492 and CHS 493 will need a Literacy and Critical Inquiry course in Term 8. Non-Barrett students who take BMI 482 and BMI 483 may take an elective course instead.
★ BMI 483: Capstone II (L) OR CHS 493: Honors Thesis (L)	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	5		
Elective			

Term hours subtotal: 14

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map





### Dietetics, BS




School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#)

NHDIETCSBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Minimum grade of C required in the courses marked as C or better for Didactic Program in Dietetics (DPD) verification statement</li> <li>In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a minimum ASU cumulative GPA of 3.50.</li> <li>Students who enter the major as first-year students must complete CHS 100; students who enter the major with more than 45 hours should complete CHS 300.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA)	3	C	
NTR 150: Introduction to the Professions in Nutrition and Dietetics	1	C	
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a minimum ASU cumulative GPA of 3.50.</li> </ul>
 NTR 142: Applied Food Principles	3	C	



PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS)	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Elective	3	
♦ Complete First-Year Composition requirement.		
♦ Complete Mathematics (MA) requirement.		
♦ Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	16	

- Develop your skills.

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ♦	Hours	Minimum Grade	Notes
♦ BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> </ul>
CHS 260: Health Professions Terminology	3	C	
NTR 290: Introduction to Evidence-Based Research in Nutrition (L)	3	C	
Complete 2 courses: Elective	6		
♦ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>• In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a minimum ASU cumulative GPA of 3.50.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ NTR 341: Medical Nutrition Therapy I	3	C	
NTR 343: Food Service Purchasing	3	C	
NTR 351: Nutrition Communication (L)	3	C	
Experiential Learning Course	3	C	
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
NTR 344: Nutrition Management and Leadership (L)	3	C	
NTR 350: Nutrition Counseling	3	C	
NTR 444: Medical Nutrition Therapy II	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 93 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NTR 400: Preprofessional Preparation in Dietetics	1	C	<ul style="list-style-type: none"> <li>• In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a minimum ASU cumulative GPA of 3.50.</li> <li>• Gather <b>professional references</b>.</li> </ul>
★ NTR 441: Advanced Human Nutrition II	3	C	
NTR 446: Medical Nutrition Therapy III	4	C	
NTR 450: Nutrition in the Life Cycle (SB)	3	C	

Elective 2

★ Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 13

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 440: Advanced Human Nutrition I	3	C	• Apply for full time career opportunities.
★ NTR 445: Management of Food Service Systems	4	C	
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
NTR 448: Community Nutrition (L)	3	C	
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Experiential Learning Course

CHS 280: Experiential Community Health and Research

CHS 394: CHS Peer Instructional Facilitator

CHS 484: Student Outbreak Response Team

CHS 484: Translational Research

CHS 493: Honors Thesis (L)

CHS 494: Advanced Undergraduate Teaching Assistant

CHS 494: Contact Tracing in Population Health

CHS 494: Undergraduate Research

HCR 471: Interprofessional Education and Community Health

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map



### Exercise and Wellness, BS




School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#)

ECEXERBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students who enter as freshmen must enroll in CHS 100; students who enter with more than 45 hours may enroll in CHS 300 instead.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 KIN 101: Introduction to Kinesiology	3	C	
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Elective	2		
Term hours subtotal:	15		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Explore 4+1 options in the major.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 215: Resistance Training and Recovery Techniques OR EXW 217: Cardiorespiratory and Flexibility Training	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experiences</b>.</li> <li>Become a student member of a professional organization.</li> </ul>
EXW 215: Resistance Training and Recovery Techniques OR EXW 217: Cardiorespiratory and Flexibility Training	3	C	
NTR 241: Human Nutrition	3	C	
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR HCD 300: Biostatistics (CS)	3	C	
Elective	3		
 Complete EXW 215 AND EXW 217 course(s).			

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

❗ Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"><li>• Research <b>health professions graduate programs</b>.</li><li>• Students interested in applying to health professions graduate programs should utilize electives to fulfill pre-requisite coursework.</li></ul>
KIN 290: Introduction to Evidence-Based Practice (L) OR NTR 290: Introduction to Evidence-Based Research in Nutrition (L)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses:			
Elective	6		
❗ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EXW 330: Kinesiological Foundations of Movement	4	C	<ul style="list-style-type: none"><li>• Develop your <b>professional online presence</b>.</li></ul>
★ KIN 340: Physiology of Exercise	3	C	
EXW 344: Impact of Physical Activity on Health and Disease	3	C	
KIN 352: Psychosocial Aspects of Physical Activity (SB & C)	3	C	
Upper Division Major Electives	3	C	
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 95 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EXW 420: Exercise Testing	4	C	<ul style="list-style-type: none"><li>• Gather <b>professional references</b>.</li></ul>
Complete 2 courses:			
Upper Division Major Electives	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 95 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ KIN 447: ECG Interpretation	3	C	<ul style="list-style-type: none"><li>• Explore an <b>internship</b></li><li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b></li></ul>
Complete 2 courses:			
Upper Division Major Electives	6	C	
Upper Division Elective	1		
Elective	3		
★ Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ EXW 484: Internship	3	C
Upper Division Major Electives	3	C
Complete 2 courses:		
Elective	6	
Term hours subtotal:		12

- Apply for full-time career opportunities.
- The EXW 484: Internship fulfills the college's experiential learning requirement.

- Students will select their specialty focus courses with the advice of the academic advisor. Students interested in taking NTR 457 Sports Nutrition as one of their specialty focus courses need to take NTR 241 as their elective in term 4.

Hide Course List(s)/Track Group(s)

Major Electives
CHS 340: Health Theory
CHS 394: CHS Peer Instructional Facilitator
CHS 494: Adaptive Exercise Program Practical Experience
CHS 494: Advanced Undergraduate Teaching Assistant
CHS 494: Undergraduate Research
EXW 400: Stress Management for Wellness
EXW 494: Ex Rx: Cardiorespiratory and Metabolic Conditions
HEP 410: Obesity Perspectives and Prescriptions
HSC 355: Eating for Lifelong Health (SB)
KIN 345: Motor Behavior
KIN 415: Theory of Corrective Exercise
KIN 422: Motor Control in Special Populations (L)
KIN 423: Motor Control and Aging (L)
KIN 424: Neural Aspects of Movement and Rehabilitation
KIN 442: Fuel Metabolism
KIN 443: Exercise Endocrinology (L)
KIN 444: Metabolic Adaptations to Exercise Training
KIN 446: Pediatric Obesity
KIN 450: Biopsychosocial Perspectives on Physical Activity and Health
KIN 452: Exercise Psychology (SB)
KIN 460: Theory of Strength Training (L)

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KIN 465: Muscle Physiology

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NTR 341: Medical Nutrition Therapy I

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NTR 350: Nutrition Counseling

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NTR 353: Perspectives on the Western Diet:  
Food, Health and Sustainability

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NTR 450: Nutrition in the Life Cycle (SB)

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PRM 364: Foundations of Recreation Therapy  
(SB)

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PRM 384: Recreational Therapy Practicum

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PRM 453: Inclusive and Adaptive Sports and  
Recreation

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Food and Nutrition Entrepreneurship, BS

School/College: [College of Health Solutions](#)



Location: [Downtown Phoenix campus](#)



NHFNUENBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>Students who enter as first-year students must complete CHS 100; students who enter with more than 45 hours should complete CHS 300 instead.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
MAT course (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	
 NTR 100: Introduction to Nutrition Science OR NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a>.</li> </ul>
AGB 250: Economics of Resource Allocation: Food and Agriculture	3	C	
BIO 160: Introduction to Anatomy and Physiology (SQ) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
 Complete Mathematics (MA) requirement. Complete First-Year Composition requirement.			



Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 142: Applied Food Principles	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 301: Writing for the Professions (L) OR TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> </ul>
ACC 382: Accounting and Financial Analysis	3	C	
MKT 390: Essentials of Marketing	3	C	
NTR 343: Food Service Purchasing	3	C	
NTR 345: Development of Healthy Cuisines OR NTR 442: Experimental Functional Foods	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 344: Nutrition Management and Leadership (L)	3	C	<ul style="list-style-type: none"> <li>Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
NTR 450: Nutrition in the Life Cycle (SB) OR HSC 355: Eating for Lifelong Health (SB)	3	C	
MGT 380: Management and Strategy for Nonmajors	3	C	
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 455: Retail Food Service Operations	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> <li>Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> </ul>
CIS 300: Web Design and Development	3	C	
NTR 445: Management of Food Service Systems	4	C	
Experiential Learning Course	3	C	
Term hours subtotal:	13		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 360: Nutrition Entrepreneurship	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
NTR 448: Community Nutrition (L)	3	C	
Upper Division Elective	2		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Experiential Learning Course

CHS 280: Experiential Community Health and Research

CHS 394: CHS Peer Instructional Facilitator

CHS 484: Student Outbreak Response Team

CHS 484: Translational Research

CHS 493: Honors Thesis (L)

CHS 494: Advanced Undergraduate Teaching Assistant

CHS 494: Contact Tracing in Population Health

CHS 494: Undergraduate Research

HCR 471: Interprofessional Education and Community Health

NTR 401: Preprofessional Preparation in Nutrition

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Food and Nutrition Entrepreneurship, BS

School/College: [College of Health Solutions](#)

Location: [Online, ASU Local@Los Angeles](#)

NHFNUENBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Students who enter as first-year students must complete CHS 100; students who enter with more than 45 hours should complete CHS 300 instead.</li> </ul>
CHS 101: The ASU Experience for Health Solutions Students	1		
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>View ASU Online first-year student registration information <a href="#">here</a></li> </ul>
Mathematics (MA) ( MAT 142 recommended)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	7		
Term 2 - B 20 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 100: Introduction to Nutrition Science OR NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 26 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AGB 250: Economics of Resource Allocation: Food and Agriculture	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		• Develop your <b>skills</b> .
Elective	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours	Hours	Minimum Grade	Notes
BIO 160: Introduction to Anatomy and Physiology (SQ) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Elective	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ NTR 142: Applied Food Principles	3	C	• Secure a <b>part-time job</b> or volunteer experience.
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ENG 301: Writing for the Professions (L) OR TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NTR 343: Food Service Purchasing	3	C	• Develop your <b>professional online presence</b> .
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours	Hours	Minimum Grade	Notes
ACC 382: Accounting and Financial Analysis	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
NTR 345: Development of Healthy Cuisines	3	C	• Use Handshake to research <b>employment opportunities</b> .
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NTR 450: Nutrition in the Life Cycle (SB) OR HSC 355: Eating for Lifelong Health (SB)	3	C	
NTR 344: Nutrition Management and Leadership (L)	3	C	

Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NTR 455: Retail Food Service Operations	3	C	• Gather professional references.
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability	3	C	
Term hours subtotal:		6	

Term 8 - A 87 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NTR 445: Management of Food Service Systems	4	C	
MGT 380: Management and Strategy for Nonmajors	3	C	
Term hours subtotal:		7	

Term 8 - B 94 - 100 Credit Hours	Hours	Minimum Grade	Notes
MKT 390: Essentials of Marketing	3	C	
NTR 448: Community Nutrition (L)	3	C	
Term hours subtotal:		6	

Term 9 - A 100 - 106 Credit Hours	Hours	Minimum Grade	Notes
CIS 300: Web Design and Development	3	C	
Elective	3		
Term hours subtotal:		6	

Term 9 - B 106 - 112 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NTR 360: Nutrition Entrepreneurship	3	C	• Visit the <a href="#">CHS student website</a> to explore experiential learning opportunities, including research and internships. • Apply for <a href="#">full-time career opportunities</a> .
Elective	3		
Term hours subtotal:		6	

Term 10 - A 112 - 118 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Experiential Learning Course	3	C	• Visit the <a href="#">CHS student website</a> to explore experiential learning opportunities, including research and internships.
Elective	3		
Term hours subtotal:		6	

Term 10 - B 118 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	2		
Term hours subtotal:		2	

Hide Course List(s)/Track Group(s)

- Experiential Learning Course
- CHS 280: Experiential Community Health and Research

CHS 394: CHS Peer Instructional Facilitator

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CHS 484: Student Outbreak Response Team

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CHS 484: Translational Research

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CHS 494: Advanced Undergraduate Teaching Assistant

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CHS 494: Contact Tracing in Population Health

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CHS 494: Undergraduate Research

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NTR 401: Preprofessional Preparation in Nutrition

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Health Education and Health Promotion, BS




School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus, ASU@Lake Havasu](#)

NHHEHPBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Students who plan to apply to a graduate program after graduation may wish to take a higher level math than that required for this degree. If the student decides to do so but tests into MAT 117 in term 1, an elective later in the program may be used to take a higher level math.</li> <li>Students who enter the major as freshmen must complete CHS 100; students who enter the major with at least 45 hours should complete CHS 300.</li> </ul>
 HEP 102: Foundations of Health Education and Health Promotion	3	C	
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT course (MA)	3	C	
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HEP 100: Introduction to Health and Wellness (SB) OR EXW 302: Fundamentals of Wellness (L)	3	C	<ul style="list-style-type: none"> <li>Students who enter the major with fewer than 45 hours must take HEP 100; those who enter with at least 45 hours may take EXW 302.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HEHP Major Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		



Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ)	4	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> <li>Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			





Complete First-Year Composition requirement.



Term hours subtotal: 16

program should take BIO 201 in Term 3 instead of BIO 160, and BIO 202 in Term 4 instead of an elective.

Term 4 47 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 107: Chemistry and Society (SQ) AND CHM 108: Chemistry and Society Laboratory (SQ) OR CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate program should take CHM 113. They should also take BIO 201 in Term 3 instead of BIO 160, and BIO 202 in Term 4 instead of an elective.</li> </ul>
HEHP Major Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	4		
Term hours subtotal:	14		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 340: Health Theory	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> </ul>
HCD 300: Biostatistics (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
HEP 348: Methods of Health Education	3	C	
NTR 241: Human Nutrition OR NTR 100: Introduction to Nutrition Science	3	C	
Upper Division HEHP Major Elective	3	C	
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HEP 454: Health Promotion Program Planning and Implementation	3	C	<ul style="list-style-type: none"> <li>Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
HEP 444: Epidemiology	3	C	
HEP 452: Health Advocacy in Health Education	3	C	
HEP 466: Health Promotion Program Management and Administration	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HEP 456: Health Promotion Program Evaluation	3	C	<ul style="list-style-type: none"> <li>Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>Students should choose a Track either in Clinical Health Education Specialist or Community Health Education Specialist and select a course from that Track Elective list.</li> <li>Courses used to count toward a Track Elective cannot be used as an HEHP Major Elective.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
EXW 450: Social Determinants of Health and Health Behavior (L or SB) & C)	3	C	
HEP 490: CHES Exam Preparation	1	C	
Experiential Learning Course	3	C	
Track Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	16		

		Minimum	
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Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ HEP 476: Community Health	3	C	<ul style="list-style-type: none"> <li>• Students should select a course from the same Track Elective list they chose in Term 7.</li> <li>• Courses used to count toward a Track Elective cannot be used as an HEHP Major Elective.</li> </ul>
Upper Division Track Elective	3	C	
Complete 2 courses:	5		
Upper Division Elective	2		
Elective	2		
Term hours subtotal:	13		

Hide Course List(s)/Track Group(s)

Clinical Health Education Specialist Track Elective	HEHP Major Electives	Community Health Education Specialist Track Elective
HEP 394: Diabetes Prevention & Management	CHS 494: Contact Tracing in Population Health	HEP 303: Human Sexuality for Health Education
HEP 394: Health Advocacy for Special Populations	EXW 335: Physical Activity and Physiological Concepts	HEP 361: Social Media and Marketing for Health
HEP 394: Oral Health and Chronic Care	EXW 344: Impact of Physical Activity on Health and Disease	HEP 394: Health and Climate Change
HEP 443: Emotional Health and Interpersonal Relationships	EXW 400: Stress Management for Wellness	HSC 210: Cultural Aspects of Health (C)
	HEP 241: Health Education Methods for Injury Prevention and Preparedness	
	HEP 251: Preventing HIV and Substance Abuse	
	HEP 303: Human Sexuality for Health Education	
	HEP 350: Substance Abuse and Addictive Behavior	
	HEP 361: Social Media and Marketing for Health	
	HEP 371: Conflict Management and Mediation and Violence Prevention	
	HEP 380: Body Image and Wellness	
	HEP 394: Diabetes Prevention & Management	
	HEP 394: Health Advocacy for Special Populations	
	HEP 394: Health and Climate Change	
	HEP 394: Oral Health and Chronic Care	
	HEP 410: Obesity Perspectives and Prescriptions	
	HEP 443: Emotional Health and Interpersonal Relationships	
	HEP 448: Foundations of School Health Education	

## Experiential Learning Course

CHS 280: Experiential Community Health and Research

CHS 394: CHS Peer Instructional Facilitator

CHS 484: Student Outbreak Response Team

CHS 484: Translational Research

CHS 493: Honors Thesis (L)

CHS 494: Contact Tracing in Population Health

CHS 494: Advanced Undergraduate Teaching Assistant

CHS 494: Undergraduate Research

HCR 471: Interprofessional Education and Community Health

HEP 394: Global Intensive Experience

HEP 484: Internship

HEP 486: Applied Projects in Health Education and Health Promotion

### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Health Education and Health Promotion, BS

School/College: [College of Health Solutions](#)



Location: [Online, ASU Local@Los Angeles](#)

NHHEHPBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HEP 102: Foundations of Health Education and Health Promotion	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students</li> </ul>
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	<ul style="list-style-type: none"> <li>Students who enter with fewer than 45 hours must complete CHS 100; students who enter with more than 45 hours should complete CHS 300.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
Mathematics (MA) ( MAT 142 recommended)	3	C	
Term hours subtotal:	6		



Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
HEP 100: Introduction to Health and Wellness (SB) OR EXW 302: Fundamentals of Wellness (L)	3	C	<ul style="list-style-type: none"> <li>Students who enter the major with fewer than 45 hours must take HEP 100; those who enter with at least 45 hours may take EXW 302.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		



Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HEHP Major Elective	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ)	4	C	



Elective	3
Term hours subtotal:	7

- Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate program should take BIO 201 in Term 3A instead of BIO 160, and BIO 202 in Term 3B.



Term 3 - B 32 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			<ul style="list-style-type: none"> <li>• Develop your <i>skills</i>.</li> <li>• Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate program should take BIO 201 in Term 3A and BIO 202 in Term 3B.</li> </ul>
Complete First-Year Composition requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 107: Chemistry and Society (SQ) AND CHM 108: Chemistry and Society Laboratory (SQ) OR CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate program should take CHM 113.</li> </ul>
Elective	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
NTR 241: Human Nutrition OR NTR 100: Introduction to Nutrition Science	3	C	<ul style="list-style-type: none"> <li>• Secure a <i>part-time job</i> or <i>volunteer experiences</i>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHS 340: Health Theory	3	C	
HCD 300: Biostatistics (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Develop your <i>professional online presence</i>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HEP 348: Methods of Health Education	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

HEHP Major Elective	3	C
Upper Division Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HEP 454: Health Promotion Program Planning and Implementation	3	C	<ul style="list-style-type: none"> <li>Visit the <a href="#">CHS student website</a> to explore experiential learning opportunities, including research and internships.</li> </ul>
HEP 444: Epidemiology	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
HEP 452: Health Advocacy in Health Education	3	C	
HEP 456: Health Promotion Program Evaluation	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C	
HEP 466: Health Promotion Program Management and Administration	3	C	
Term hours subtotal:	6		

Term 8 - B 93 - 100 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HEP 476: Community Health	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
HEP 490: CHES Exam Preparation	1	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	7		

Term 9 - A 100 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division HEHP Major Elective	3	C	<ul style="list-style-type: none"> <li>Apply for <a href="#">full-time career opportunities</a></li> <li>Students should choose a Track either in Clinical Health Education Specialist or Community Health Education Specialist and select a course from that Track Elective list.</li> <li>Courses used to count toward a Track Elective cannot be used as an HEHP Major Elective.</li> </ul>
Track Elective	3	C	
Term hours subtotal:	6		

Term 9 - B 106 - 114 Credit Hours	Hours	Minimum Grade	Notes
Experiential Learning Course	3	C	<ul style="list-style-type: none"> <li>Visit the <a href="#">CHS student website</a> to explore experiential learning opportunities, including research and internships.</li> <li>Students should select a course from the same Track Elective list they chose in term 9-A.</li> <li>Courses used to count toward a Track Elective cannot be used as an HEHP Major Elective.</li> </ul>
Upper Division Track Elective	3	C	
Upper Division Elective	2		
Term hours subtotal:	8		

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Elective	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

Clinical Health Education Specialist Track Electives	HEHP Major Electives	Community Health Education Specialist Track Electives
HEP 394: Diabetes Prevention & Management	CHS 494: Contact Tracing in Population Health	HEP 303: Human Sexuality for Health Education
HEP 394: Health Advocacy for Special Populations	EXW 335: Physical Activity and Physiological Concepts	HEP 361: Social Media and Marketing for Health
HEP 394: Oral Health and Chronic Care	EXW 344: Impact of Physical Activity on Health and Disease	HEP 394: Health and Climate Change
HEP 443: Emotional Health and Interpersonal Relationships	EXW 400: Stress Management for Wellness	HSC 210: Cultural Aspects of Health (C)
	HEP 241: Health Education Methods for Injury Prevention and Preparedness	
	HEP 251: Preventing HIV and Substance Abuse	
	HEP 303: Human Sexuality for Health Education	
	HEP 350: Substance Abuse and Addictive Behavior	
	HEP 361: Social Media and Marketing for Health	
	HEP 371: Conflict Management and Mediation and Violence Prevention	
	HEP 380: Body Image and Wellness	
	HEP 394: Diabetes Prevention & Management	
	HEP 394: Health Advocacy for Special Populations	
	HEP 394: Health and Climate Change	
	HEP 394: Oral Health and Chronic Care	
	HEP 410: Obesity Perspectives and Prescriptions	
	HEP 443: Emotional Health and Interpersonal Relationships	
	HEP 448: Foundations of School Health Education	
Experiential Learning Course		



CHS 280: Experiential Community Health and Research

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CHS 394: CHS Peer Instructional Facilitator

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CHS 484: Student Outbreak Response Team

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CHS 484: Translational Research

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CHS 494: Advanced Undergraduate Teaching Assistant

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CHS 494: Contact Tracing in Population Health

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CHS 494: Undergraduate Research

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HEP 394: Global Intensive Experience

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HEP 484: Internship

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HEP 486: Applied Projects in Health Education and Health Promotion

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Health Sciences, BS

School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [West campus](#)

NHHSCBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT course (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSC 210: Cultural Aspects of Health (C)	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> <li>Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours may complete CHS 300 instead.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
⚠ HCD 330: Health Care Systems in the U.S.	3		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
HEP 102: Foundations of Health Education and Health Promotion	3	C	
NTR 100: Introduction to Nutrition Science	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCD 300: Biostatistics (CS)	3	C	<ul style="list-style-type: none"> <li>Develop your professional <b>online presence</b>.</li> </ul>
★ HSC 310: Health Communication	3	C	
MED 300: Historical and Contemporary Issues in Health (L)	3	C	
MED 320: Applied Medical/Health Care Ethics (HU)	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCD 303: Global Health Care Systems (G)	3	C	<ul style="list-style-type: none"> <li>Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>Students who choose to enroll in MED 484 in term 7 must have a minimum cumulative 3.00 GPA at the end of term 6.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Complete 2 courses: Track Focus Area Course	6	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Track Focus Area Course	6	C	<ul style="list-style-type: none"> <li>Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>Students who choose to enroll in MED 484 must have a minimum cumulative 3.00 GPA.</li> <li>Gather <b>professional references</b>.</li> </ul>
MED 450: Leadership and Professionalism	3	C	
Experiential Learning Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Track Focus Area Course	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	12		

- Students interested in the Mayo School of Health Sciences Echocardiography program must complete all prerequisites at ASU and a one credit medical terminology course from GateWay Community College prior to matriculation to the 21 month professional program at Mayo. Students must be accepted into the

program, which has limited slots for admission. For admission criteria and application process go [here](#). If a student is accepted for the program, completion requires the student to attend ASU to meet our remaining requirements in the summer prior to the beginning of the program. Students must work closely with the ASU academic success specialist to make certain all prerequisites have been met. Upon successful completion of the Echocardiography curriculum at Mayo, the student must have the credits transferred back to ASU for acceptance as a block. At that time, the student may apply for graduation from ASU with the BS in Health Sciences. Students who begin the Mayo track but are not accepted into the Mayo program may choose another track in order to graduate with the BS in Health Sciences.

- For those interested in working with hispanic/latino populations, the Spanish and Health track is ideal. Since the first course in the track, SPA 314 or 316, has prerequisites (SPA 313 or SPA 315), students should either have taken one of those courses or they should schedule an appointment on the Downtown campus with Dr. Barbara Lafford for placement. Plan ahead to complete your prerequisites.
- Students who plan to complete the track in Language, Speech and Communication must complete PHY 101 and BIO 160 to fill their Natural Science area of the General Studies requirements.

Hide Course List(s)/Track Group(s)

Community-based Health Outcomes Track	Health Legislation and Regulation Track	Integrated Care Track
HCD 420: Population Health Management	HCD 201: Economics for Health Majors	CHS 340: Health Theory
HEP 241: Health Education Methods for Injury Prevention and Preparedness	HCD 302: Health Care Management	HEP 251: Preventing HIV and Substance Abuse
HEP 361: Social Media and Marketing for Health	HCD 332: Population Health Policy and Legislation	HEP 350: Substance Abuse and Addictive Behavior
HEP 466: Health Promotion Program Management and Administration	HCD 400: Interpreting the Scientific Literature	HEP 380: Body Image and Wellness
MED 417: Impact of Violence on Health	HCD 402: Health Economics	HSC 300: Complementary Health Care
PBH 422: Health Disparities and Access to Health	HEP 452: Health Advocacy in Health Education	HSC 355: Eating for Lifelong Health (SB)
SPA 318: Advanced Spanish for Health Care Professionals	HSC 432: Legal Issues in Health Care	HSC 440: Health Coaching Concepts and Skills
SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)	PAF 340: Contemporary Policy Challenges	MED 445: Prevention and Management of Chronic Disease
SPA 406: Introduction to Spanish/English Medical Interpretation		
Experiential Learning Course	Mayo Clinic Echocardiography Track	Language, Speech and Communication Track
CHS 280: Experiential Community Health and Research	BIO 201: Human Anatomy and Physiology I (SG)	SHS 205: Exploring Communication Disorders in Children and Adults AND SHS 250: Introduction to Phonetics
CHS 394: CHS Peer Instructional Facilitator	BIO 202: Human Anatomy and Physiology II (SG)	SHS 310: Anatomical and Physiological Bases of Speech
CHS 484: Student Outbreak Response Team	COM 225: Public Speaking (L)	SHS 311: Hearing Science
CHS 484: Translational Research	PHY 101: Introduction to Physics (SQ)	SHS 367: Language Science (SB)
CHS 493: Honors Thesis (L)		SHS 375: Speech Science
CHS 494: Advanced Undergraduate Teaching Assistant		SHS 401: Principles of Audiology
CHS 494: Contact Tracing in Population Health		SHS 465: Speech and Language Acquisition (SB)
CHS 494: Undergraduate Research		

HCR 471: Interprofessional Education and  
Community Health

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SHS 496: Aural Rehabilitation

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HSC 484: Internship

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MED 484: Internship

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map















### Health Sciences, BS

School/College: [College of Health Solutions](#)

Location: [Online, ASU Local@Los Angeles](#)

NHHSCBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Elective	3		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
HSC 210: Cultural Aspects of Health (C)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Mathematics (MA) ( MAT 142 recommended)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> <li>Students who enter as first-year students must complete CHS 100; students who enter with more than 45 hours may complete CHS 300 instead.</li> </ul>
NTR 100: Introduction to Nutrition Science	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
HEP 102: Foundations of Health Education and Health Promotion	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
		Minimum	

<b>Term 3 - B 32 - 38 Credit Hours</b> Critical course signified by 	<b>Hours</b>	<b>Grade</b>	<b>Notes</b>
 PSY 101: Introduction to Psychology (SB)	3	C	
Literacy and Critical Inquiry (L)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		
<b>Term 4 - A 38 - 45 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		
<b>Term 4 - B 45 - 51 Credit Hours</b> Critical course signified by 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 HCD 330: Health Care Systems in the U.S.	3		<ul style="list-style-type: none"> <li>Secure a part-time job or volunteer experience.</li> </ul>
Elective	3		
Term hours subtotal:	6		
<b>Term 5 - A 51 - 57 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Complete 2 courses:	6		
Elective			
Term hours subtotal:	6		
<b>Term 5 - B 57 - 63 Credit Hours</b> Necessary course signified by 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 HCD 300: Biostatistics (CS)	3	C	
Elective	3		
Term hours subtotal:	6		
<b>Term 6 - A 63 - 69 Credit Hours</b> Necessary course signified by 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 HSC 310: Health Communication	3	C	<ul style="list-style-type: none"> <li>Develop your professional online presence.</li> </ul>
Elective	3		
Term hours subtotal:	6		
<b>Term 6 - B 69 - 75 Credit Hours</b> Necessary course signified by 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 MED 320: Applied Medical/Health Care Ethics (HU)	3	C	
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
<b>Term 7 - A 75 - 81 Credit Hours</b> Necessary course signified by 	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
 MED 300: Historical and Contemporary Issues in Health (L)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
Elective	3		
Term hours subtotal:	6		
<b>Term 7 - B 81 - 87 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>

HCD 303: Global Health Care Systems (G)	3	C
Elective	3	
Term hours subtotal:	6	

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Track Focus Area Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Track Focus Area Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MED 450: Leadership and Professionalism	3	C	<ul style="list-style-type: none"> <li>Visit the <a href="#">CHS student website</a> to explore experiential learning opportunities, including research and internships.</li> </ul>
Upper Division Track Focus Area Course	3	C	
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Track Focus Area Course	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
Experiential Learning Course	3	C	<ul style="list-style-type: none"> <li>Visit the <a href="#">CHS student website</a> to explore experiential learning opportunities, including research and internships.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Track Focus Area Course	3	C	
Term hours subtotal:	3		

- Students who plan to complete the track in Language, Speech and Communication must complete PHY 101 and BIO 160 to fill their Natural Science area of the General Studies requirements.

Hide Course List(s)/Track Group(s)

Community-based Health Outcomes	Health Legislation and Regulation	Integrated Care
HCD 420: Population Health Management	HCD 201: Economics for Health Majors	CHS 340: Health Theory
HEP 241: Health Education Methods for Injury Prevention and Preparedness	HCD 302: Health Care Management	HEP 251: Preventing HIV and Substance Abuse



HEP 361: Social Media and Marketing for Health	HCD 332: Population Health Policy and Legislation	HEP 350: Substance Abuse and Addictive Behavior
HEP 466: Health Promotion Program Management and Administration	HCD 400: Interpreting the Scientific Literature	HEP 380: Body Image and Wellness
MED 417: Impact of Violence on Health	HCD 402: Health Economics	HSC 300: Complementary Health Care
PBH 422: Health Disparities and Access to Health	HEP 452: Health Advocacy in Health Education	HSC 355: Eating for Lifelong Health (SB)
	HSC 432: Legal Issues in Health Care	HSC 440: Health Coaching Concepts and Skills
	PAF 340: Contemporary Policy Challenges	MED 445: Prevention and Management of Chronic Disease
Language, Speech and Communication	Experiential Learning Course	
SHS 205: Exploring Communication Disorders in Children and Adults AND SHS 250: Introduction to Phonetics	CHS 280: Experiential Community Health and Research	
SHS 310: Anatomical and Physiological Bases of Speech	CHS 394: CHS Peer Instructional Facilitator	
SHS 311: Hearing Science	CHS 484: Student Outbreak Response Team	
SHS 367: Language Science (SB)	CHS 484: Translational Research	
SHS 375: Speech Science	CHS 494: Advanced Undergraduate Teaching Assistant	
SHS 401: Principles of Audiology	CHS 494: Contact Tracing in Population Health	
SHS 465: Speech and Language Acquisition (SB)	CHS 494: Undergraduate Research	
SHS 496: Aural Rehabilitation	HSC 484: Internship	
	MED 484: Internship	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map











### Health Sciences (Healthy Lifestyles and Fitness Science), BS

School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [West campus](#)

NUHSCHLCBS

This program's name has changed effective Fall 2021. The previous name was Health Sciences (Healthy Lifestyles Coaching).

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
 CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT course (MA)	3	C	
Elective	3		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization such as the <a href="#">Healthy Lifestyles Organization at ASU</a>.</li> <li>Students who come in as freshmen must take CHS 100 rather than CHS 300.</li> </ul>
 EXW 101: Foundations of Health and Fitness Science	3	C	
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a>.</li> </ul>
 STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR HCD 300: Biostatistics (CS)	3	C	
EXW 215: Resistance Training and Recovery Techniques	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		

Elective 3

❗ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ NTR 290: Introduction to Evidence-Based Research in Nutrition (L)	3	C	• Secure a <b>part-time job</b> or <b>volunteer experience</b> .
❗ PSY 101: Introduction to Psychology (SB)	3	C	
EXW 217: Cardiorespiratory and Flexibility Training	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EXW 335: Physical Activity and Physiological Concepts	3	C	• Develop your <b>professional online presence</b> . • Explore a certificate such as <b>Health and Wellness Coach, Health Education Specialist</b> or <b>Personal Fitness Training</b> .
★ HSC 300: Complementary Health Care	3	C	
MED 320: Applied Medical/Health Care Ethics (HU)	3	C	
Upper Division Major Electives	3	C	
Global Awareness (G)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHS 340: Health Theory	3	C	• Use Handshake to research <b>employment opportunities</b> .
EXW 344: Impact of Physical Activity on Health and Disease	3	C	
EXW 450: Social Determinants of Health and Health Behavior (L or SB) & C)	3	C	
HSC 355: Eating for Lifelong Health (SB)	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HSC 440: Health Coaching Concepts and Skills	3	C	• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships. • Gather <b>professional references</b> .
EXW 400: Stress Management for Wellness	3	C	
EXW 425: Exercise Prescription for Health and Wellness	3	C	
HEP 350: Substance Abuse and Addictive Behavior	3	C	
Upper Division Major Electives	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NTR 360: Nutrition Entrepreneurship	3	C	• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships. • Apply for <b>career opportunities</b> .
Experiential Learning Course	3	C	
Upper Division Major Electives	3	C	
Complete 2 courses:			

Elective

6

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

Major Electives	Experiential Learning Course
CHS 394: CHS Peer Instructional Facilitator	CHS 280: Experiential Community Health and Research
CHS 494: Advanced Undergraduate Teaching Assistant	CHS 394: CHS Peer Instructional Facilitator
EXW 302: Fundamentals of Wellness (L)	CHS 484: Student Outbreak Response Team
EXW 325: Fitness for Life	CHS 484: Translational Research
HCR 342: Mind-Body and Energy Therapies and Modalities	CHS 493: Honors Thesis (L)
HEP 303: Human Sexuality for Health Education	CHS 494: Adaptive Exercise Program Practical Experience
HEP 361: Social Media and Marketing for Health	CHS 494: Advanced Undergraduate Teaching Assistant
HEP 371: Conflict Management and Mediation and Violence Prevention	CHS 494: Contact Tracing in Population Health
HEP 380: Body Image and Wellness	CHS 494: Undergraduate Research
HEP 410: Obesity Perspectives and Prescriptions	HCR 471: Interprofessional Education and Community Health
HEP 443: Emotional Health and Interpersonal Relationships	HSC 441: Applied Health Coaching Techniques
HEP 466: Health Promotion Program Management and Administration	HSC 484: Internship
HSC 410: Supporting the Health of Older Adults	
HSC 412: Health Issues in Later Life	
HSC 441: Applied Health Coaching Techniques	
NTR 345: Development of Healthy Cuisines	
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability	
PBH 422: Health Disparities and Access to Health	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Health Sciences (Healthy Lifestyles and Fitness Science), BS

School/College: [College of Health Solutions](#)



Location: [Online, ASU Local@Los Angeles](#)


NUHSCHLCBS



This program's name has changed effective Fall 2021. The previous name was Health Sciences (Healthy Lifestyles Coaching).



#### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Mathematics (MA) ( MAT 142 recommended)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 11 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>View ASU Online first-year student registration information <a href="#">here</a></li> </ul>
Term hours subtotal:	4		

Term 2 - A 11 - 18 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization such as the <a href="#">Healthy Lifestyles Organization</a> at ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 2 - B 18 - 24 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 EXW 101: Foundations of Health and Fitness Science	3	C	<ul style="list-style-type: none"> <li>Students who enter with fewer than 45 hours must complete CHS 100; only students who enter ASU with more than 45 hours may take CHS 300.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	

❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 6

Term 3 - A 24 - 30 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ NTR 241: Human Nutrition	3	C	
EXW 215: Resistance Training and Recovery Techniques	3	C	
Term hours subtotal:	6		

Term 3 - B 30 - 36 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR HCD 300: Biostatistics (CS)	3	C	• Develop your skills.
Elective	3		
❗ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	6		

Term 4 - A 36 - 42 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ PSY 101: Introduction to Psychology (SB)	3	C	
EXW 217: Cardiorespiratory and Flexibility Training	3	C	
Term hours subtotal:	6		

Term 4 - B 42 - 48 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ NTR 290: Introduction to Evidence-Based Research in Nutrition (L)	3	C	• Secure a part-time job or volunteer experience.
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 - A 48 - 54 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ EXW 335: Physical Activity and Physiological Concepts	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - B 54 - 60 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ HSC 300: Complementary Health Care	3	C	• Develop your professional online presence.
MED 320: Applied Medical/Health Care Ethics (HU)	3	C	
Term hours subtotal:	6		

Term 6 - A 60 - 66 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ CHS 340: Health Theory	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - B 66 - 72 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
EXW 344: Impact of Physical Activity on Health and Disease	3	C	



EXW 450: Social Determinants of Health and Health Behavior (L or SB) & C 3 C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HSC 355: Eating for Lifelong Health (SB)	3	C	
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HEP 350: Substance Abuse and Addictive Behavior	3	C	
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Term hours subtotal: 6

Term 7 - B 78 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HSC 440: Health Coaching Concepts and Skills	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
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EXW 400: Stress Management for Wellness	3	C
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Elective	3	
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Term hours subtotal: 9

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Major Electives	3	C	
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Elective	3	
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Term hours subtotal: 6

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Major Electives	3	C	<ul style="list-style-type: none"> <li>Visit the CHS student website to explore experiential learning opportunities, including research and internships.</li> <li>Gather professional references.</li> </ul>
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Elective	3	
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Term hours subtotal: 6

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EXW 425: Exercise Prescription for Health and Wellness	3	C	
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Upper Division Major Electives	3	C
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Term hours subtotal: 6

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
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Experiential Learning Course	3	C	<ul style="list-style-type: none"> <li>Visit the CHS student website to explore experiential learning opportunities, including research and internships.</li> </ul>
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Elective	3	
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Term hours subtotal: 6

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ NTR 360: Nutrition Entrepreneurship	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities.</li> </ul>
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Elective	3	
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Term hours subtotal: 6

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Elective	3
Term hours subtotal:	3

Hide Course List(s)/Track Group(s)

Major Electives	Experiential Learning Course
CHS 394: CHS Peer Instructional Facilitator	CHS 280: Experiential Community Health and Research
CHS 494: Advanced Undergraduate Teaching Assistant	CHS 394: CHS Peer Instructional Facilitator
EXW 302: Fundamentals of Wellness (L)	CHS 484: Student Outbreak Response Team
EXW 325: Fitness for Life	CHS 484: Translational Research
HCR 342: Mind-Body and Energy Therapies and Modalities	CHS 494: Advanced Undergraduate Teaching Assistant
HEP 303: Human Sexuality for Health Education	CHS 494: Contact Tracing in Population Health
HEP 361: Social Media and Marketing for Health	CHS 494: Undergraduate Research
HEP 371: Conflict Management and Mediation and Violence Prevention	HSC 441: Applied Health Coaching Techniques
HEP 380: Body Image and Wellness	HSC 484: Internship
HEP 443: Emotional Health and Interpersonal Relationships	
HEP 466: Health Promotion Program Management and Administration	
HEP 476: Community Health	
HSC 441: Applied Health Coaching Techniques	
NTR 345: Development of Healthy Cuisines	
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability	
NTR 453: Nutrition and the Media	
PBH 422: Health Disparities and Access to Health	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### International Public Health, BIPH

School/College: [College of Health Solutions](#)

Location: [Online, ASU Local@Los Angeles](#)

NHIPHBIPH

Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ASU 101-UC: The ASU Experience	1		
BIO 100: The Living World (SQ)	4	C	
Term hours subtotal:	8		
Term 1 - B 8 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
MAT 117: College Algebra (MA)	3	C	
Term hours subtotal:	6		
Term 2 - A 14 - 21 Credit Hours	Hours	Minimum Grade	Notes
ASB 100: Introduction to Global Health (SB & G)	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
BIO 160: Introduction to Anatomy and Physiology (SQ)	4	C	
Term hours subtotal:	7		
Term 2 - B 21 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSC 210: Cultural Aspects of Health (C)	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a>.</li> <li>CHS 201 is offered by University of New South Wales.</li> </ul>
CHS 201: International Indigenous Health	3	C	
POP 100: Introduction to Population Health	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	9		
Term 3 - A 30 - 36 Credit Hours	Hours	Minimum Grade	Notes
CHS 301: Epidemiology for International Public Health	3	C	<ul style="list-style-type: none"> <li>CHS 301 is offered by University of New South Wales.</li> </ul>
HCD 300: Biostatistics (CS)	3	C	
Term hours subtotal:	6		
Term 3 - B 36 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

CHS 303: Health Promotion	3	C
CHS 304: Communicable Disease	3	C
🚩 Complete First-Year Composition requirement.		
🚩 Complete Mathematics (MA) requirement.		
Term hours subtotal:	6	

- All courses are offered by University of New South Wales.

Summer 3 42 - 48 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 CHS 306: Public Health Policy & Programs	3	C	• CHS 306 is offered by University of New South Wales.
Elective	3		
Term hours subtotal:	6		

Term 4 - A 48 - 54 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 CHS 305: Principles of Prevention & Public Health Surveillance	3	C	• CHS 305 and CHS 309 are offered by University of New South Wales.
CHS 309: Global Chronic Disease Prevention and Control OR MED 445: Prevention and Management of Chronic Disease	3	C	
Term hours subtotal:	6		

Term 4 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	6		

Term 5 - A 60 - 66 Credit Hours	Hours	Minimum Grade	Notes
CHS 401: Ethics in Public Health	3	C	• CHS 401 is offered by University of New South Wales.
PBH 410: Public Mental Health	3	C	
Term hours subtotal:	6		

Term 5 - B 66 - 72 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ HCD 201: Economics for Health Majors	3	C	• Develop your professional online presence.
PBH 435: Environmental and Occupational Health	3	C	
Term hours subtotal:	6		

Summer 5 72 - 81 Credit Hours	Hours	Minimum Grade	Notes
CHS 307: Health Leadership OR MED 450: Leadership and Professionalism	3	C	• CHS 307 is offered by University of New South Wales.
CHS 308: Comparative Health Systems	3	C	
HCD 332: Population Health Policy and Legislation	3	C	
Term hours subtotal:	9		

Term 6 - A 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
ASB 301: Global History of Health (SB & G & H)	3	C	• Secure a part-time job or volunteer experience.
HCD 400: Interpreting the Scientific Literature	3	C	
Term hours subtotal:	6		

Term 6 - B 87 - 96 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
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★ MED 300: Historical and Contemporary Issues in Health (L)	3	C
Humanities, Arts and Design (HU)	3	
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	9	

Term 7 - A 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PBH 482: Capstone I	1	C	
Complete 2 courses:			
Elective	5		
Term hours subtotal:	6		

Term 7 - B 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PBH 483: Capstone II	3	C	• Use Handshake to research employment opportunities.
HCD 302: Health Care Management	3	C	
Term hours subtotal:	6		

Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Literacy and Critical Inquiry (L)	3		• Gather professional references.
Elective	3		
Term hours subtotal:	6		

Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB)	3		• Apply for full-time career opportunities.
Elective	3		
Term hours subtotal:	6		

- Courses are offered by both Arizona State University and the University of New South Wales (UNSW) in Sydney, Australia. Students should work closely with their academic advisor regarding class selection and enrollment -- particularly those offered through UNSW.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

Total Hours: 120

General University Requirements Legend

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map






### Kinesiology, BS







School/College: College of Health Solutions

Location: Downtown Phoenix campus, ASU@Lake Havasu

NUKINBS






Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 KIN 101: Introduction to Kinesiology	3	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>If student did not test into MAT 170, then take MAT 117 as the elective in term 1.</li> <li>Students who enter the major as freshmen must complete CHS 100; students who enter the major with more than 45 hours may complete CHS 300 instead.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
BIO 181: General Biology I (SQ)	4	C	
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		




Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	
 MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experiences</b>.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
 PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
 Minimum 3.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			



Term hours subtotal: 14

Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Review scholarship renewal criteria to ensure adequate enrollment.</li> </ul>
 KIN 290: Introduction to Evidence-Based Practice (L)	3	C	
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Elective	3		
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 5 59 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 KIN 345: Motor Behavior	3	C	<ul style="list-style-type: none"> <li>• Develop your professional <b>online presence</b>.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> </ul>
 KIN 352: Psychosocial Aspects of Physical Activity (SB & C)	3	C	
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:		16	

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 KIN 335: Biomechanics	3	C	<ul style="list-style-type: none"> <li>• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>• Gather <b>professional references</b>.</li> </ul>
 KIN 340: Physiology of Exercise	3	C	
Experiential Learning Course	3	C	
Upper Division KIN Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 KIN 334: Functional Anatomy and Kinesiology	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
KIN course (L) Upper Division	3	C	
Complete 2 courses:	6	C	
Upper Division KIN Elective			
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 3 courses:	9	C	
Upper Division KIN Elective			
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:		15	

Hide Course List(s)/Track Group(s)

Upper Division KIN Elective	Experiential Learning Course
CHS 394: CHS Peer Instructional Facilitator	CHS 280: Experiential Community Health and Research
CHS 492: Honors Directed Study	CHS 394: CHS Peer Instructional Facilitator
CHS 493: Honors Thesis (L)	CHS 484: Student Outbreak Response Team
CHS 494: Advanced Undergraduate Teaching Assistant	CHS 484: Translational Research
CHS 494: Undergraduate Research	CHS 493: Honors Thesis (L)
CHS 499: Individualized Instruction	CHS 494: Advanced Undergraduate Teaching Assistant
HCR 471: Interprofessional Education and Community Health	CHS 494: Contact Tracing in Population Health
HCR 472: Interprofessional Education and Complex Health	CHS 494: Undergraduate Research
HCR 473: Interprofessional Education and Comprehensive Systems Health	HCR 471: Interprofessional Education and Community Health
KIN 348: Psychological Skills for Optimal Performance (SB)	KIN 484: Internship
KIN 412: Biomechanics of the Skeletal System	
KIN 413: Qualitative Analysis in Sport Biomechanics	
KIN 414: Electromyographic Kinesiology (L)	
KIN 415: Theory of Corrective Exercise	
KIN 418: Experimental Neuromechanics	
KIN 421: Human Motor Control (L)	
KIN 422: Motor Control in Special Populations (L)	
KIN 423: Motor Control and Aging (L)	
KIN 424: Neural Aspects of Movement and Rehabilitation	
KIN 440: Exercise Biochemistry	
KIN 441: Physiology of Women in Sport (L)	
KIN 442: Fuel Metabolism	
KIN 443: Exercise Endocrinology (L)	
KIN 444: Metabolic Adaptations to Exercise Training	
KIN 446: Pediatric Obesity	
KIN 447: ECG Interpretation	

KIN 450: Biopsychosocial Perspectives on Physical Activity and Health

KIN 452: Exercise Psychology (SB)

KIN 454: Motivational Theory in Exercise and Health

KIN 460: Theory of Strength Training (L)

KIN 465: Muscle Physiology

KIN 466: Cardiovascular Exercise Physiology

KIN 484: Internship

KIN 494: Advanced Exercise Physiology

KIN 494: Functional Anatomy of Low Back Pain

PRM 364: Foundations of Recreation Therapy (SB)

PRM 384: Recreational Therapy Practicum

SSP 316: Exercise and Sport Physiology Laboratory

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students interested in applying to Physical Therapy graduate programs should major in Kinesiology.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Medical Studies, BS

School/College: [College of Health Solutions](#)




Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [West campus](#)





NHMEDBS






Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Explore <b>pre-health resources</b>.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Meet with a <b>pre-health advisor</b> to discuss coursework and extracurricular activities.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Research <b>career pathways</b> and decide on a professional track prior to registering for the next term.</li> <li>Students who enter the major as freshmen must complete CHS 100; students who enter the major with more than 45 hours should complete CHS 300.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HSC 210: Cultural Aspects of Health (C)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	17		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	<ul style="list-style-type: none"> <li>Research professional schools and their admission requirements, including required courses.</li> <li>Start volunteering for health organizations and shadowing health professionals to learn more about opportunities in the field.</li> <li>Develop your <b>skills</b>.</li> <li>The course chosen from the list in this term (SOC 101, CDE 232, ECN 211, COM 100) should be selected from the Professional</li> </ul>
Professional Track Courses	4	C	
PSY 101: Introduction to Psychology (SB)	3	C	
SOC 101: Introductory Sociology (SB) OR CDE 232: Human Development (SB) OR ECN 211: Macroeconomic Principles (SB) OR COM 100: Introduction to Human Communication (SB)	3	C	
 Complete Mathematics (MA) requirement. Minimum 3.00 GPA ASU Cumulative.			

Term hours subtotal: 14

Track the student is following. If the track does not specify one of the courses, ECN 211 is recommended.

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	<ul style="list-style-type: none"> <li>• Begin thinking about preparation for professional school entrance exams.</li> <li>• Learn about the <b>Pre Health Internship Program</b>.</li> <li>• Continue volunteering and shadowing in health organizations.</li> </ul>
Professional Track Courses	4	C	
Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>• Study for the professional school entrance exam and register to take it in the spring or summer of your junior year.</li> <li>• Update your <b>resume</b>.</li> <li>• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>• Students must have a minimum ASU cumulative GPA of 3.00 or higher to apply for the MED 484 internship.</li> </ul>
 HCD 300: Biostatistics (CS)	3	C	
MED 320: Applied Medical/Health Care Ethics (HU)	3	C	
Upper Division Medical Studies Breadth Elective	3	C	
Elective	1		
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 6 74 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>• Take the professional school entrance exam.</li> <li>• Meet with a <b>pre-health advisor</b> to review your professional school application.</li> <li>• Apply early!</li> </ul>
 Professional Track Courses	3	C	
HSC 310: Health Communication	3	C	
Upper Division Experiential Learning Course	3	C	
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCD 303: Global Health Care Systems (G)	3	C	<ul style="list-style-type: none"> <li>• If your track requires more than three courses, extra courses will be taken in place of the elective.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• Continue gaining hands on experience.</li> </ul>
MED 300: Historical and Contemporary Issues in Health (L)	3	C	
Complete 2 courses:			
Upper Division Medical Studies Breadth Elective	6	C	
Elective	3		
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ HCD 330: Health Care Systems in the U.S.	3	C
MED 450: Leadership and Professionalism	3	C
Upper Division Humanities, Arts and Design (HU)	3	
Complete 2 courses: Upper Division Elective	6	
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

- Students in the MD track who plan to apply to University of Arizona Medical School in Tucson must complete an upper division course in Cell Biology, Histology, Microbiology, Pathology, or Immunobiology as well as an upper division course in Molecular Biology. This means that at least one of the upper division electives should come from the courses in the Medical Breadth Electives.

Hide Course List(s)/Track Group(s)

Occupational Therapy Professional Track	Pharmacy Professional Track	Medicine (MD/DO) Professional Track
CHS 260: Health Professions Terminology	COM 225: Public Speaking (L)	BIO 340: General Genetics
PSY 341: Developmental Psychology (SB)	MAT 251: Calculus for Life Sciences (MA)	MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)
PSY 366: Abnormal Psychology (SB)	MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
SOC 400: Perspectives on Aging (SB) or SOC 410: Race, Medicine, and the Body (L) or SOC 418: Aging and the Life Course (SB & H) or SOC 424: Women and Health (SB) or SOC 426: Social Inequality (SB) or SOC 427: Sociology of Health and Illness (SB)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)
Optometry Professional Track	Dentistry Professional Track	Experiential Learning Course
MAT 251: Calculus for Life Sciences (MA)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	CHS 484: Translational Research
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	CHS 493: Honors Thesis (L)
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	MIC 205: Microbiology (SG)	CHS 494: Undergraduate Research
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)		HSC 484: Internship
		MED 484: Internship
		MED 494: Introduction To Clinical Healthcare
Physician Assistant (PA) Professional Track	Medical Studies Breadth Electives	Integrative Health (ND/NMD/DC) Professional Track
BIO 340: General Genetics	BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	BIO 340: General Genetics
CHS 260: Health Professions Terminology	BIO 353: Cell Biology	HSC 300: Complementary Health Care
MIC 205: Microbiology (SG)	BIO 355: Introduction to Computational Molecular Biology (CS)	MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)
MIC 206: Microbiology Laboratory (SG)	BIO 360: Animal Physiology	PSY 341: Developmental Psychology (SB)
	BIO 420: Immunology: Molecular and Cellular Foundations	

BIO 475: Advanced Human Anatomy
BMI 332: Team Dynamics for Healthcare IT Projects
BMI 404: Clinical Environments
CHS 340: Health Theory
HCD 302: Health Care Management
HCD 332: Population Health Policy and Legislation
HCD 402: Health Economics
HCD 403: Process Engineering
HCD 404: Advanced Concepts in the Science of Health Care Delivery
HCD 420: Population Health Management
HCD 484: Internship
HSC 410: Supporting the Health of Older Adults
HSC 412: Health Issues in Later Life
MED 325: Elements of Hospice and Palliative Care
MED 394: Healthcare and Humanities
MED 375: Alzheimer's and Other Dementias (SB)
MED 417: Impact of Violence on Health
MED 445: Prevention and Management of Chronic Disease
MED 475: Palliative Care: Managing Complex Serious Illness
MED 484: Internship
PBH 422: Health Disparities and Access to Health

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students interested in applying to Physical Therapy graduate programs should major in Kinesiology.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Nutritional Science, BS

School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#)

NHNUSCIBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Students who enter the major as first-year students must complete CHS 100; students who enter the major with more than 45 hours should complete CHS 300.</li> <li>Students interested in graduate school are recommended to take MAT 170.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 241: Human Nutrition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NTR 142: Applied Food Principles	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
BIO 201: Human Anatomy and Physiology I (SG)	4	C	
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR HCD 300: Biostatistics (CS)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 46 - 60 Credit Hours Critical course signified by ⚠	Hours	Grade	Notes
⚠ BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Use <b>Handshake</b> to research <b>employment opportunities</b>.</li> </ul>
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Complete 2 courses:			
Elective	6		
Term hours subtotal:	14		

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 290: Introduction to Evidence-Based Research in Nutrition (L)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 341: Medical Nutrition Therapy I	3	C	<ul style="list-style-type: none"> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Students must select one of the two tracks listed below to complete the degree.</li> <li>CHS 260 recommended for Integrative Nutrition track; NTR 390 recommended for Nutrition Research track</li> </ul>
BCH 361: Advanced Principles of Biochemistry	3	C	
Track Focus Area Course	3	C	
Complete 2 courses:			
Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:			<ul style="list-style-type: none"> <li>NTR 350 and NTR 480 recommended for Integrative Nutrition track</li> <li>CHS 494: Capstone and NTR 490 recommended for Nutrition Research track</li> </ul>
Upper Division Track Focus Area Course	6	C	
HSC 355: Eating for Lifelong Health (SB) OR NTR 450: Nutrition in the Life Cycle (SB)	3	C	
NTR 440: Advanced Human Nutrition I	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Track Focus Area Course	3	C	<ul style="list-style-type: none"> <li>CHS 494: Capstone recommended for both tracks</li> </ul>
NTR 441: Advanced Human Nutrition II	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14		

- Students must select one of the two tracks to complete the degree.
- The Research track requires students to six credits of CHS 494 Capstone.

Hide Course List(s)/Track Group(s)

Integrative Nutrition	Nutrition Research
CHS 260: Health Professions Terminology	CHS 494: Capstone
CHS 494: Capstone	CHS 494: Capstone
NTR 350: Nutrition Counseling	NTR 390: Current Nutrition Research
NTR 480: Integrative and Functional Nutrition	NTR 490: Undergraduate Research Methods in Nutrition

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map


### Population Health, BS

School/College: [College of Health Solutions](#)


Location: [Downtown Phoenix campus](#), [West campus](#)


NHPOPHLBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students interested in pursuing graduate school should take a higher level math in term 1 (or later as an elective for those placing into MAT 117 in term 1).</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 117: College Algebra (MA)	3	C	
SOC 101: Introductory Sociology (SB)	3	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Students who enter as first-year students must complete CHS 100; students who enter with more than 45 hours may complete CHS 300.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
POP 100: Introduction to Population Health	3	C	
Elective (SOS 110 OR SOS 111 recommended)	3		
 Complete ENG 101 or ENG 105 or ENG 107 course(s)	0		
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHS 280: Experiential Community Health and Research	3		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experiences</b>.</li> <li>Become a student member of a professional organization.</li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses:			
Elective (NTR 100 recommended)	6		
 Complete Mathematics (MA) requirement	0		
Term hours subtotal:	15		
Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

 HCD 201: Economics for Health Majors OR ECN 211: Macroeconomic Principles (SB)	3	C
BMI 102: Introduction to Population Health Informatics	3	C
Literacy and Critical Inquiry (L)	3	
<i>Complete 2 courses:</i>		
Elective ( ENG 203 OR HEP 102 OR MED 394 recommended)	6	
Term hours subtotal:	15	

- Explore an **internship**.
- MED 394: Topic: Healthcare and Humanities recommended

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 CHS 340: Health Theory	3	C
HCD 300: Biostatistics (CS)	3	C
HSC 310: Health Communication	3	C
MED 320: Applied Medical/Health Care Ethics (HU)	3	C
POP 333: Systems Thinking in Population Health	3	C
Term hours subtotal:	15	


- Gather **professional references**.

Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 EXW 450: Social Determinants of Health and Health Behavior (L or SB) & C)	3	C
 HCD 332: Population Health Policy and Legislation	3	C
 HEP 444: Epidemiology	3	C
HCD 402: Health Economics	3	C
PBH 422: Health Disparities and Access to Health	3	C
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	


- Develop your **professional online presence**.

Term 7 90 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 <i>Complete 3 courses:</i>		
Track Focus Area Course	9	C
MED 445: Prevention and Management of Chronic Disease	3	C
Upper Division Experiential Learning Course	3	C
Term hours subtotal:	15	

- Students must choose a single track from which to complete their degree. The selected track will allow students to move confidently into a career or into an MS in Population Health.
- Visit the **CHS student website** to explore experiential learning opportunities, including research and internships.

Term 8 105 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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 Upper Division Experiential Learning Course	3	C
<i>Complete 2 courses:</i>		
Upper Division Track Focus Area Course	6	C
Track Focus Area Course	3	C
Elective (ASB 100 recommended)	3	
Term hours subtotal:	15	

- Visit the **CHS student website** to explore experiential learning opportunities, including research and internships.

- Population Health Students must choose a single track from which to complete their degree. The selected track will allow students to move confidently into a career or into an MS in Population Health.

Hide Course List(s)/Track Group(s)

<b>Health Care Compliance and Regulations Track</b>	<b>Experiential Learning Course</b>	<b>Health Education Specialist Track</b>
HCR 260: Health Care Industry and Regulation	CHS 394: CHS Peer Instructional Facilitator	HEP 241: Health Education Methods for Injury Prevention and Preparedness or HEP 251: Preventing HIV and Substance Abuse or HEP 303: Human Sexuality for Health Education or HEP 350: Substance Abuse and Addictive Behavior or HEP 361: Social Media and Marketing for Health or HEP 371: Conflict Management and Mediation and Violence Prevention or HEP 380: Body Image and Wellness or HEP 443: Emotional Health and Interpersonal Relationships or HEP 476: Community Health
HCR 261: Health Care Compliance	CHS 484: Student Outbreak Response Team	
HCR 263: Introduction to Medical Billing and Compliance	CHS 484: Translational Research	HEP 348: Methods of Health Education
HCR 360: Data Security and Privacy in Health Care Compliance	CHS 493: Honors Thesis (L)	HEP 452: Health Advocacy in Health Education
HCR 362: Monitoring and Auditing for Health Care Compliance	CHS 494: Advanced Undergraduate Teaching Assistant	HEP 454: Health Promotion Program Planning and Implementation
HCR 460: Investigations and Disclosures in Health Care Compliance	CHS 494: Contact Tracing in Population Health	HEP 456: Health Promotion Program Evaluation
HSC 432: Legal Issues in Health Care	CHS 494: Undergraduate Research	HEP 466: Health Promotion Program Management and Administration
	HCR 471: Interprofessional Education and Community Health	
	POP 444: Population Health Field Experience	
<b>Environmental Systems Track</b>	<b>Health Systems Design and Improvement Track</b>	<b>Health Informatics Track</b>
HEP 394: Health and Climate Change	HCD 304: Health Care Finance	ASM 201: Epidemics and Outbreaks
HST 345: Environmental History (L)	HCD 330: Health Care Systems in the U.S.	BMI 311: Modeling Biomedical Knowledge
PAF 340: Contemporary Policy Challenges	HCD 403: Process Engineering	BMI 312: Modeling Biomedical Data
PBH 435: Environmental and Occupational Health	HCD 420: Population Health Management	BMI 410: Database Management in Health Care
PHI 310: Environmental Ethics (HU)	HEP 454: Health Promotion Program Planning and Implementation	GIS 205: Geographic Information Science I (CS)
PUP 301: Introduction to Urban Planning (L)	HSC 432: Legal Issues in Health Care	GIS 211: Geographic Information Science II (CS)
SGS 330: Globalization and the Environment: Problems and Solutions	SOC 427: Sociology of Health and Illness (SB)	
SOS 494: Social-ecological Systems & Adaptation		
<b>Mental Health Systems Track</b>	<b>Food Systems Track</b>	
EXW 400: Stress Management for Wellness	AGB 414: Food and Agribusiness Policy Issues (L)	
HCD 420: Population Health Management	ASB 300: Food and Culture ((L or SB) & C)	
HEP 350: Substance Abuse and Addictive Behavior	HCR 494: Food Safety and Protection	
	MCO 494: Food and Media	

HEP 443: Emotional Health and Interpersonal Relationships	NTR 348: Cultural Aspects of Food (SB & C & G)
MED 417: Impact of Violence on Health	PAF 340: Contemporary Policy Challenges
PAF 340: Contemporary Policy Challenges	SOS 110: Sustainable World (SB) or SOS 111: Sustainable Cities ((HU or SB) & G)
PBH 410: Public Mental Health	SOS 327: Sustainable Food and Farms

**Notes:**

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**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Public Health, BS



School/College: [College of Health Solutions](#)



Location: [Downtown Phoenix campus](#)




NHPBHBS



Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Students interested in pursuing a masters in public health program are encouraged to take MAT 117.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
 CHS 101: The ASU Experience for Health Solutions Students	1		
 POP 100: Introduction to Population Health	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300 instead.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	<ul style="list-style-type: none"> <li>Create a first draft <a href="#">resume</a></li> </ul>
 HEP 102: Foundations of Health Education and Health Promotion	3	C	
HCD 201: Economics for Health Majors OR ECN 211: Macroeconomic Principles (SB)	3	C	
Complete 2 courses: Elective	5		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		





Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSC 210: Cultural Aspects of Health (C)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> </ul>
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	
Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective (ASB 100 recommended)	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCD 300: Biostatistics (CS)	3	C	<ul style="list-style-type: none"> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b></li> </ul>
HCD 330: Health Care Systems in the U.S.	3	C	
HSC 310: Health Communication	3	C	
MED 320: Applied Medical/Health Care Ethics (HU)	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HEP 444: Epidemiology	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b></li> </ul>
CHS 340: Health Theory	3	C	
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C	
HCD 332: Population Health Policy and Legislation	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HEP 454: Health Promotion Program Planning and Implementation	3	C	<ul style="list-style-type: none"> <li>Research <b>employment opportunities</b></li> </ul>
HCD 400: Interpreting the Scientific Literature	3	C	
PBH 422: Health Disparities and Access to Health	3	C	
PBH 435: Environmental and Occupational Health	3	C	
 POP 444: Population Health Field Experience	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HEP 456: Health Promotion Program Evaluation	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b></li> </ul>
HCD 302: Health Care Management	3	C	
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map


### Science of Health Care Delivery, BS

School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#)



NHHCDBS



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> <li>Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students	3	C	
MAT 117: College Algebra (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POP 100: Introduction to Population Health	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> <li>Create a first draft <b>resume</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students	3	C	
PHI 105: Intro to Ethics (HU)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective ( CIS 105 recommended)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSC 210: Cultural Aspects of Health (C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 3 courses: Elective ( ACC 231 OR HSE 101 OR LAW 210 OR OGL 200 recommended)	9		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes



 HCD 201: Economics for Health Majors	3	C
SOC 101: Introductory Sociology (SB)	3	C
Complete 3 courses:		
Elective ( SOC 270 recommended)	9	
Term hours subtotal:	15	

- Explore an **internship**

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HCD 300: Biostatistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Update your <b>resume</b></li> </ul>
HCD 302: Health Care Management	3	C	
HSC 310: Health Communication	3	C	
MED 320: Applied Medical/Health Care Ethics (HU)	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
HCD 303: Global Health Care Systems (G)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
HCD 304: Health Care Finance	3	C	
HCD 330: Health Care Systems in the U.S.	3	C	
HCD 332: Population Health Policy and Legislation	3	C	
HCD 420: Population Health Management	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HCD 402: Health Economics	3	C	<ul style="list-style-type: none"> <li>• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> <li>• Students must have a 2.0 ASU cumulative GPA to enroll in HCD 484: Internship.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
HSC 432: Legal Issues in Health Care	3	C	
MED 300: Historical and Contemporary Issues in Health (L)	3	C	
MED 450: Leadership and Professionalism	3	C	
Health Administration and Policy Course	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HCD 404: Advanced Concepts in the Science of Health Care Delivery	3	C	<ul style="list-style-type: none"> <li>• Visit the <b>CHS student website</b> to explore experiential learning opportunities, including research and internships.</li> </ul>
HCD 403: Process Engineering	3	C	
PBH 422: Health Disparities and Access to Health	3	C	
Experiential Learning Course	3	C	
Health Administration and Policy Course	3	C	
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Experiential Learning Course	Health Administration and Policy Course
CHS 394: CHS Peer Instructional Facilitator	ASB 376: Global Health Policy

CHS 484: Student Outbreak Response Team	HCD 400: Interpreting the Scientific Literature
CHS 484: Translational Research	HCI 421: Health Care Policy: The Innovator's View
CHS 493: Honors Thesis (L)	HSC 300: Complementary Health Care
CHS 494: Advanced Undergraduate Teaching Assistant	MED 394: Healthcare and Humanities
CHS 494: Contact Tracing in Population Health	MED 417: Impact of Violence on Health
CHS 494: Undergraduate Research	MGT 380: Management and Strategy for Nonmajors
HCD 484: Internship	MGT 420: Human Resource Management
HCR 471: Interprofessional Education and Community Health	OGL 300: Theory and Practice of Leadership
	OGL 320: Foundations of Project Management
	PBH 410: Public Mental Health

**Notes:**

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- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map










### Speech and Hearing Science, BS

School/College: College of Health Solutions

Location: Tempe campus

LASHSBS

The BS/MS accelerated option for this program is not currently available to ASU Online students.

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHS 101: The ASU Experience for Health Solutions Students	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 PSY 101: Introduction to Psychology (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS)	3	C	
 SHS 205: Exploring Communication Disorders in Children and Adults	3	C	

BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) 4 C

Complete 2 courses:

Elective 6

Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Maintain 2.80 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SHS 250: Introduction to Phonetics	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SHS 310: Anatomical and Physiological Bases of Speech	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
★ SHS 311: Hearing Science	3	C	
ENG 301: Writing for the Professions (L)	3	C	
SHS 367: Language Science (SB)	3	C	
Elective	3		
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SHS 375: Speech Science	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
★ SHS 401: Principles of Audiology	3	C	
SHS 465: Speech and Language Acquisition (SB)	3	C	
Complete 2 courses:			
Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SHS 470: Developmental Speech and Language Disorders	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Visit the <a href="#">CHS student website</a> to explore experiential learning opportunities, including research and internships.</li> </ul>
SHS 496: Aural Rehabilitation	3	C	
Complete 2 courses:			
Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SHS 485: Acquired Speech and Language Disorders	3	C	

SHS 402: Clinical Methods and Treatment of Communication Disorders	3	C
Experiential Learning Course	3	C
Upper Division Elective	3	
Term hours subtotal:		12

- Visit the [CHS student website](#) to explore experiential learning opportunities, including research and internships.

Hide Course List(s)/Track Group(s)

Experiential Learning Course
CHS 280: Experiential Community Health and Research
CHS 394: CHS Peer Instructional Facilitator
CHS 484: Student Outbreak Response Team
CHS 484: Translational Research
CHS 493: Honors Thesis (L)
CHS 494: Advanced Undergraduate Teaching Assistant
CHS 494: Contact Tracing in Population Health
CHS 494: Undergraduate Research
SHS 484: Internship
SHS 484: SLPA Certificate
SHS 498: Advanced Research Experience in Speech/Hearing Sci (L)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)



General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map








### Speech and Hearing Science, BS

School/College: [College of Health Solutions](#)

Location: [Online, ASU Local@Los Angeles](#)

LASHSBS

The BS/MS accelerated option for this program is not currently available to ASU Online students.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-ONL: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Students who enter as freshmen must complete CHS 100; students who enter with more than 45 hours should complete CHS 300.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS)	3	C	
⚠ SHS 205: Exploring Communication Disorders in Children and Adults	3	C	
⚠ Complete First-Year Composition requirement.			
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		
Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
Elective	3		
⚠ Complete Mathematics (MA) requirement.			
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		
Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PHY 101: Introduction to Physics (SQ)	4	C	• Create a first draft <b>resume</b> .
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		
Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Elective	3		
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		
Term 5 - A 51 - 54 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ SHS 250: Introduction to Phonetics	3	C	
Term hours subtotal:	3		
Term 5 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
SHS 367: Language Science (SB)	3	C	• Use Handshake to research <b>employment opportunities</b>
Upper Division Elective	3		
Term hours subtotal:	6		
Term 6 - A 60 - 66 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ SHS 310: Anatomical and Physiological Bases of Speech	3	C	
ENG 301: Writing for the Professions (L)	3	C	
Term hours subtotal:	6		
Term 6 - B 66 - 72 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes

★ SHS 311: Hearing Science	3	C
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

- Complete an in person or virtual practice interview.

Term 7 - A 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 375: Speech Science	3	C
Elective	3	
Term hours subtotal:	6	

Term 7 - B 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 485: Acquired Speech and Language Disorders	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

Term 8 - A 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 465: Speech and Language Acquisition (SB)	3	C
Elective	3	
Term hours subtotal:	6	

Term 8 - B 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 470: Developmental Speech and Language Disorders	3	C
Elective	3	
Term hours subtotal:	6	

Term 9 - A 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
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Elective	3	
Upper Division Elective	3	
Term hours subtotal:	6	

- Visit the CHS student website to explore experiential learning opportunities, including research and internships.
- Gather professional references.

Term 9 - B 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 402: Clinical Methods and Treatment of Communication Disorders	3	C
Elective	3	
Term hours subtotal:	6	

Term 10 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SHS 401: Principles of Audiology	3	C
Experiential Learning Course	3	C
Term hours subtotal:	6	

- Visit the CHS student website to explore experiential learning opportunities, including research and internships.

Term 10 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
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SHS 496: Aural Rehabilitation	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

Hide Course List(s)/Track Group(s)

Experiential Learning Course
CHS 280: Experiential Community Health and Research
CHS 394: CHS Peer Instructional Facilitator
CHS 484: Student Outbreak Response Team
CHS 484: Translational Research
CHS 494: Advanced Undergraduate Teaching Assistant
CHS 494: Contact Tracing in Population Health
CHS 494: Undergraduate Research
SHS 484: Internship

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Sports Science and Performance Programming, BS




School/College: [College of Health Solutions](#)

Location: [Downtown Phoenix campus](#)

NHSPTSPPBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 KIN 101: Introduction to Kinesiology	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students interested in pursuing graduate school should take a higher level math in term 1 (or later as an elective for those placing into MAT 117 in term 1).</li> <li>Join the <a href="#">Athletics Affinity Network</a>.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	
CHS 101: The ASU Experience for Health Solutions Students	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	14		

Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Students who enter the major as freshmen must complete CHS 100; students who enter the major with more than 45 hours may complete CHS 300 instead.</li> <li>Review scholarship renewal criteria to ensure adequate enrollment.</li> </ul>
CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Complete ENG 101 or ENG 105 or ENG 107 course(s)	0		
Term hours subtotal:	15		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> <li>Become a student member of a professional organization.</li> <li>Review experiential learning opportunities or explore an <a href="#">internship</a> to prepare for SSP 275 in Term 4.</li> </ul>
NTR 241: Human Nutrition	3	C	
SSP 242: Resistance Training Foundations for Performance	3	C	
STP 226: Elements of Statistics (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR HCD 300: Biostatistics (CS)	3	C	
Elective	3		
 Complete Mathematics (MA) requirement	0		

⚠ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Practical experience is highly recommended.</li> <li>• Attend a local clinic or conference.</li> </ul>
⚠ KIN 290: Introduction to Evidence-Based Practice (L)	3	C	
SSP 275: Experiential Seminar for Sports Science	3	C	
Complete 2 courses: Elective	6		
⚠ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SSP 325: Applied Anatomy and Biomechanics of Sport and Movement	4	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> <li>• Thinking about graduate school? Consider registering for a <b>grad school test prep course</b>.</li> </ul>
SSP 315: Exercise and Sport Physiology AND SSP 316: Exercise and Sport Physiology Laboratory	4	C	
Upper Division Major Electives	3	C	
Upper Division Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 14

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SSP 434: Plyometrics, Sports Movement and Conditioning	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• Students are required to attend a pre-internship workshop prior to enrolling in SSP 484.</li> <li>• Review scholarship renewal criteria to ensure adequate enrollment.</li> </ul>
★ SSP 460: Resistance Training Application and Theory	3	C	
KIN 348: Psychological Skills for Optimal Performance (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SSP 461: Performance Programming Components and Periodization	3	C	<ul style="list-style-type: none"> <li>• Students that plan to sit for the CSCS exam may want to take SSP 484 as an Upper Division Major Elective.</li> <li>• Students are required to attend a pre-internship workshop prior to enrolling in SSP 484.</li> </ul>
SSP 423: Performance Testing and Technology	3	C	
Upper Division Major Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SSP 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Register for CSCS exam.</li> </ul>



Upper Division Major Electives	3	C
Upper Division Elective	1	
Complete 3 courses: Elective	8	
Term hours subtotal:	15	

- Students that plan to sit for the CSCS exam must complete a total of 6 credits of SSP 484: Internship.
- SSP 484 fulfills the college's experiential learning requirement.

Hide Course List(s)/Track Group(s)

Major Electives
CHS 394: CHS Peer Instructional Facilitator
CHS 494: Advanced Undergraduate Teaching Assistant
CHS 494: Undergraduate Research
CHS 499: Individualized Instruction
KIN 345: Motor Behavior
KIN 415: Theory of Corrective Exercise
KIN 424: Neural Aspects of Movement and Rehabilitation
KIN 441: Physiology of Women in Sport (L)
KIN 465: Muscle Physiology
NTR 457: Sports Nutrition
NTR 494: Applied Practice in Nutrition
SSP 320: Coaching Leadership, Performance Team and Facility Management
SSP 484: Internship

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## Barrett Academic Course Requirements

Honors students must maintain high standards of academic performance and show progress toward completion of graduation requirements in their disciplinary majors and in Barrett. In order to graduate from Barrett, students must complete the following, which includes 36 credit hours of honors coursework:

1. [\*HON 171 The Human Event\*](#) and [\*HON 272 The Human Event\*](#) must be completed in sequence during a student's first two semesters in the college.
2. Thirty additional credit hours of honors coursework must be earned with a letter grade of "C" (2.00) or higher. This may include [HON](#) prefix classes, honors sections of classes, honors enrichment contracts or any automatic honors courses.
3. Included in the 36 credit hours of honors coursework are at least 18 hours of upper-division or graduate-level honors credits for an earned letter grade of "C" (2.00) or higher, including six credit hours of honors coursework outside the academic major. Students should investigate specialized honors upper-division tracks within their majors.
4. Those admitted as upper-division transfer students (students who, after high school, completed 48 university credits by the time of planned enrollment in Barrett) must complete [\*HON 370 History of Ideas\*](#) in addition to the 18 required hours of upper-division honors coursework. Six of the 21 honors credits must be outside the academic major. A total of 21 hours of upper-division honors coursework are required for these upper-division transfers.
5. Students are required to complete an honors thesis or creative project that will earn them a maximum of six credit hours. These credit hours will be included in the 18 required hours of upper-division honors coursework. The honors thesis or creative project is launched with a prospectus due one academic year before the defense. Prior to enrolling in credit for thesis or creative project work, students must complete a required preparatory workshop or course. The final copy of the honors thesis or creative project must be filed by the posted deadline during the student's graduation semester.
6. ASU graduation requirements in an academic major must be met.
7. Students must earn a cumulative GPA of 3.25 or higher by graduation.

Barrett course requirements may be met in a variety of ways. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet Barrett requirements.

Those entering the college as lower-division students may take as many as 18 lower-division honors credits, which include [\*HON 171 The Human Event\*](#) and [\*HON 272 The Human Event\*](#), and at least 18 upper-division credits (total honors credits must be 36). [\*HON 171\*](#) and [\*HON 272\*](#) are transdisciplinary seminars that acquaint students with ideas that form the foundation of a university education and emphasize critical thinking, discussion and writing.

Those who enter as upper-division students must take 21 upper-division honors credits, including [\*HON 370 History of Ideas\*](#) taught by an Honors Faculty Fellow. Junior-level seminar courses introduce students

to critical thinking, discussion and writing in a topical area chosen by the instructor. All students are expected to complete this course during the first semester upon transferring.

Departmental honors-only courses are limited to honors students. Enrollment in these courses is limited. Compared to their nonhonors equivalents, these courses are designed to offer a richer, more complex intellectual experience appropriate to the discipline and the level of the course for all students enrolled. Other disciplinary honors courses group honors students in small cohorts to work on research projects of common interest.

Honors enrichment contracts are available in many departmental courses, allowing honors students to contract with the instructors of designated nonhonors courses to earn honors credit by pursuing enrichment activities, which include supplemental sessions with the instructor. Honors enrichment contracts must be filed by the student during the first four weeks of class and be completed during the semester in which the course is offered. The enrichment contract form offers guidelines to aid students and faculty in developing appropriate contracts.

Courses reserved for students in Barrett and that always count for honors credit are those listed in the online [ASU Class Search/Course Catalog](#) as course numbers 492 *Honors Directed Study*, 493 *Honors Thesis*, 497 *Honors Colloquium*; all classes with the [HON](#) prefix; and those with a departmental prefix that carry the honors designation.

Departmental courses numbered 492 and 493 are reserved for honors students completing their honors thesis or creative project. A student may enroll for these courses only with the approval of the sponsoring academic department and of the faculty member who serves as the student's thesis or creative project director. Course numbers listed in the online ASU schedule of classes as 493 fulfill the student's upper-division literacy and critical inquiry (L) General Studies requirement.

Specific courses carry automatic honors credit. These include:

[ACT 310 Mathematics of Finance](#)

[ACT 430 Mathematics of Financial Derivatives](#)

[CEE/CNE 212 Engineering Mechanics II: Dynamics](#)

[CEE 486 Integrated Civil Engineering Design](#)

[CHE 211 Introduction to Chemical Processing](#)

[CPI 310 Web-Based Information Management Systems](#)

[CSE 230 Computer Organization and Assembly Language Programming](#)

[EEE 230 Computer Organization and Assembly Language Programming](#)

[ENG 105 Advanced First-Year Composition](#)

[FSE 104 EPICS Gold Feasibility and Planning](#)

[FSE 150 Perspectives in Grand Challenges for Engineering](#)

[GRK 101 Elementary Ancient Greek](#)

[LAT 421 Roman Literature](#)

[PHY 201 Mathematical Methods in Physics I](#)

[PHY 333 Electronic Circuits and Measurements](#)

Graduate-level courses, 500 level and above, taught in an in-person format automatically earn honors credit.

For a full list of honors courses, including those that carry automatic honors credit, students should visit the [Barrett Signature Courses webpage](#) and review the Honors Courses document.











## 2021 - 2022 Major Map


### Applied Biological Sciences (Applied Biological Sciences), BS

School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus



TSABSABS




Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence. All other students will complete PHY 101 and elective hours.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Applied Biological Sciences Track	3	C	
Humanities, Arts and Design (HU)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		
Term 4 44 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes



 CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Complete 2 courses: Elective	6	
Term hours subtotal:	16	

- Students considering graduate school or health professions should complete the following: CHM 233 and CHM 237, and CHM 234 and CHM 238 (instead of CHM 231 and CHM 235).
- Students considering graduate school or health professions should complete PHY 112 and 114 in term 4 as part of their electives.

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ABS 370: Ecology	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>• Students considering graduate school or health professions should complete CHM 234 and CHM 238 as part of their electives in this term.</li> <li>• Connect with faculty to seek opportunities for <a href="#">research</a>.</li> </ul>
Applied Biological Sciences Track	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ABS 311: Molecular and Cellular Biology OR ABS 314: Applied Plant Physiology OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Applied Biological Sciences Track	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 104 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
 ABS 490: Applied Biological Sciences Seminar	1	C	
 BIO 340: General Genetics	4	C	
 Upper Division Applied Biological Sciences Track	3	C	
Elective	3		
Term hours subtotal:	14		

Term 8 104 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Applied Biological Sciences Track	6	C	
Complete 3 courses: Upper Division Elective	10		
Term hours subtotal:	16		

- Students select one of two Applied Biological Sciences Tracks and complete 18 hours from within that track.

Hide Course List(s)/Track Group(s)

Applied Biological Sciences Health Track	Applied Biological Sciences General Biology Track
ABS 302: Ethical and Policy Issues in Biology	ABS Elective
ABS 312: Structure and Function	BIO Elective
ABS 318: Unseen Life on Earth	BCH Elective
ABS 355: Ecology and Adaptations of Vertebrates	MIC Elective
ABS 394: Food and Human Health	
ABS 394: Medicine and Culture	
ABS 494: Natural Products & Drug Discovery	
ABS 417: Comparative Immunology	
ABS 484: Internship	
ABS 494: Anatomy Practicum	
ABS 494: Emerging Infections & Epidemics	
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	
BIO 201: Human Anatomy and Physiology I (SG)	
BIO 202: Human Anatomy and Physiology II (SG)	
BIO 351: Developmental Biology	
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	
SPA 294: Intermediate Spanish for Health Professionals	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.



**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Applied Biological Sciences (Natural Resource Ecology), BS

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSABSNRBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-CLS: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b> and play me3@ASU.</li> </ul>
 BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		
Term 2 14 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 28 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>Students in the Wildlife Track should take ABS 274. Students in the Rangelands/Watershed Track should take ABS 225/226.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ABS 274: Introduction to Wildlife Management OR ABS 225: Soils (SQ) AND ABS 226: Soils Laboratory (SQ)	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	17		
Term 4 45 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

◆ ABS 207: Applied Plant Taxonomy	3	C
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C
Literacy and Critical Inquiry (L)	3	
Complete 2 courses: Elective	6	
Term hours subtotal:	16	

- Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All other students will complete CHM 231/235.

Term 5 61 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 350: Applied Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Students considering graduate school should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students can complete PHY 101.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>• Connect with faculty to seek opportunities for <a href="#">research</a>.</li> </ul>
★ ABS 370: Ecology	3	C	
★ Upper Division Natural Resource Ecology Track	3	C	
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 311: Molecular and Cellular Biology OR ABS 314: Applied Plant Physiology OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>• Students in the Wildlife Track should take ABS 355. Students in the Rangelands/Watershed Track should take ABS 430.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
★ ABS 355: Ecology and Adaptations of Vertebrates OR ABS 430: Watershed Management	3	C	
Upper Division Natural Resource Ecology Track	3	C	
Natural Resource Ecology Track	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 490: Applied Biological Sciences Seminar	1	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
★ BIO 340: General Genetics	4	C	
★ Upper Division Natural Resource Ecology Track	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 479: Ecosystem Management and Planning (L)	3	C	
ABS 484: Internship OR Upper Division Elective	3		
Upper Division Elective	4		
Elective	4		
Term hours subtotal:	14		

- Students select one of three Natural Resource Ecology Tracks and complete 12 hours from within that track.

Hide Course List(s)/Track Group(s)

General Track (12 Credits)	Wildlife Track (12 Credits)	Rangeland and Watershed Track (12 Credits)
ABS 270: Sustainable Biological Systems	ABS 270: Sustainable Biological Systems	ABS 270: Sustainable Biological Systems
ABS 312: Structure and Function	ABS 376: Wildlife Ecology	ABS 368: Plant Propagation
ABS 318: Unseen Life on Earth	ABS 378: Animal Nutrition	ABS 376: Wildlife Ecology
ABS 376: Wildlife Ecology	ABS 384: Natural Resources Measurements	ABS 380: Restoration and Wildlife Plants
ABS 378: Animal Nutrition	ABS 470: Life History of Mammals	ABS 384: Natural Resources Measurements
ABS 380: Restoration and Wildlife Plants	ABS 472: Applied Herpetology	ABS 434: Soil Ecology
ABS 384: Natural Resources Measurements	ABS 473: Applied Ornithology	ABS 440: Ecological Restoration Techniques
ABS 417: Comparative Immunology	ABS 475: Habitat Management for Small Wildlife	ABS 441: Ecological Restoration Practicum
ABS 434: Soil Ecology	ABS 476: Big Game Habitat Management	ABS 474: Riparian Ecosystem Management
ABS 440: Ecological Restoration Techniques	ABS 485: GIS in Natural Resources	ABS 476: Big Game Habitat Management
ABS 441: Ecological Restoration Practicum AND ABS 470: Life History of Mammals	ABS 486: Introduction to Remote Sensing	ABS 481: Riparian and Wetland Restoration
ABS 472: Applied Herpetology	ABS 494: Applied Populations and Habitat Ecology	ABS 485: GIS in Natural Resources
ABS 473: Applied Ornithology	ABS 494: Emerging Infections & Epidemics	ABS 486: Introduction to Remote Sensing
ABS 474: Riparian Ecosystem Management		ABS 494: Applied Populations and Habitat Ecology
ABS 485: GIS in Natural Resources		ABS 494: Rangeland Ecosystem Management
ABS 486: Introduction to Remote Sensing		
ABS 489: Undergraduate Research		
ABS 494: Applied Populations and Habitat Ecology		
ABS 494: Emerging Infections & Epidemics		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Applied Biological Sciences (Preveterinary Medicine), BS

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSABSPMBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b> and play me3@ASU.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	14		
Term 2 14 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 31 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
ABS 271: Veterinary Medicine Today	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	17		
		Minimum	

Term 4 48 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
⚠ MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
⚠ PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
⚠ Complete ABS 271 course(s).			
Term hours subtotal:	14		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ABS 311: Molecular and Cellular Biology OR ABS 314: Applied Plant Physiology OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>• Connect with faculty to seek opportunities for <b>research</b>.</li> </ul>
★ ABS 370: Ecology	3	C	
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Upper Division Pre-Veterinary Elective	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 6 78 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ABS 355: Ecology and Adaptations of Vertebrates	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> </ul>
★ BIO 340: General Genetics	4	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Upper Division Pre-Veterinary Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 92 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ABS 490: Applied Biological Sciences Seminar	1	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
BCH 361: Advanced Principles of Biochemistry	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	1		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ABS 378: Animal Nutrition	3	C	
Complete 2 courses:			
Upper Division Pre-Veterinary Elective	6	C	
ABS 484: Internship OR Upper Division Elective	3		

Elective

2

Term hours subtotal:

14

Hide Course List(s)/Track Group(s)

Pre-Veterinary Electives (12 Hours Required)

ABS 302: Ethical and Policy Issues in Biology

ABS 312: Structure and Function

ABS 318: Unseen Life on Earth

ABS 372: Captive Animal Behavior  
Management

ABS 376: Wildlife Ecology

ABS 394: Animal Anatomy

ABS 394: Introduction to Equine Science

ABS 394: Small Animal Veterinary Topics

ABS 417: Comparative Immunology

ABS 470: Life History of Mammals

ABS 472: Applied Herpetology

ABS 473: Applied Ornithology

ABS 484: Internship

ABS 494: Anatomy Practicum

ABS 494: Emerging Infections & Epidemics

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)



- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Biological Sciences (Preveterinary Medicine), BS



School/College: [College of Integrative Sciences and Arts](#)



Location: [Online, ASU Local@Los Angeles](#)



LSABSPMBS




In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	8		

Term 1 - B 8 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
MAT 251: Calculus for Life Sciences (MA)	3	C	
Term hours subtotal:	7		

Term 2 - A 15 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 29 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❗ ABS 271: Veterinary Medicine Today	3	C
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C
Term hours subtotal:	7	

Term 3 - B 36 - 43 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer</b> experience.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
❗ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 43 - 50 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C
Historical Awareness (H)	3	
Complete ABS 271 course(s).		
Term hours subtotal:	7	

Term 4 - B 50 - 59 Credit Hours	Hours	Minimum Grade	Notes
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Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>COM 225 Public Speaking (L) is recommended for students wishing to pursue veterinary school.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - A 59 - 68 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ABS 311: Molecular and Cellular Biology OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Connect with faculty to seek opportunities for <b>research</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - B 68 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BIO 340: General Genetics	4	C
ABS 370: Ecology	3	C
Term hours subtotal:	7	

Term 6 - A 75 - 81 Credit Hours	Hours	Minimum Grade	Notes
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ABS 355: Ecology and Adaptations of Vertebrates	3	C
CHM 233: General Organic Chemistry I	3	C
Term hours subtotal:	6	

Term 6 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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CHM 234: General Organic Chemistry II	3	C	<ul style="list-style-type: none"> <li>Use <b>Handshake</b> to research employment opportunities.</li> </ul>
Upper Division Pre-Veterinary Elective	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Summer 6 87 - 89 Credit Hours	Hours	Minimum Grade	Notes
CHM 237: General Organic Chemistry Laboratory I	1	C	<ul style="list-style-type: none"> <li>ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.</li> </ul>
CHM 238: General Organic Chemistry Laboratory II	1	C	
Term hours subtotal:	2		

Term 7 - A 89 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> </ul>
ABS 490: Applied Biological Sciences Seminar	1	C	
Upper Division Pre-Veterinary Elective	3	C	
Upper Division Elective	1		
Term hours subtotal:	8		

Term 7 - B 97 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 350: Applied Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		

Term 8 - A 106 - 112 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 378: Animal Nutrition	3	C	
ABS 484: Internship OR Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 112 - 120 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Upper Division Pre-Veterinary Elective	6	C	
Elective	2		
Term hours subtotal:	8		

Hide Course List(s)/Track Group(s)

Pre-Veterinary Electives (12 Hours Required)

ABS 302: Ethical and Policy Issues in Biology

ABS 312: Structure and Function

ABS 318: Unseen Life on Earth

ABS 372: Captive Animal Behavior  
Management

ABS 376: Wildlife Ecology

ABS 394: Animal Anatomy

ABS 394: Introduction to Equine Science

ABS 394: Small Animal Veterinary Topics

ABS 417: Comparative Immunology

ABS 470: Life History of Mammals

ABS 472: Applied Herpetology

ABS 473: Applied Ornithology

ABS 484: Internship

ABS 494: Anatomy Practicum

ABS 494: Emerging Infections & Epidemics

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Applied Biological Sciences (Secondary Education in Biology), BS

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

TSABSSBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 251: Calculus for Life Sciences (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H) (HST 109 recommended)	3		
Term hours subtotal:	14		
Term 2 14 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) (SPE 222 recommended)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Apply for an <b>Identity Verified Print (IVP)</b> DPS fingerprint card, required by state law for participation in internships in 6-12th grade schools.</li> </ul>
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		
Term 4 45 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

◆ PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C
Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB)	3	
Elective	3	
Milestone: Complete online Intent to Progress form (meet with advisor).		
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.		
Term hours subtotal:	16	

- Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students will complete PHY 101.
- Meet with a Teachers College advisor early in the semester to submit an "Intent to Progress" form that indicates you will be ready to enroll in your first internship the following term. You will upload a copy of your IVP fingerprint clearance card with this form, as required by state law. Teachers College will then invite you to attend a mandatory Professional Pathways Orientation.

Term 5 61 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 350: Applied Statistics (CS)	3	C	
★ ABS 370: Ecology	3	C	
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
SED 396: Clinical Experience I	1		
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

- Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All other students will complete CHM 231/235.
- During your clinical experience internships, you will work alongside a lead teacher in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 5-8.
- Connect with faculty to seek opportunities for **research**.

Term 6 78 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 311: Molecular and Cellular Biology OR ABS 314: Applied Plant Physiology OR BIO 360: Animal Physiology	3	C	
★ BLE 407: SEI for Secondary Students (L)	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
ABS 207: Applied Plant Taxonomy OR ABS 355: Ecology and Adaptations of Vertebrates OR BCH 361: Advanced Principles of Biochemistry	3		
BIO 480: Methods of Teaching Biology	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

- Use Handshake to research **employment opportunities**.
- Meet with a Mary Lou Fulton Teachers College Advisor about Secondary Education requirements.

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 490: Applied Biological Sciences Seminar	1	C	
★ BIO 340: General Genetics	4	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	

- Gather **professional references**.
- Apply for **full-time career opportunities**.
- Students seeking teacher certification must pass required **educator exams**. Please speak

★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 496: Clinical Experience III	1	C
Elective	2	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	14	

with your Teachers College advisor to plan appropriately.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Applied Biological Sciences (Sustainable Horticulture), BS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#)

TSABSUBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b> and play me3@ASU.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		
Term 2 14 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students will complete PHY 101.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 28 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 44 - 58 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

📌 ABS 260: Fundamentals of Sustainable Horticulture (SG)	4	C
📌 CHM 116: General Chemistry II (SQ)	4	C
Sustainable Horticulture Elective	3	C
Humanities, Arts and Design (HU)	3	
Term hours subtotal:	14	

- Sustainable Horticulture Elective chosen from list below.

Term 5 58 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 363: Sustainable Landscape Practice	4	C	<ul style="list-style-type: none"> <li>• Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All other students will complete CHM 231/235.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>• Connect with faculty to seek opportunities for <a href="#">research</a>.</li> </ul>
★ ABS 370: Ecology	3	C	
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	17		

Term 6 75 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 368: Plant Propagation	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
★ BIO 340: General Genetics	4	C	
ABS 362: Landscape Plants	4	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 89 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 311: Molecular and Cellular Biology OR ABS 314: Applied Plant Physiology OR BIO 353: Cell Biology OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
★ ABS 350: Applied Statistics (CS)	3	C	
★ ABS 464: Desert Horticulture	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 490: Applied Biological Sciences Seminar	1	C	

★ Upper Division Sustainable Horticulture Elective	3	C
Complete 2 courses: Upper Division Elective	5	
Complete 2 courses: Elective	7	
Term hours subtotal:	16	

Hide Course List(s)/Track Group(s)

Sustainable Horticulture Elective
ABS 225: Soils (SQ)
ABS 318: Unseen Life on Earth
ABS 364: Urban Forestry
ABS 394: Future of Agriculture: Vertical Farming
ABS 460: Organic Gardening
ABS 462: Greenhouse/Nursery Management
ABS 484: Internship

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Applied Mathematics, BS

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSMATBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
ASU 101-CLS: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13-14		
Term 2 13 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students will choose one of the following science course sequences to complete: BIO 181 and BIO 182 OR CHM 113 and CHM 116 OR CHM 114 and CHM 116 OR CHM 117 and CHM 118 OR PHY 121/122 and PHY 131/132.</li> <li>Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA) OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	
BIO 181: General Biology I (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ) OR CHM 117: General Chemistry for Majors I (SQ) OR PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		
Term 3 29 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG) OR CHM 116: General Chemistry II (SQ) OR CHM 118: General Chemistry for Majors II (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	<ul style="list-style-type: none"> <li>Students will choose one of the following science course sequences to complete: BIO 181 and BIO 182 OR CHM 113 and CHM 116 OR CHM 114 and CHM 116 OR CHM 117 and CHM 118 OR PHY 121/122 and PHY 131/132.</li> </ul>
 MAT 267: Calculus for Engineers III (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)	3-4	C	
Global Awareness (G)	3		

Humanities, Arts and Design (HU)	3
Elective	3
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16-17

- Secure a **part-time job** or **volunteer experience**.

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAT 243: Discrete Mathematical Structures	3	C	
⚠ MAT 275: Modern Differential Equations (MA)	3	C	
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MAT 343: Applied Linear Algebra	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> <li>• Upper Division STEM Electives should be selected in consultation with a College of Integrative Sciences and Arts <b>academic advisor</b>.</li> <li>• Connect with faculty to seek opportunities for <b>research</b>.</li> </ul>
★ STP 420: Introductory Applied Statistics (CS)	3	C	
Upper Division STEM Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> Upper Division Applied Mathematics Elective	6	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Upper Division STEM Electives should be selected in consultation with a College of Integrative Sciences and Arts <b>academic advisor</b>.</li> </ul>
Upper Division STEM Elective	3	C	
★ <i>Complete 2 courses:</i> Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Applied Mathematics Elective	3	C	<ul style="list-style-type: none"> <li>• Upper Division STEM Electives should be selected in consultation with a College of Integrative Sciences and Arts <b>academic advisor</b>.</li> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
MAT 495: Undergraduate Research OR MAT 4** Elective OR STP 4** Elective	3	C	
Upper Division STEM Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
MAT 484: Internship OR Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Applied Mathematics Elective	3	C	
<i>Complete 2 courses:</i> Upper Division Elective	6		
<i>Complete 2 courses:</i>			

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 Term hours subtotal: 15

- Upper Division STEM Electives should be selected in consultation with a College of Integrative Sciences and Arts advisor.
- Students must complete a minimum of 12 credit hours of MAT courses offered by the College of Integrative Sciences and Arts. Six of these 12 credits must be upper division.

## Hide Course List(s)/Track Group(s)

Upper Division Applied Mathematics Electives	Upper Division STEM Electives
	ABS Upper Division Elective
MAT 300: Mathematical Structures (L)	BIO Upper Division Elective
MAT 310: Introduction to Geometry	CHM Upper Division Elective
MAT 350: Techniques and Applications of Applied Mathematics	CSE Upper Division Elective
MAT 394: Special Topics	EGR Upper Division Elective
MAT 450: Mathematical Models in Biology	ERM Upper Division Elective
MAT 452: Introduction to Chaos and Nonlinear Dynamics	GIT Upper Division Elective
MAT 462: Applied Partial Differential Equations	HSE Upper Division Elective
MAT 494: Special Topics	IFT Upper Division Elective
MAT 499: Individualized Instruction	PHY Upper Division Elective
STP 421: Probability	SER Upper Division Elective
	STP Upper Division Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Applied Physics, BS

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSAPHYBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13		
Term 2 13 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 28 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 44 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

🚩 PHY 201: Mathematical Methods in Physics I (CS)	3	C
🚩 PHY 252: Physics III (SQ)	4	C
Historical Awareness (H)	3	
Literacy and Critical Inquiry (L)	3	
Elective	3	
Term hours subtotal:	16	

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>• Connect with faculty to seek opportunities for <a href="#">research</a>.</li> </ul>
★ PHY 314: Quantum Physics I	3	C	
Upper Division Applied Physics Electives	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 315: Quantum Physics II	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Applied Physics Electives	3	C	
Complete 3 courses: Elective	9		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s)			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 331: Principles of Modern Electromagnetism	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
★ PHY 460: Numerical Methods in Modern Physics	3	C	
PHY 361: Introductory Modern Physics	3	C	
Upper Division Applied Physics Electives	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 444: Fundamentals of Nanoscience	3	C	
PHY 499: Individualized Instruction	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
PHY 484: Internship OR Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Applied Physics Electives (Complete 9 Credit Hours)

MAT 343: Applied Linear Algebra

PHY 321: Vector Mechanics and Vibration

PHY 333: Electronic Circuits and Measurements

PHY 416: Quantum Physics III

PHY 456: Laser Optics

PHY 495: Project Research

STP 420: Introductory Applied Statistics (CS)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of PHY courses offered by the College of Integrative Sciences and Arts. At least six of these 12 credits must be upper-division.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Applied Quantitative Science, BS

School/College: College of Integrative Sciences and Arts

Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus, West campus

LSAQSB

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3		<ul style="list-style-type: none"> <li>• SU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> </ul>
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Statistics	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or volunteer experience.</li> <li>• Statistics Requirement Course List Options.</li> </ul>
Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 47 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

Technical/Professional Communication	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Historical Awareness (H)	3	
Humanities, Arts and Design (HU)	3	
Elective	3	
Term hours subtotal:	16	

- Major Requirement [Course List Options](#).

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Statistics	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>• Major Requirement <a href="#">Course List Options</a>.</li> <li>• Connect with faculty to seek opportunities for <a href="#">research</a>.</li> </ul>
Complete 2 courses:			
Upper Division Major Electives	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Computer Skills	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Major Requirement <a href="#">Course List Options</a></li> </ul>
★ Complete 2 courses:			
Upper Division Major Electives	6	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Electives	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> <li>• Major Requirement <a href="#">Course List Options</a>.</li> </ul>
★ Research and Analysis	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Capstone/Project	3	C	<ul style="list-style-type: none"> <li>• Major Requirement <a href="#">Course List Options</a>.</li> </ul>
Upper Division Major Electives	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	12		

- This degree is only available as a concurrent degree at the Downtown Phoenix, Polytechnic, Tempe and West campuses.

- Major Requirement Course list options can be found on the College of Integrative Sciences and Arts website: [cisa.asu.edu/applied-quantitative-sciences-degree-courses-list](https://cisa.asu.edu/applied-quantitative-sciences-degree-courses-list)

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Applied Leadership), BAS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#), [ASU@Cochise](#), [ASU@Pima](#), [ASU@Pinal](#), [ASU@The Gila Valley](#), [ASU@Yavapai](#)

LSALSBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Degree Transfer Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>Students may meet lower division general studies requirements with the AAS degree.</li> <li>Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 300: Theory and Practice of Leadership	3	C	
★ OGL 345: Organizational Ethics (HU)	3	C	
OGL 340: Special Topics	3	C	
OGL 340: Special Topics	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Complete two courses of OGL 340 in this term.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 320: Foundations of Project Management	3	C	
★ OGL 350: Diversity and Organizations (L & C)	3	C	
OGL 340: Special Topics	3	C	
OGL 343: Social Processes in Organizations (SB) OR OGL 357: Assessment in Organizations	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 355: Leading Organizational Innovation and Change	3	C	

OGL 340: Special Topics	3	C
OGL 340: Special Topics	3	C
OGL 365: Organizational Contexts (SB) OR OGL 321: Project Leadership, Strategy and Scope	3	C
Any needed lower division General Studies requirement OR Elective	3	
Term hours subtotal:	15	

- Complete two courses of OGL 340 in this term.
- Gather professional references.
- Apply for full-time career opportunities.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	
★ OGL 482: Organizational Leadership Pro-Seminar II (L)	3	C	
OGL 340: Special Topics	3	C	
Complete 2 courses:			
Any needed lower division General Studies requirement OR Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Applied Science (Applied Leadership), **BAS**

School/College: [College of Integrative Sciences and Arts](#)

Location: [Online, ASU Local@Los Angeles](#)

LSALSBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Degree Transfer Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn an ASU BAS degree.</li> <li>• Students should work with their academic advisor to run a DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 - A 60 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 300: Theory and Practice of Leadership	3	C	
OGL 340: Special Topics	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		

Term 5 - B 69 - 78 Credit Hours	Hours	Minimum Grade	Notes
OGL 340: Special Topics	3	C	
OGL 343: Social Processes in Organizations (SB) OR OGL 357: Assessment in Organizations	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>

Term 6 - A 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 350: Diversity and Organizations (L & C)	3	C	
OGL 340: Special Topics	3	C	
Term hours subtotal:	6		

Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 355: Leading Organizational Innovation and Change	3	C	
Any needed lower division General Studies requirement OR Elective	3		
			<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 345: Organizational Ethics (HU)	3	C	
OGL 340: Special Topics	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		

Term 7 - B 99 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 320: Foundations of Project Management	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
OGL 340: Special Topics	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		

Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	
OGL 365: Organizational Contexts (SB) OR OGL 321: Project Leadership, Strategy and Scope	3	C	
Term hours subtotal:	6		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 482: Organizational Leadership Pro-Seminar II (L)	3	C	
OGL 340: Special Topics	3	C	
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Project Management), **BAS**

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus, Tempe campus

LSAPSPMBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Degree Transfer Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>Students may meet lower-division general studies requirements with the AAS degree.</li> <li>Students must complete all ASU general studies requirements in order to earn an ASU BAS degree.</li> <li>Students should work with their academic advisor to run a DARs graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 300: Theory and Practice of Leadership	3	C	
★ OGL 345: Organizational Ethics (HU)	3	C	
OGL 320: Foundations of Project Management	3	C	
OGL 340: Special Topics	3	C	
Any needed lower-division General Studies requirement OR Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 350: Diversity and Organizations (L & C)	3	C	
OGL 321: Project Leadership, Strategy and Scope	3	C	
OGL 322: Project Time Management	3	C	
OGL 323: Project Cost Management	3	C	
OGL 324: Resources in Project Management	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 340: Special Topics	3	C	
OGL 326: Project Procurement Management	3	C	
			<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>

OGL 421: Project Risk Management	3	C
OGL 422: Project Quality Management	3	C
Any needed lower-division General Studies requirement OR Elective	3	
Term hours subtotal:	15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	
OGL 340: Special Topics	3	C	
Complete 3 courses:			
Any needed lower-division General Studies requirement OR Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students should consult with their academic advisor to ensure that all ASU General Studies requirements will be completed for graduation.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Project Management), **BAS**

School/College: [College of Integrative Sciences and Arts](#)

Location: [Online, ASU Local@Los Angeles](#)

LSAPSPMBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Degree Transfer Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>Students may meet lower division general studies requirements with the AAS degree.</li> <li>Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 300: Theory and Practice of Leadership	3	C	
OGL 320: Foundations of Project Management	3	C	
Term hours subtotal:	6		

Term 5 - B 66 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 345: Organizational Ethics (HU)	3	C	
OGL 340: Special Topics	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>

Term 6 - A 75 - 81 Credit Hours	Hours	Minimum Grade	Notes
OGL 321: Project Leadership, Strategy and Scope	3	C	
OGL 322: Project Time Management	3	C	
Term hours subtotal:	6		

Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 350: Diversity and Organizations (L & C)	3	C	
OGL 323: Project Cost Management	3	C	
OGL 324: Resources in Project Management	3	C	
			<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 9

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 340: Special Topics	3	C	
OGL 326: Project Procurement Management	3	C	
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours	Hours	Minimum Grade	Notes
OGL 421: Project Risk Management	3	C	
OGL 422: Project Quality Management	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
OGL 340: Special Topics	3	C	
Complete 2 courses:			
Any needed lower division General Studies requirement OR Elective	6		
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Applied Science (Technical Communication), BAS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#)

LSTECBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Degree Transfer Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	
★ TWC 401: Fundamentals of Technical Communication (L)	3	C	
★ TWC 347: Written Communication for Managers (L)	3	C	
MAT 142: College Mathematics (MA)	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 421: Principles of Web Authoring (L)	3	C	
★ TWC 431: Principles of Technical Editing	3	C	
STP 420: Introductory Applied Statistics (CS)	3	C	
Upper Division Elective	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 411: Principles of Visual Communication (L)	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> </ul>

TWC 443: Grant & Proposal Writing OR TWC 444: User Experience  
OR TWC 445: Content Strategy OR TWC 446: Technical and  
Scientific Reports (L)

3

C

- Apply for full-time career opportunities.

Complete 2 courses:

TWC Upper Division Elective

6

C

Any needed lower division General Studies requirement OR Elective

3

Term hours subtotal:

15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	
TWC 451: Copyright and Intellectual Property in the Electronic Age OR TWC 452: Information in the Digital Age OR TWC 453: Information and Communications Technology in American History (L & H) OR TWC 454: Information Technology and Culture (C)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Communication, BA


School/College: [College of Integrative Sciences and Arts](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#)

LSCOMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
ASU 101-CLS: The ASU Experience	1		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Mathematics (MA) ( MAT 142 recommended)	3		
Language and Cultures: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * OR Completion of COM 263 AND COM 371.	3	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		

Elective 3

❗ Complete Mathematics (MA) requirement.

Maintain 2.00 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ COM 225: Public Speaking (L)	3	C	
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Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
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Social-Behavioral Sciences (SB)	3		
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Complete 2 courses:	6		
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Elective	6		
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Maintain 2.00 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ COM 308: Advanced Research Methods in Communication (L)	3	C	
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COM 420: Rhetoric and Community Advocacy OR COM 428: Graphic Novels and Popular Culture (HU) OR COM 464: Communicative Sexualities (SB) OR COM 467: Digital Rhetoric	3	C	
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Upper Division Related Area Course	3	C	
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Language and Cultures: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * OR Completion of COM 263 AND COM 371.	3	C	
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Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
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Term hours subtotal: 15

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Communication Track	3	C	
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COM 420: Rhetoric and Community Advocacy OR COM 428: Graphic Novels and Popular Culture (HU) OR COM 464: Communicative Sexualities (SB) OR COM 467: Digital Rhetoric	3	C	
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COM Upper Division Elective	3	C	
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Global Awareness (G)	3		
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Upper Division Elective	3		
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★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
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Term hours subtotal: 15

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Communication Track	3	C	
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COM Upper Division Elective	3	C	
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Historical Awareness (H)	3		
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Complete 2 courses:	6		
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Upper Division Elective	6		
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Term hours subtotal: 15

- Build your professional connections -- join the [ASU Mentor Network](#)

- Students select one of three Communication Tracks and complete 9 hours from within that track.
- Use Handshake to research [employment opportunities](#).

- Gather [professional references](#).
- Apply for [full-time career opportunities](#).

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Communication Track	3	C	
COM Upper Division Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	12		

- Students select one of three Communication Tracks and complete 9 hours from within that track.

Hide Course List(s)/Track Group(s)

Culture, Power and Media Track	Community Advocacy and Public Influence Track	Communication, Technology and Society Track
COM 316: Gender and Communication (SB & C)	COM 312: Communication, Conflict, and Negotiation	COM 319: Persuasion and Social Influence (SB)
COM 323: Communication Approaches to Popular Culture (C)	COM 316: Gender and Communication (SB & C)	COM 320: Communication and Consumerism (SB)
COM 363: Latinxs and the Media (C)	COM 319: Persuasion and Social Influence (SB)	COM 323: Communication Approaches to Popular Culture (C)
COM 364: Cultural Communicology (SB)	COM 320: Communication and Consumerism (SB)	COM 394: Communication in the Electronic Age
COM 371: Language, Culture, and Communication (SB & C & G)	COM 321: Rhetorical Theory and Research ((L or HU) & H)	COM 420: Rhetoric and Community Advocacy
COM 420: Rhetoric and Community Advocacy	COM 323: Communication Approaches to Popular Culture (C)	COM 421: Rhetoric of Social Issues (HU)
COM 428: Graphic Novels and Popular Culture (HU)	COM 326: Court Room Oratory	COM 422: Advanced Argumentation (L)
COM 463: Intercultural Communication in a Global Context (SB & G)	COM 341: Social Contexts for Performance	COM 428: Graphic Novels and Popular Culture (HU)
COM 464: Communicative Sexualities (SB)	COM 420: Rhetoric and Community Advocacy	COM 467: Digital Rhetoric
COM 484: Internship	COM 421: Rhetoric of Social Issues (HU)	COM 484: Internship
	COM 422: Advanced Argumentation (L)	
	COM 426: Political Communication (SB)	
	COM 428: Graphic Novels and Popular Culture (HU)	
	COM 467: Digital Rhetoric	
	COM 484: Internship	
Related Area Courses		
ENG 317: Cross-Cultural Writing ((L or HU) & G)		

HST 314: American Cultural History Since 1865 ((HU or SB) & H)

JUS 432: Racial Justice (L)

MCO 418: History of Mass Communication (SB & H)

MCO 450: Visual Communication (HU)

MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)

PHI 306: Applied Ethics (HU)

POS 346: Problems of Democracy (HU)

POS 350: Comparative Politics (SB & G)

POS 435: Women and Politics (SB & C)

POS 442: American Political Thought (HU)

STS 330: Information Technology and Globalization (SB & G)

STS 425: Law, Values, Science, and Technology (SB)

TWC 301: Fundamentals of Writing for Digital Media (L)

TWC 411: Principles of Visual Communication (L)

TWC 452: Information in the Digital Age

TWC 453: Information and Communications Technology in American History (L & H)

WST 375: Women and Social Change (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 upper division credit hours of COM courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map



### Counseling and Applied Psychological Science, BS



School/College: [College of Integrative Sciences and Arts](#)



Location: [Polytechnic campus](#)




LSCAPSBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 120: Introduction to Counseling (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 240: Counseling Skills	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 PSY 230: Introduction to Statistics (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 220: Self in a Multicultural Society (C)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
PSY 290: Research Methods (L or SG)	4	C	
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 ABS OR BIO OR MIC course (SQ)	4		
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 310: Addictions I: Foundations and Basic Principles	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the ASU Mentor Network</li> </ul>
CED 250: Career Development (L)	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 320: Theories of Counseling and Psychotherapy	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Counseling and Applied Psychological Sciences A Course	3	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> </ul>
 Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Upper Division Elective	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 484: Internship	3	C	
Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Elective	3		

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

Counseling and Applied Psychological Sciences A Courses	Counseling and Applied Psychological Sciences B Courses
CAP 315: Trauma and Crisis Intervention	FAS 331: Marriage and Family Relationships (SB)
CAP 325: Professional Practice and Ethics in Counseling	FAS 370: Family Ethnic and Cultural Diversity (SB & C)
CAP 330: Group Counseling	PSY 315: Personality Theory and Research (SB)
CAP 335: Addiction Group Counseling	PSY 320: Learning and Motivation
CAP 340: Multicultural Counseling Theory and Practice	PSY 323: Sensation and Perception
CAP 342: Community Outreach, Prevention and Intervention	PSY 324: Memory and Cognition
CAP 351: Issues in Assessment, Diagnosis and Treatment	PSY 325: Physiological Psychology
CAP 400: Advanced Counseling Research Methods	PSY 330: Statistical Methods (CS)
CAP 420: School Counseling	PSY 341: Developmental Psychology (SB)
CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention	PSY 350: Social Psychology (SB)
JUS 305: Principles of Justice Studies (SB)	PSY 369: Biology of Human Sexuality
	PSY 370: Interpersonal Relationships (SB)
	PSY 385: Psychology of Gender (SB)
	PSY 399: Supervised Research
	PSY 425: Biological Bases of Behavior (L)
	PSY 444: Adolescent Psychology and Psychopathology
	PSY 447: Psychology of Aging (SB)
	PSY 465: Psychology of Stress and Coping
	PSY 470: Psychopharmacology
	PSY 472: Clinical Psychology
	PSY 499: Individualized Instruction
	SOC 315: Courtship and Marriage (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Counseling and Applied Psychological Science, BS

School/College: [College of Integrative Sciences and Arts](#)



Location: [Online, ASU Local@Los Angeles](#)

LSCAPSBS



Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 120: Introduction to Counseling (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 PSY 101: Introduction to Psychology (SB)	3	C	
Elective	3		
Term hours subtotal:	9		
Term 2 - A 16 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 240: Counseling Skills	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 PSY 230: Introduction to Statistics (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	9		
Term 2 - B 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 31 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 220: Self in a Multicultural Society (C)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer</b> experience.</li> </ul>
PSY 290: Research Methods (L or SG)	4	C	

Historical Awareness (H)	3
Term hours subtotal:	10

Term 3 - B 41 - 47 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		


Term 4 - A 47 - 54 Credit Hours  Critical course signified by	Hours	Minimum Grade	Notes
 ABS OR BIO OR MIC course (SQ)	4		
Elective	3		
Term hours subtotal:	7		

Term 4 - B 54 - 63 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - A 63 - 72 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 CAP 310: Addictions I: Foundations and Basic Principles	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Elective	3		
Term hours subtotal:	9		

Term 5 - B 72 - 81 Credit Hours	Hours	Minimum Grade	Notes
CED 250: Career Development (L)	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
Term hours subtotal:	9		

Term 6 - A 81 - 90 Credit Hours	Hours	Minimum Grade	Notes
CAP 320: Theories of Counseling and Psychotherapy	3	C	<ul style="list-style-type: none"> <li>Use <a href="#">Handshake</a> to research employment opportunities.</li> </ul>
Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	9		

Term 6 - B 90 - 96 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
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Elective	3		
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Term hours subtotal: 6

Term 7 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

Term 8 - A 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
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CAP 484: Internship	3	C	
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Upper Division Counseling and Applied Psychological Sciences A Course	3	C	
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Term hours subtotal: 6

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Counseling and Applied Psychological Sciences B Course	3	C	
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Elective	3		
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Term hours subtotal: 6

Hide Course List(s)/Track Group(s)

Counseling and Applied Psychological Sciences A Courses	Counseling and Applied Psychological Sciences B Courses
CAP 315: Trauma and Crisis Intervention	FAS 331: Marriage and Family Relationships (SB)
CAP 325: Professional Practice and Ethics in Counseling	FAS 370: Family Ethnic and Cultural Diversity (SB & C)
CAP 330: Group Counseling	PSY 315: Personality Theory and Research (SB)
CAP 340: Multicultural Counseling Theory and Practice	PSY 320: Learning and Motivation
JUS 305: Principles of Justice Studies (SB)	PSY 323: Sensation and Perception
	PSY 324: Memory and Cognition
	PSY 330: Statistical Methods (CS)
	PSY 341: Developmental Psychology (SB)
	PSY 350: Social Psychology (SB)

PSY 385: Psychology of Gender (SB)

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PSY 399: Supervised Research

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PSY 499: Individualized Instruction

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SOC 315: Courtship and Marriage (SB)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map



### Counseling and Applied Psychological Science (Substance Abuse and Addictions), BS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#)



LSCAPSAABS



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CAP 120: Introduction to Counseling (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CAP 220: Self in a Multicultural Society (C)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 PSY 230: Introduction to Statistics (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CAP 240: Counseling Skills	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
PSY 290: Research Methods (L or SG)	4	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	
Global Awareness (G)	3		
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	13		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 310: Addictions I: Foundations and Basic Principles	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
CAP 325: Professional Practice and Ethics in Counseling	3	C	
CAP 340: Multicultural Counseling Theory and Practice	3		
CED 250: Career Development (L)	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 320: Theories of Counseling and Psychotherapy	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
CAP 335: Addiction Group Counseling	3	C	
CAP 351: Issues in Assessment, Diagnosis and Treatment	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 470: Psychopharmacology	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention	3	C	
Upper Division Elective	3		
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CAP 484: Internship	3	C	
<i>Complete 2 courses:</i>			
Upper Division Counseling and Applied Psychological Sciences Courses	6	C	
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Counseling and Applied Psychological  
Sciences Courses

CAP 315: Trauma and Crisis Intervention

CAP 330: Group Counseling

CAP 342: Community Outreach, Prevention  
and Intervention

CAP 400: Advanced Counseling Research  
Methods

CAP 420: School Counseling

FAS 331: Marriage and Family Relationships  
(SB)

FAS 370: Family Ethnic and Cultural  
Diversity (SB & C)

JUS 305: Principles of Justice Studies (SB)

PSY 315: Personality Theory and Research  
(SB)

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 330: Statistical Methods (CS)

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 369: Biology of Human Sexuality

PSY 370: Interpersonal Relationships (SB)

PSY 385: Psychology of Gender (SB)

PSY 399: Supervised Research

PSY 425: Biological Bases of Behavior (L)

PSY 444: Adolescent Psychology and  
Psychopathology

PSY 447: Psychology of Aging (SB)

PSY 465: Psychology of Stress and Coping

PSY 472: Clinical Psychology

PSY 499: Individualized Instruction

SOC 315: Courtship and Marriage (SB)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### English, BA

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSENGBA

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>ENG 200-level literature course is a recommended pre-requisite to upper division ENG courses.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
2** ENG Literature Course	3	C	
ENG Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement. Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		
Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

2** ENG Writing Course	3	C
Literature Course	3	C
Global Awareness (G)	3	
Social-Behavioral Sciences (SB)	3	
Elective	3	
Maintain 2.00 GPA in Major Courses.		
Term hours subtotal:	15	

Term 5 60 - 75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
Upper Division Ethnicity and Gender Course	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Complete 2 courses:			
ENG Elective	6	C	
Upper Division Elective	3		
Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
Upper Division Film and Popular Culture	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Complete 2 courses:			
ENG Elective	6	C	
Complete 2 courses:			
Upper Division Elective	6		
Maintain 2.00 GPA in Major Courses.			
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
ENG Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Complete 4 courses:			
Upper Division Elective	12		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
ENG 498: Pro-Seminar (L)	3	C	<ul style="list-style-type: none"> <li>Students in the Barrett Honors College may take ENG 493: Honors Thesis in place of ENG 498: Pro-Seminar.</li> </ul>
Complete 2 courses:			
ENG Upper Division Elective	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
ENG 484: Internship OR Upper Division Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

2** ENG Literature Course	Literature	2** ENG Writing Course
ENG 201: World Literature (HU & H & G)	ENG 303: Classical Backgrounds of English Literature (HU)	ENG 210: Introduction to Creative Writing
ENG 221: Survey of English Literature (HU)	ENG 321: Shakespeare (L or HU)	ENG 215: Strategies of Academic Writing (L)
ENG 222: Survey of English Literature (HU & H)	ENG 328: The Novel to Jane Austen (HU & H)	ENG 216: Persuasive Writing on Public Issues (L)
ENG 241: Literatures of the United States to 1860 ((L or HU) & C)	ENG 333: American Ethnic Literature	ENG 243: Introduction to Writing Family History (L)
ENG 242: Literatures of the United States, 1860 to Present (HU)	ENG 352: Short Story (L or HU)	ENG 244: Introduction to Researching Family History
	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	
	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)	
	ENG 359: Indigenous American Literature ((L or HU) & C)	
	ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	
	ENG 364: Women and Literature (HU)	
	ENG 471: Literature for Young Adults (HU)	
	ENG 473: Critical Approaches to Children's Literature (L or HU)	
Film and Popular Culture	Ethnicity and Gender	
ENG 320: Medievalism in Modern Culture	ENG 317: Cross-Cultural Writing ((L or HU) & G)	
ENG 334: The American Southwest in Literature and Film ((L or HU) & C)	ENG 333: American Ethnic Literature	
ENG 365: History of Film (HU)	ENG 334: The American Southwest in Literature and Film ((L or HU) & C)	
ENG 366: Literature on Film	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	
ENG 367: Environmental Issues in Literature and Film (L or HU)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)	
ENG 446: Visual Narratives (L or HU)	ENG 359: Indigenous American Literature ((L or HU) & C)	
ENG 464: Great Directors (L or HU)	ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	
ENG 466: Studies in International Film ((L or HU) & G)	ENG 364: Women and Literature (HU)	
ENG 467: American Film Musicals (L or HU)		

Notes:

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- A minimum of 12 upper division ENG credits must be completed through the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map




### General Studies, BA




School/College: College of Integrative Sciences and Arts



Location: Downtown Phoenix campus, Polytechnic campus, ASU@Lake Havasu

LSGNSBGS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students completing the Bachelor of Arts in General Studies will complete three courses in each cluster for a total of 36 credit hours. A minimum of 18 of the 36 credits must be upper-division credits.</li> </ul>
 Cluster #1 Course	3	C	
Humanities, Arts and Design (HU)	3		
Mathematics (MA) ( MAT 142 recommended)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Cluster #2 Course	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> <li>Develop your <b>skills</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:	6		
Elective			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Cluster #3 Course	3	C	

📌 Literacy and Critical Inquiry (L)	3
Computer/Statistics/Quantitative Applications (CS)	3
Global Awareness (G)	3
Social-Behavioral Sciences (SB)	3
Term hours subtotal:	15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Cluster #1 Course	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ Cluster #4 Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Cluster #1 Course	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
★ Upper Division Cluster #2 Course	3	C	
Upper Division Cluster #3 Course	3	C	
Cluster #2 Course	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ UNI 400: Society and the Individual (L)	3	C	<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Complete 2 courses: Upper Division Cluster #4 Course	6	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Cluster #3 Course	3	C	
Upper Division Elective OR IDS 484: Internship OR COM 484: Internship OR SPA 484: Internship	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- Students completing the Bachelor of Arts in General Studies will complete three courses in each cluster for a total of 36 credit hours. A minimum of 18 of the 36 credits must be upper-division credits.

Hide Course List(s)/Track Group(s)

Global Perspectives	National and Civil Service	Organizations, Communities and Ethics
COM 316: Gender and Communication (SB & C)	AES 101: Air Force Today I	CAP 342: Community Outreach, Prevention and Intervention
COM 363: Latinxs and the Media (C)	AES 103: Air Force Today II	CHM 107: Chemistry and Society (SQ)
ENG 201: World Literature (HU & H & G)	AES 201: The Evolution of USAF Air and Space Power I	COM 312: Communication, Conflict, and Negotiation
ENG 202: World Literature (HU & H)	AES 203: The Evolution of USAF Air and Space Power II	CRJ 350: Law and Social Control (SB)
ENG 216: Persuasive Writing on Public Issues (L)	AES 301: Air Force Leadership Studies I (L)	CRJ 403: Victims and the Criminal Justice System
ENG 217: Writing Reflective Essays (L)	AES 303: Air Force Leadership Studies II (L)	CRJ 404: Juvenile Delinquency
ENG 317: Cross-Cultural Writing ((L or HU) & G)	AES 401: National Security Affairs (L)	CRJ 405: Neighborhoods and Crime
HCR 230: Culture and Health (C & G) or HSC 210: Cultural Aspects of Health (C)	COM 259: Communication in Business and the Professions	CRJ 406: Sex Crimes
HCR 310: Fundamentals of Human Trafficking (SB)	COM 263: Elements of Intercultural Communication (SB & C & G)	CRJ 408: Drugs and Crime
HST 101: Global History Since 1500 (HU & H & G)	COM 312: Communication, Conflict, and Negotiation	CRJ 422: Violence in America
HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H)	COM 316: Gender and Communication (SB & C)	CRJ 461: Domestic Violence
HST 230: Introduction to Jewish Civilization (HU & H & G)	COM 371: Language, Culture, and Communication (SB & C & G)	CRJ 462: Gangs
HST 306: The Civil Rights Movement	CRJ 100: Introduction to Criminal Justice (SB)	CRJ 463: White Collar Crime
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	CRJ 201: Criminal Justice Crime Control Policies and Practices	CRJ 470: Discretionary Justice (L or SB)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	CRJ 350: Law and Social Control (SB)	HCI 150: Introduction to Health Innovation
HST 364: Sex and Society in Modern Europe ((L or SB) & H)	CRJ 403: Victims and the Criminal Justice System	HCI 250: Health Entrepreneurship and Value Creation
HST 368: Culture and Imagination in European History (HU & H)	CRJ 404: Juvenile Delinquency	HCR 210: Ethics for the Health Care Professional (HU)
HST 372: Modern Middle East (SB & G & H)	CRJ 405: Neighborhoods and Crime	HCR 230: Culture and Health (C & G) or HSC 210: Cultural Aspects of Health (C)
HST 430: The Ottoman Empire in the Classical Period	CRJ 406: Sex Crimes	HCR 231: Fundamentals of Community Health
MCO 430: International Mass Communication (G)	CRJ 408: Drugs and Crime	HCR 310: Fundamentals of Human Trafficking (SB)
REL 100: Religions of the World (HU & G)	CRJ 422: Violence in America	HCR 331: Communication within Communities
REL 201: Religion and the Modern World (L or HU)	CRJ 461: Domestic Violence	HST 333: African American History to 1865 (SB & H & C)
REL 365: Islamic Civilization (HU & H)	CRJ 462: Gangs	MCO 120: Media and Society (SB)
REL 369: Women in Islam	CRJ 463: White Collar Crime	MCO 240: Media Issues in American Pop Culture
	CRJ 470: Discretionary Justice (L or SB)	MCO 335: Social Media
	ENG 216: Persuasive Writing on Public Issues (L)	MCO 456: Political Communication (SB)
	ENG 217: Writing Reflective Essays (L)	MCO 425: Digital Media Literacy I

REL 390: Women, Gender and Religion (HU & G)	ENG 301: Writing for the Professions (L)	MCO 426: Digital Media Literacy II
SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)	ENG 317: Cross-Cultural Writing ((L or HU) & G)	MCO 460: Race, Gender, and Media (C)
SWU 456: Immigrants and Refugees (C)	HCR 231: Fundamentals of Community Health	NLM 160: Voluntary Action and Community Leadership (SB)
SWU 457: Southwest Borderland Immigration Issues (C)	HCR 310: Fundamentals of Human Trafficking (SB)	NLM 220: Introduction to Nonprofit Organizations
TDM 205: Introduction to Travel and Tourism (G)	HCR 331: Communication within Communities	NLM 300: Fund Raising and Resource Development
WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)	MCO 456: Political Communication (SB)	NLM 310: Volunteer Management
WST 380: Race, Gender, and Class (SB & C)	MIS 101: Introduction to the United States Army	OGL 220: Behavioral Dynamics in Organizations (SB)
WST 390: Women, Gender and Religion (HU & G)	MIS 102: Foundation of Agile and Adaptive Leadership	OGL 260: Resource Allocation in Organizations
	MIS 201: Army Leadership and Decision Making	OGL 300: Theory and Practice of Leadership
	MIS 202: Army Doctrine and Team Development	OGL 343: Social Processes in Organizations (SB)
	MIS 301: Training Management and the Warfighting Functions (L)	OGL 345: Organizational Ethics (HU)
	MIS 302: Applied Leadership in Small-Unit Operations (L)	OGL 350: Diversity and Organizations (L & C)
	NAV 101: Introduction to Naval Science	OGL 355: Leading Organizational Innovation and Change
	NAV 102: Sea Power and Maritime Affairs	OGL 357: Assessment in Organizations
	NAV 402: Leadership and Ethics	OGL 360: Assessment of Leadership Effectiveness
	NLM 160: Voluntary Action and Community Leadership (SB)	PAF 220: Introduction to Urban America
	NLM 220: Introduction to Nonprofit Organizations	PAF 240: Urban Policy (C)
	NLM 300: Fund Raising and Resource Development	PAF 305: Urban Governance
	NLM 310: Volunteer Management	PAF 311: Leadership and Change (SB)
	OGL 220: Behavioral Dynamics in Organizations (SB)	PAF 351: Urban and Metropolitan Studies
	OGL 260: Resource Allocation in Organizations	PAF 352: Urban Theory
	OGL 300: Theory and Practice of Leadership	PAF 410: Building Leadership Skills (SB)
	OGL 343: Social Processes in Organizations (SB)	PAF 420: Managing Across Boundaries
	OGL 345: Organizational Ethics (HU)	PAF 460: Public Service Ethics
	OGL 350: Diversity and Organizations (L & C)	PHI 101: Introduction to Philosophy (HU)
		PHI 105: Intro to Ethics (HU)
		PHI 306: Applied Ethics (HU)
		PRM 145: Special Events Management
		PRM 487: Advanced Special Events Management
		SPA 317: Spanish for the Professions (G)

OGL 355: Leading Organizational Innovation and Change	SPA 318: Advanced Spanish for Health Care Professionals
OGL 357: Assessment in Organizations	SPA 401: Spanish Oral Communication for the Professions
OGL 360: Assessment of Leadership Effectiveness	SPA 402: Written Communication for the Professions
PAF 240: Urban Policy (C)	SPA 404: Spanish in U. S. Professional Communities ((L or HU) & C)
PAF 305: Urban Governance	SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)
PAF 311: Leadership and Change (SB)	SPA 406: Introduction to Spanish/English Medical Interpretation
PAF 410: Building Leadership Skills (SB)	STS 331: Ethical Issues in Science and Technology (SB)
PAF 420: Managing Across Boundaries	SWU 171: Introduction to Social Work (SB & H)
PAF 460: Public Service Ethics	SWU 181: Economics: A Social Issues Perspective
SWU 181: Economics: A Social Issues Perspective	SWU 182: Social Services Perspective of Government (SB)
SWU 182: Social Services Perspective of Government (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
SWU 432: Social Policy and Services	SWU 432: Social Policy and Services
SWU 456: Immigrants and Refugees (C)	SWU 456: Immigrants and Refugees (C)
SWU 457: Southwest Borderland Immigration Issues (C)	SWU 457: Southwest Borderland Immigration Issues (C)
USL 210: Service Learning: Intro to Diverse Community Issues (L & C)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
USL 402: Service Learning: Education & Youth (C)	TDM 205: Introduction to Travel and Tourism (G)
VTS 301: Veterans, Society and Service: Experience of America's Modern Wars (H)	
VTS 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C)	

Values, Identities and Society

CAP 220: Self in a Multicultural Society (C)

CDE 232: Human Development (SB)

COM 100: Introduction to Human Communication (SB)

COM 207: Introduction to Communication Inquiry

COM 222: Argumentation (L)

COM 225: Public Speaking (L)

COM 230: Small Group Communication (SB)

COM 250: Communication and the Workplace (SB)

COM 259: Communication in Business and the Professions

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COM 263: Elements of Intercultural Communication (SB & C & G)

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COM 312: Communication, Conflict, and Negotiation

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COM 316: Gender and Communication (SB & C)

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COM 323: Communication Approaches to Popular Culture (C)

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COM 371: Language, Culture, and Communication (SB & C & G)

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CRJ 350: Law and Social Control (SB)

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CRJ 403: Victims and the Criminal Justice System

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CRJ 404: Juvenile Delinquency

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CRJ 405: Neighborhoods and Crime

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CRJ 406: Sex Crimes

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CRJ 408: Drugs and Crime

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CRJ 422: Violence in America

---

CRJ 461: Domestic Violence

---

CRJ 462: Gangs

---

CRJ 463: White Collar Crime

---

ENG 216: Persuasive Writing on Public Issues (L)

---

ENG 217: Writing Reflective Essays (L)

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ENG 218: Writing About Literature (L or HU)

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ENG 287: Beginning Creative Writing Workshop in Poetry

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ENG 288: Beginning Creative Writing Workshop in Fiction

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ENG 301: Writing for the Professions (L)

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ENG 364: Women and Literature (HU)

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ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice

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ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice

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HCR 230: Culture and Health (C & G) or HSC 210: Cultural Aspects of Health (C)

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HCR 310: Fundamentals of Human  
Trafficking (SB)

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HCR 331: Communication within  
Communities

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HST 110: United States Since 1865 (SB & H)

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HST 230: Introduction to Jewish Civilization  
(HU & H & G)

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HST 306: The Civil Rights Movement ((HU or  
SB) & H)

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HST 327: Women in U.S. History, 1600 to  
1880 ((HU or SB) & C & H)

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HST 328: Women in U.S. History, 1880-1980  
((HU or SB) & C & H)

---

HST 333: African American History to 1865  
(SB & H & C)

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HST 368: Culture and Imagination in  
European History (HU & H)

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HST 372: Modern Middle East (SB & G & H)

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HST 430: The Ottoman Empire in the  
Classical Period

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MCO 335: Social Media

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MCO 425: Digital Media Literacy I

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MCO 426: Digital Media Literacy II

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PHI 101: Introduction to Philosophy (HU)

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PHI 105: Intro to Ethics (HU)

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PHI 306: Applied Ethics (HU)

---

PSY 101: Introduction to Psychology (SB)

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PSY 350: Social Psychology (SB)

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REL 100: Religions of the World (HU & G)

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REL 201: Religion and the Modern World (L  
or HU)

---

REL 365: Islamic Civilization (HU & H)

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REL 369: Women in Islam

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REL 390: Women, Gender and Religion (HU  
& G)

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SWU 456: Immigrants and Refugees (C)

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SWU 461: Lesbian, Gay, Bisexual,  
Transgender, and Queer Issues (C)

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WST 100: Women, Gender, and Society (SB  
& C) or WST 300: Women and Gender in  
Contemporary Society (SB & C)

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WST 380: Race, Gender, and Class (SB & C)

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WST 390: Women, Gender and Religion (HU & G)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### History, BA

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus

LSHISBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 HST Elective	3	C	
ASU 101-CLS: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Mathematics (MA) ( MAT 142 recommended)	3		
Elective	3		
 Maintain 2.25 GPA in Critical Tracking Courses. Minimum 2.25 GPA in HST.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 HST Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.25 GPA in Critical Tracking Courses. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST Elective	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		

🚩 Complete Mathematics (MA) requirement.

🚩 Maintain 2.25 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 Additional History Related Area	3	C	• Students will complete a total of 15 credit hours in a History Related Area Field. 9 credit hours must be selected from a single subject area, and at least six of those credit hours must be upper division. The remaining six credit hours can be selected from any subjects in the list, and at least three of those credit hours must be upper division. See more information at the bottom of the major map. Students will choose Related Area Fields in consultation with their History academic advisor.
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
🚩 Maintain 2.25 GPA in Critical Tracking Courses.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HST Upper Division Elective	3	C	• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>
History Single Subject Related Area	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Minimum 2.25 GPA in HST.			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HST Upper Division Elective	3	C	• Use Handshake to research <b>employment opportunities</b> . • Students will complete a total of 15 credit hours in a History Related Area Field. 9 credit hours must be selected from a single subject area, and at least six of those credit hours must be upper division. The remaining six credit hours can be selected from any subjects in the list, and at least three of those credit hours must be upper division. See more information at the bottom of the major map. Students will choose Related Area Fields in consultation with their History academic advisor.
Upper Division Additional History Related Area	3	C	
Complete 3 courses: Upper Division Elective	9		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	15		

Term 7 93 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HST Upper Division Elective	3	C	• Gather <b>professional references</b> . • Apply for <b>full-time career opportunities</b> .
Complete 2 courses: Upper Division History Single Subject Related Area	6	C	
Upper Division Elective	3		
Minimum 2.25 GPA in HST.			
Term hours subtotal:	12		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 495: Methods of Historical Inquiry (L) OR HST 493: Honors Thesis (L)	3	C	• Students in the Barrett Honors College may take HST 493: Honors Thesis in place of HST 495: Methods of Historical Inquiry.
HST 484: Internship OR Upper Division Elective	3		
HST Upper Division Elective	3	C	
Complete 2 courses: Elective	6		
Minimum 2.25 GPA in HST.			
Term hours subtotal:		15	

- Students will complete a total of 15 credit hours of History Related Area courses (including a minimum of nine upper-division hours). History Related subjects include: English (ENG), Integrative Social Sciences (ISS), Philosophy (PHI), Political Science (POS), Religious Studies (REL), Sociology (SOC), Science Technology and Society (STS) and Veterans Studies (VTS).
- Students will select one subject of study from the History Related Area course list, and complete nine hours of coursework within that subject. At least six of those hours must be upper division. All courses must be from the same subject.
- The remaining six credit hours can be taken from any subject area listed below; courses do not have to be from the same subject. At least three of those hours must be upper division.

Hide Course List(s)/Track Group(s)

History Single Subject Related Area - Choose One Subject (9 Hours)	Additional History Related Area (6 Hours)
ENG Elective	ENG Elective
ISS Elective	ISS Elective
PHI Elective	PHI Elective
POS Elective	POS Elective
REL Elective	REL Elective
SOC Elective	SOC Elective
STS Elective	STS Elective
VTS Elective	VTS Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 upper-division credit hours of HST courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### History of Science, Ideas and Innovation, BA

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#)

LSHSIIBA

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<ul style="list-style-type: none"> <li>ENG 101 or ENG 102: First-Year Composition OR</li> <li> ENG 105: Advanced First-Year Composition OR</li> <li>ENG 107 or ENG 108: First-Year Composition</li> </ul>	3	C	<ul style="list-style-type: none"> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• Select your <b>career interest communities</b> area and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Mathematics (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13		
Term 2 13 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<ul style="list-style-type: none"> <li>ENG 101 or ENG 102: First-Year Composition OR</li> <li> ENG 105: Advanced First-Year Composition OR</li> <li>ENG 107 or ENG 108: First-Year Composition</li> </ul>	3	C	<ul style="list-style-type: none"> <li>• Students must select Related Area courses all from <b>one</b> subject/prefix indicated at bottom of the major map.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	15		
Term 3 28 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 280: History of Science, Ideas and Innovation (SB & G & H)	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 History of Science, Ideas and Innovation Elective	3	C	
Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement. Term hours subtotal:	16		
Term 4 44 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	

Computer/Statistics/Quantitative Applications (CS)	3
Historical Awareness (H)	3
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Elective	3
Term hours subtotal:	16

- Students must select Related Area courses all from **one** subject/prefix indicated at bottom of the major map.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Students must choose History of Science, Ideas and Innovation Elective credits from the list provided at the bottom of the major map.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Complete 3 courses:	9	C	
Upper Division History of Science, Ideas and Innovation Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 3 courses:	9	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division History of Science, Ideas and Innovation Elective	3		
Complete 2 courses:	6		
Elective	3		
Term hours subtotal:	15		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 3 courses:	9	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division History of Science, Ideas and Innovation Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 495: Methods of Historical Inquiry (L)	3	C	
★ Complete 4 courses:	12	C	
Upper Division History of Science, Ideas and Innovation Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

History of Science, Ideas and Innovation Electives	Related Area Courses (9 credits from ONE subject below)
HST 294: Special Topics	ABS Elective
HST 300: Veterans, Society and Service: Experience of America's Modern Wars	AMT Elective
HST 301: Global History of Health (SB & G & H)	ATC Elective
	BIO Elective

HST 308: History and Philosophy of Sustainability	EGR Elective
HST 309: Exploration and Empire ((L or HU) & H)	IFT Elective
HST 312: History of Women in Science and Medicine (HU or SB)	ISS Elective
HST 318: History of Engineering ((L or SB) & G)	PHY Elective
HST 319: History of Aviation (H)	POS Elective
HST 345: Environmental History (L)	SOC Elective
HST 380: Studies in the History of Science	STS Elective
HST 381: Studies in the History of Ideas	
HST 382: Studies in the History of Innovation and Technology (H)	
HST 385: History of Chinese Medicine (HU & H & G)	
HST 394: Special Topics	
HST 482: Writing and the History of Science, Ideas and Technology (L)	
HST 484: Internship	
HST 494: Special Topics	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of HST courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map



### Integrative Social Science, BS



School/College: College of Integrative Sciences and Arts




Location: Polytechnic campus



LSISSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ISS 110: Dimensions of Social Science (SB) OR ISS 302: Scope of Social Science (SB)	3	C	<ul style="list-style-type: none"> <li>Students beginning their college experience at ASU will take ISS 110 to fulfill the introduction course requirement. Students who transfer to ASU with more than 45 credit hours will take ISS 302 to fulfill this requirement.</li> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Social-Behavioral Sciences (SB)	3		
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>Visit the <b>Career and Professional Development Center</b> to identify networking opportunities and to seek career planning assistance.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
		Minimum	

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 Social-Behavioral Sciences (SB)	3		
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ISS 301: Integrated Social Science Research Methods (SB) OR POS 301: Empirical Political Inquiry (SB) OR STS 301: Research in Science and Technology Studies (SB)	3	C	<ul style="list-style-type: none"> <li>• Students will select a concentration in Ethics, Gender and Social Justice or a concentration in Globalization and International Political Economy. Each concentration requires 12 hours of core courses and 15 hours of elective courses within the same theme.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Upper Division Ethics, Gender and Social Justice Core OR Upper Division Globalization and International Political Economy Core	3	C	
<i>Complete 2 courses:</i>			
Upper Division Ethics, Gender and Social Justice Electives OR Upper Division Globalization and International Political Economy Electives	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ISS 304: Integrated Theories of Social Science (SB)	3	C	<ul style="list-style-type: none"> <li>• Students will select a concentration in Ethics, Gender and Social Justice or a concentration in Globalization and International Political Economy. Each concentration requires 12 hours of core courses and 15 hours of elective courses within the same theme.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Ethics, Gender and Social Justice Core OR Upper Division Globalization and International Political Economy Core	3	C	
Upper Division Ethics, Gender and Social Justice Electives OR Upper Division Globalization and International Political Economy Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ISS 401: Statistics for Integrated Social Science (MA) OR POS 401: Political Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	C	<ul style="list-style-type: none"> <li>• Students will select a concentration in Ethics, Gender and Social Justice or a concentration in Globalization and International Political Economy. Each concentration requires 12 hours of core courses and 15 hours of elective courses within the same theme.</li> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division Ethics, Gender and Social Justice Core OR Upper Division Globalization and International Political Economy Core	3	C	
Upper Division Ethics, Gender and Social Justice Electives OR Upper Division Globalization and International Political Economy Electives	3	C	
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	15		

		Minimum	
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Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ ISS 484: Internship OR ISS 498: Pro-Seminar	3	C	<ul style="list-style-type: none"> <li>ISS 484 is recommended for students taking the program as a terminal degree for professional practice. ISS 498 Capstone or Applied Project are recommended for students preparing for further studies.</li> <li>Students will select a concentration in Ethics, Gender and Social Justice or a concentration in Globalization and International Political Economy. Each concentration requires 12 hours of core courses and 15 hours of elective courses within the same theme.</li> </ul>
Upper Division Ethics, Gender and Social Justice Core OR Upper Division Globalization and International Political Economy Core	3	C	
Upper Division Ethics, Gender and Social Justice Electives OR Upper Division Globalization and International Political Economy Electives	3	C	
Elective	3		
Term hours subtotal:	12		

Students will select a concentration in Ethics, Gender and Social Justice or a concentration in Globalization and International Political Economy. Each concentration requires 12 hours of core courses and 15 hours of elective courses within the same theme.

Hide Course List(s)/Track Group(s)

Globalization and International Political Economy Core	Ethnicity, Gender and Social Justice Core	Ethnicity, Gender and Social Justice Electives
ISS 482: Globalization and International Political Economy	ISS 437: Integrative Ethics in Social Science	FAS 332: Human Sexuality (SB)
POS 310: American National Government (SB)	ISS 441: Conflict and Conflict Resolution (SB & G)	FAS 370: Family Ethnic and Cultural Diversity (SB & C)
POS 485: Political Economy (SB)	POS 485: Political Economy (SB)	ISS 410: Integrative Leadership Studies (SB)
STS 304: Science, Technology and Society (SB)	WST 380: Race, Gender, and Class (SB & C)	ISS 428: Religion and Global Violence (SB & G)
		ISS 456: Culture, Conflict and War ((L or SB) & G)
		POS 339: Grassroots Social Movements (SB)
		POS 439: Minority Group Politics in America (SB & C)
		POS 467: International Security (SB & G)
		SOC 315: Courtship and Marriage (SB)
		SOC 352: Social Change (SB & G & H)
		SOC 415: The Family (SB)
		SOC 420: Sociology of Religion (L or SB)
		SOC 421: Education and Society (SB)
		STS 306: Social Effects of Science and Technology (SB)
		STS 328: Science, Technology, and Culture (SB)
		STS 331: Ethical Issues in Science and Technology (SB)

STS 364: Science, Technology, and National Security (SB)

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WST 300: Women and Gender in Contemporary Society (SB & C)

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Globalization and International Political Economy Electives

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ISS 410: Integrative Leadership Studies (SB)

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ISS 441: Conflict and Conflict Resolution (SB & G)

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ISS 450: Consumerism and Sustainable Development (SB)

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ISS 456: Culture, Conflict and War ((L or SB) & G)

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POS 316: American Political Institutions

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POS 325: Public Policy Development (SB)

---

POS 339: Grassroots Social Movements (SB)

---

POS 346: Problems of Democracy (HU)

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POS 350: Comparative Politics (SB & G)

---

POS 360: World Politics (SB & G)

---

POS 361: American Foreign Policy (SB & G)

---

POS 364: National Security, Intelligence, and Terrorism (SB)

---

POS 370: Law and Society (SB)

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POS 426: Elements of Public Policy (SB)

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POS 467: International Security (SB & G)

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POS 486: International Political Economy (SB & G)

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STS 302: Philosophy of Science and Technology (SB)

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STS 303: History of Science and Technology (H)

---

STS 305: Science and Social Theory (SB)

---

STS 306: Social Effects of Science and Technology (SB)

---

STS 317: Science, Technology, and Global Engagement (SB & G)

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STS 318: Science, Technology, and Government (SB)

---

STS 325: Science, Technology, and Public Policy (SB)

---

STS 328: Science, Technology, and Culture  
(SB)

---

STS 329: Technology in Developing Countries  
(SB & G)

---

STS 330: Information Technology and  
Globalization (SB & G)

---

STS 331: Ethical Issues in Science and  
Technology (SB)

---

STS 332: Global Issues in Science and  
Technology (SB)

---

STS 364: Science, Technology, and National  
Security (SB)

---

STS 425: Law, Values, Science, and  
Technology (SB)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Interdisciplinary Studies, BA

School/College: College of Integrative Sciences and Arts

Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus

LSBISBIS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) (IDS 201 recommended)	3		
Elective	3		
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Mathematics (MA) (MAT 142 recommended)	3		
Natural Science - Quantitative (SQ)	4		
Complete 2 courses:	6		
Elective			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>Recommended Elective: IDS 140 The Nature of Knowledge Systems.</li> <li>Choose IDS concentration areas in collaboration with an <b>IDS academic advisor</b>. Available offerings are found <a href="#">here</a>.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Global Awareness (G)	3		
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Concentration #1 Course	3	C	
 Concentration #2 Course	3	C	

Cultural Diversity in the U.S. (C)	3
Literacy and Critical Inquiry (L)	3
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Term hours subtotal:	16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Concentration #1 Course	3	C	• Build your professional connections -- join the ASU Mentor Network
★ Concentration #2 Course	3	C	
★ IDS 301: Becoming Interdisciplinary OR IDS 201: Intellectual Fusion (SB)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Integrative Context Course	3	C	• Use Handshake to research employment opportunities.
Upper Division Concentration #1 Course	3	C	
Upper Division Concentration #2 Course	3	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IDS 302: Integration Skills	3	C	• Begin exploring IDS 401 Experiential Learning opportunities. Email CISA@asu.edu to begin the process. • Gather professional references. • Apply for full-time career opportunities.
Upper Division Concentration #1 Course	3	C	
Upper Division Concentration #2 Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IDS 401: Integration: Experiential Learning	3	C	
Upper Division Concentration #1 Course	3	C	
Upper Division Concentration #2 Course	3	C	
Upper Division Integrative Context Course	3	C	
Integrative Application Course	3	C	
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Integrative Context Course	Integrative Application Course
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IDS 310: Integration: Cultural Contexts (C)	IDS 140: The Nature of Knowledge Systems
IDS 311: Integration: Global Contexts	IDS 302: Integration Skills
IDS 312: Integrative Perspectives on Change	IDS 310: Integration: Cultural Contexts (C)
IDS 313: Integrative Perspectives on a Changing World	IDS 311: Integration: Global Contexts
IDS 314: Integrative Perspectives on Cultural Dynamics (SB)	IDS 312: Integrative Perspectives on Change
IDS 315: Integration: Social Contexts (SB)	IDS 313: Integrative Perspectives on a Changing World
IDS 316: Integration: Humanities Contexts (HU)	IDS 314: Integrative Perspectives on Cultural Dynamics (SB)
	IDS 315: Integration: Social Contexts (SB)
	IDS 316: Integration: Humanities Contexts (HU)
	IDS 484: Internship

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Interdisciplinary Studies, BA




School/College: [College of Integrative Sciences and Arts](#)




Location: [Online, ASU Local@Los Angeles](#)



LSBISBIS

### **FT** Fast Track Options: 3 Year


A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time first-year registration information <a href="#">here</a>.</li> </ul>
Social-Behavioral Sciences (SB) (IDS 201 recommended)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA) (MAT 142 recommended)	3		
Elective	3		
Term hours subtotal:	6		

Term 2 - B 19 - 26 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 26 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❗ Concentration #1 Course	3	C
Elective	3	
Term hours subtotal:	6	

- Recommended Elective: IDS 140 The Nature of Knowledge Systems.
- Choose IDS concentration areas in collaboration with an **IDS academic advisor**. Available offerings are found [here](#).

Term 3 - B 32 - 39 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Concentration #2 Course	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 39 - 45 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Concentration #1 Course	3	C	
Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Concentration #2 Course	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IDS 301: Becoming Interdisciplinary OR IDS 201: Intellectual Fusion (SB)	3	C	• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IDS 302: Integration Skills	3	C	• Use Handshake to research <a href="#">employment opportunities</a> .
Upper Division Concentration #1 Course	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Concentration #1 Course	3	C	
★ Upper Division Concentration #2 Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Concentration #1 Course	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Concentration #2 Course	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Concentration #2 Course	3	C	<ul style="list-style-type: none"> <li>• Begin exploring IDS 401 Experiential Learning opportunities. Email CISA@asu.edu to begin the process.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Integrative Context Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ IDS 401: Integration: Experiential Learning	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Integrative Context Course	3	C	
Upper Division Integrative Application Course	3	C	
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Integrative Context Course	Integrative Application Course
IDS 310: Integration: Cultural Contexts (C)	IDS 140: The Nature of Knowledge Systems
IDS 311: Integration: Global Contexts	IDS 302: Integration Skills
IDS 312: Integrative Perspectives on Change	IDS 310: Integration: Cultural Contexts (C)
IDS 313: Integrative Perspectives on a Changing World	IDS 311: Integration: Global Contexts
IDS 314: Integrative Perspectives on Cultural Dynamics (SB)	IDS 312: Integrative Perspectives on Change
IDS 315: Integration: Social Contexts (SB)	IDS 313: Integrative Perspectives on a Changing World
IDS 316: Integration: Humanities Contexts (HU)	IDS 314: Integrative Perspectives on Cultural Dynamics (SB)
	IDS 315: Integration: Social Contexts (SB)
	IDS 316: Integration: Humanities Contexts (HU)
	IDS 484: Internship

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map





### Interdisciplinary Studies (Organizational Studies), BA

School/College: [College of Integrative Sciences and Arts](#)



Location: [Online, ASU Local@Los Angeles](#)



LSORGBIS
















Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
Elective	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-time first-year registration information <a href="#">here</a>.</li> </ul>
 Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>• Recommended Elective: IDS 201 Intellectual Fusion.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Elective	3		
Term hours subtotal:	7		

Term 3 - B 32 - 38 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		
Term 4 - A 38 - 44 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:	6		
Elective			
Term hours subtotal:	6		
Term 4 - B 44 - 51 Credit Hours <span style="color: red;">Critical course signified by</span> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		
Term 5 - A 51 - 57 Credit Hours <span style="color: red;">Necessary course signified by</span> 	Hours	Minimum Grade	Notes
 IDS 300: Theories and Applications of Organizational Studies (L or SB)	3	C	• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>
Upper Division Elective	3		
Term hours subtotal:	6		
Term 5 - B 57 - 63 Credit Hours <span style="color: red;">Necessary course signified by</span> 	Hours	Minimum Grade	Notes
 OGL 340: Special Topics	3	C	
 OGL 343: Social Processes in Organizations (SB)	3	C	
Term hours subtotal:	6		
Term 6 - A 63 - 69 Credit Hours <span style="color: red;">Necessary course signified by</span> 	Hours	Minimum Grade	Notes
 OGL 340: Special Topics	3	C	• Use Handshake to research <a href="#">employment opportunities</a> .
 OGL 365: Organizational Contexts (SB)	3	C	
Term hours subtotal:	6		
Term 6 - B 69 - 75 Credit Hours <span style="color: red;">Necessary course signified by</span> 	Hours	Minimum Grade	Notes
 OGL 345: Organizational Ethics (HU)	3	C	
IDS 201: Intellectual Fusion (SB) OR IDS 301: Becoming Interdisciplinary	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
Term 7 - A 75 - 81 Credit Hours <span style="color: red;">Necessary course signified by</span> 	Hours	Minimum Grade	Notes
 IDS 302: Integration Skills	3	C	
Elective	3		

Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ OGL 365: Organizational Contexts (SB)	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Apply for full-time career opportunities.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
OGL 355: Leading Organizational Innovation and Change	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ OGL 350: Diversity and Organizations (L & C)	3	C	<ul style="list-style-type: none"> <li>• Begin exploring IDS 401 Integrative Experiential Learning opportunities. Email <a href="mailto:CISA@asu.edu">CISA@asu.edu</a> to begin the process.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
OGL 360: Assessment of Leadership Effectiveness	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IDS 401: Integration: Experiential Learning	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ OGL 357: Assessment in Organizations	3	C	
★ Upper Division Integrative Context Course	3	C	
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

- Integrative Context Courses
- IDS 310: Integration: Cultural Contexts (C)
- IDS 311: Integration: Global Contexts
- IDS 312: Integrative Perspectives on Change

IDS 313: Integrative Perspectives on a Changing World

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IDS 314: Integrative Perspectives on Cultural Dynamics (SB)

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IDS 315: Integration: Social Contexts (SB)

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IDS 316: Integration: Humanities Contexts (HU)

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IDS 484: Internship

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Liberal Studies, BA

School/College: College of Integrative Sciences and Arts

Location: Polytechnic campus, ASU@The Gila Valley

LABLSBLS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
Cultural Diversity in the U.S. (C)	3		
Mathematics (MA) ( MAT 142 recommended)	3		
<i>Complete 2 courses:</i> Elective	6		
Term hours subtotal:	16		
Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Natural Science - Quantitative (SQ)	4		
<i>Complete 2 courses:</i> Elective	6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		
Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Global Awareness (G)	3		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Historical Awareness (H)	3		
<i>Complete 3 courses:</i> Elective	9		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 44 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		

Complete 3 courses: 9  
 Elective

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LST 370: Dimensions of Liberal Studies (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>• Students should consult the <a href="#">CISA liberal studies</a> website for a list of recommended HU and SB courses.</li> </ul>
★ Upper Division Humanities, Arts and Design (HU)	3	C	
★ Upper Division Social-Behavioral Sciences (SB)	3	C	
Complete 2 courses:	6		
Elective	6		
Term hours subtotal:		15	

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Humanities, Arts and Design (HU)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Students should consult the <a href="#">CISA liberal studies</a> website for a list of recommended HU and SB courses.</li> </ul>
★ Upper Division Social-Behavioral Sciences (SB)	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LST 470: Liberal Studies Seminar	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> <li>• Students should consult the <a href="#">CISA liberal studies</a> website for a list of recommended HU and SB courses.</li> </ul>
★ Upper Division Humanities, Arts and Design (HU)	3	C	
★ Upper Division Social-Behavioral Sciences (SB)	3	C	
LST 484: Internship OR Upper Division Elective	3		
Elective	3		
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Humanities, Arts and Design (HU)	3	C	<ul style="list-style-type: none"> <li>• Students should consult the <a href="#">CISA liberal studies</a> website for a list of recommended HU and SB courses.</li> </ul>
★ Upper Division Social-Behavioral Sciences (SB)	3	C	
Complete 3 courses:	9		
Upper Division Elective	6		
Term hours subtotal:		15	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map



### Liberal Studies, BA

School/College: [College of Integrative Sciences and Arts](#)



Location: [Online, ASU Local@Los Angeles](#)

LABLSBLS




Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
Elective	3		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA) ( MAT 142 recommended)	3		
Elective	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Elective	3		
Term hours subtotal:	7		
		Minimum	

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
Historical Awareness (H)	3		
Elective	3		
<b> Complete Mathematics (MA) requirement.</b>			
Term hours subtotal:	6		



Term 4 - A 38 - 45 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		



Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<b> Computer/Statistics/Quantitative Applications (CS)</b>	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Elective	6		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 LST 370: Dimensions of Liberal Studies (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> <li>• Students should consult the <a href="#">CISA liberal studies</a> website for a list of recommended HU and SB courses.</li> </ul>
 Upper Division Humanities, Arts and Design (HU)	3	C	
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Humanities, Arts and Design (HU)	3	C	
 Upper Division Social-Behavioral Sciences (SB)	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Students should consult the <a href="#">CISA liberal studies</a> website for a list of recommended HU and SB courses.</li> </ul>
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
 Upper Division Humanities, Arts and Design (HU)	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Humanities, Arts and Design (HU)	3	C	<ul style="list-style-type: none"> <li>Students should consult the <a href="#">CISA liberal studies</a> website for a list of recommended HU and SB courses.</li> </ul>
★ Upper Division Social-Behavioral Sciences (SB)	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Social-Behavioral Sciences (SB)	3	C
Elective	3	
Term hours subtotal:	6	

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Elective	3		<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> <li>Students should consult the <a href="#">CISA liberal studies</a> website for a list of recommended HU and SB courses.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Elective	3	
Elective	3	
Term hours subtotal:	6	

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ LST 470: Liberal Studies Seminar	3	C
Elective	3	
Term hours subtotal:	6	

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	6	

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Elective	3	
Term hours subtotal:	3	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition











General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Organizational Leadership, BA

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#), [ASU@Cochise](#), [ASU@Lake Havasu](#), [ASU@Pima](#), [ASU@Pinal](#), [ASU@The Gila Valley](#), [ASU@Yuma](#), [ASU@Yavapai](#)  
LSORGLBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<ul style="list-style-type: none"> <li>ENG 101 or ENG 102: First-Year Composition OR</li> <li> ENG 105: Advanced First-Year Composition OR</li> <li>ENG 107 or ENG 108: First-Year Composition</li> </ul>	3	C	<ul style="list-style-type: none"> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
<ul style="list-style-type: none"> <li> Mathematics (MA)</li> </ul>	3		
ASU 101-CLS: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	16		
Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<ul style="list-style-type: none"> <li>ENG 101 or ENG 102: First-Year Composition OR</li> <li> ENG 105: Advanced First-Year Composition OR</li> <li>ENG 107 or ENG 108: First-Year Composition</li> </ul>	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		
Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 OGL 200: Introduction to Organizational Leadership (SB)	3	C	<ul style="list-style-type: none"> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 OGL 220: Behavioral Dynamics in Organizations (SB)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 44 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 OGL 260: Resource Allocation in Organizations	3	C	



Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4

Complete 3 courses:  
Elective 9

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 300: Theory and Practice of Leadership	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the ASU Mentor Network</li> </ul>
★ OGL 343: Social Processes in Organizations (SB)	3	C	
OGL 320: Foundations of Project Management	3	C	
OGL 340: Special Topics	3	C	
OGL 365: Special Topics	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 345: Organizational Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> <li>Consider additional OGL 340 Topics courses to fill elective credits (beyond the six required credits).</li> </ul>
★ OGL 350: Diversity and Organizations (L & C)	3	C	
★ OGL 355: Leading Organizational Innovation and Change	3	C	
OGL 340: Special Topics	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> <li>Any upper division OGL course will satisfy the OGL upper division elective requirement.</li> <li>Students may take no more than 3 credit hours of OGL 484.</li> </ul>
OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness	3	C	
OGL 365: Special Topics	3	C	
OGL Upper Division Elective	3	C	
OGL 484: Internship OR Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 482: Organizational Leadership Pro-Seminar II (L)	3	C	<ul style="list-style-type: none"> <li>Any upper division OGL course will satisfy the OGL upper division elective requirement.</li> </ul>
OGL Upper Division Elective	3	C	
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Notes:

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Organizational Leadership, BA




School/College: [College of Integrative Sciences and Arts](#)




Location: [Online, ASU Local@Los Angeles](#)



LSORGLBA



#### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA) ( MAT 142 recommended)	3		
Elective	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 200: Introduction to Organizational Leadership (SB)	3	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ OGL 220: Behavioral Dynamics in Organizations (SB)	3	C
Elective	3	
Term hours subtotal:	6	

Term 3 - B 31 - 38 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 38 - 44 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
Term hours subtotal:	6		

Term 4 - B 44 - 50 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ OGL 260: Resource Allocation in Organizations	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - A 50 - 57 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 5 - B 57 - 63 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 300: Theory and Practice of Leadership	3	C	<ul style="list-style-type: none"> <li>Consider OGL 340 Special Topics courses for upper division electives (beyond the six credits required).</li> </ul>
OGL 340: Special Topics	3	C	
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 340: Special Topics	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
★ OGL 343: Social Processes in Organizations (SB)	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 345: Organizational Ethics (HU)	3	C	
OGL 320: Foundations of Project Management	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OGL 350: Diversity and Organizations (L & C)	3	C
.....		
OGU Upper Division Elective	3	C
.....		
Term hours subtotal:	6	

- Any upper division OGL course will satisfy the OGL upper division elective requirement.

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OGL 355: Leading Organizational Innovation and Change	3	C
.....		
Elective	3	
.....		
Term hours subtotal:	6	

- Use Handshake to research employment opportunities.

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OGL 365: Special Topics	3	C
.....		
Elective	3	
.....		
Term hours subtotal:	6	

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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OGU 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness	3	C
.....		
Elective	3	
.....		
Term hours subtotal:	6	

- Gather professional references.
- Apply for full-time career opportunities.

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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OGU Upper Division Elective	3	C
.....		
Elective	3	
.....		
Term hours subtotal:	6	

- Any any upper division OGL course will satisfy the OGL upper division elective requirement.

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OGL 365: Special Topics	3	C
.....		
Elective	3	
.....		
Term hours subtotal:	6	

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OGL 481: Organizational Leadership Pro-Seminar I	3	C
.....		
Upper Division Elective OR OGL 484: Internship	3	
.....		
Term hours subtotal:	6	

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ OGL 482: Organizational Leadership Pro-Seminar II (L)	3	C
.....		
Term hours subtotal:	3	

Hide Course List(s)/Track Group(s)

Notes:

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**Total Hours:** 120

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**Total hrs at ASU:** 30 minimum

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**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition













General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Organizational Leadership (Project Management), BA

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [ASU@Cochise](#), [ASU@Pima](#), [ASU@Pinal](#), [ASU@The Gila Valley](#), [ASU@Yavapai](#)  
LSORGLPMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> <li>UGL 194 Special Topic: Self-Leadership and Productivity is highly recommended.</li> </ul>
 Mathematics (MA)	3		
ASU 101-CLS: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	3		
Elective (UGL 194 recommended)	3		
Term hours subtotal:	16		
Term 2 16 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 200: Introduction to Organizational Leadership (SB)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 OGL 220: Behavioral Dynamics in Organizations (SB)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Literacy and Critical Inquiry (L)	3		

Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4

Complete 3 courses:  
Elective 9

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 300: Theory and Practice of Leadership	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the ASU Mentor Network</li> </ul>
★ OGL 345: Organizational Ethics (HU)	3	C	
OGL 320: Foundations of Project Management	3	C	
OGL 340: Special Topics	3	C	
OGL 343: Social Processes in Organizations (SB) OR OGL 355: Leading Organizational Innovation and Change	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 350: Diversity and Organizations (L & C)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
OGL 321: Project Leadership, Strategy and Scope	3	C	
OGL 322: Project Time Management	3	C	
OGL 323: Project Cost Management	3	C	
OGL 324: Resources in Project Management	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 326: Project Procurement Management	3	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> <li>Apply for full-time career opportunities.</li> <li>Consider additional OGL 340 topics courses to fill elective credits (beyond the six required credits).</li> </ul>
OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness	3	C	
OGL 421: Project Risk Management	3	C	
OGL 422: Project Quality Management	3	C	
OGL 484: Internship OR Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	<ul style="list-style-type: none"> <li>Consider additional OGL 340 topics courses to fill elective credits (beyond the six required credits).</li> </ul>
OGL 340: Special Topics	3	C	
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Notes:

-



- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

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**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

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### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Organizational Leadership (Project Management), BA



School/College: [College of Integrative Sciences and Arts](#)



Location: [Online, ASU Local@Los Angeles](#)



LSORGLPMBA














Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA) ( MAT 142 recommended)	3		
Elective	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 200: Introduction to Organizational Leadership (SB)	3	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 220: Behavioral Dynamics in Organizations (SB)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		• Secure a <b>part-time job</b> or <b>volunteer experience</b> .
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		
Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
Term hours subtotal:	6		
Term 4 - B 44 - 50 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 5 - A 50 - 57 Credit Hours	Hours	Minimum Grade	Notes
OGL 320: Foundations of Project Management	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 300: Theory and Practice of Leadership	3	C	
 OGL 321: Project Leadership, Strategy and Scope	3	C	
Term hours subtotal:	6		
Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 340: Special Topics	3	C	• Build your professional connections -- join the <b>ASU Mentor Network</b>
OGL 322: Project Time Management	3	C	
Term hours subtotal:	6		
Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 OGL 340: Special Topics	3	C	
 OGL 345: Organizational Ethics (HU)	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
Term 7 - A 75 - 81 Credit Hours	Hours	Minimum Grade	Notes
OGL 323: Project Cost Management	3	C	
OGL 324: Resources in Project Management	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ OGL 350: Diversity and Organizations (L & C)	3	C	• Use Handshake to research <b>employment opportunities</b> .
OGL 326: Project Procurement Management	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
OGL 421: Project Risk Management	3	C	• Consider OGL 340 Special Topics courses for upper-division electives (beyond the six credits required).
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ OGL 422: Project Quality Management	3	C	• Gather <b>professional references</b> . • Apply for <b>full-time career opportunities</b> .
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
OGL 343: Social Processes in Organizations (SB) OR OGL 355: Leading Organizational Innovation and Change	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ OGL 481: Organizational Leadership Pro-Seminar I	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective OR OGL 484: Internship	3	C	
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map



### Political Science, BS



School/College: College of Integrative Sciences and Arts




Location: Polytechnic campus



LSPOLBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Related Area Course	3	C	
Mathematics (MA)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>Visit the <b>Career and Professional Development Center</b> to identify networking opportunities and to seek career planning assistance.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>The electives in this degree program allow room for students to complete a <b>minor or certificate</b>.</li> <li>Secure a <b>part-time job or volunteer experience</b>.</li> </ul>
 Natural Science - Quantitative (SQ)	4		
Related Area Course	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		<ul style="list-style-type: none"> <li>Attend career-related <b>workshops</b> and <b>meet</b> with a career counselor to discuss professional goals.</li> </ul>
<i>Complete 2 courses:</i> POS Elective	6	C	
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 POS 301: Empirical Political Inquiry (SB) OR ISS 301: Integrated Social Science Research Methods (SB) OR STS 301: Research in Science and Technology Studies (SB)	3	C	<ul style="list-style-type: none"> <li>Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>The electives in this program allow room for students to complete a <b>minor</b> or <b>certificate</b>.</li> <li>Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
POS Upper Division Elective	3	C	
Related Area Course	3	C	
<i>Complete 2 courses:</i> Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 POS 401: Political Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
<i>Complete 2 courses:</i> POS Upper Division Elective	6	C	
<i>Complete 2 courses:</i> Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 POS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> <li>Apply for full-time career opportunities.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
<i>Complete 2 courses:</i> Upper Division Elective	6		
Term hours subtotal:	12		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 POS Upper Division Elective	3	C	
POS 484: Internship Upper Division Elective	3		
<i>Complete 3 courses:</i> Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses

AES OR AFR OR AIS OR APA OR ASB OR  
ASM OR COM OR ECN OR FAS OR GCU  
OR GPH OR HST OR ISS OR JUS OR MIS  
OR PHI OR PSY OR REL OR SGS OR SOC  
OR STS OR TCL OR VTS OR WST Elective

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of POS courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Psychology, BA



School/College: College of Integrative Sciences and Arts



Location: Polytechnic campus



LSPGSBA



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 PSY 101: Introduction to Psychology (SB)	3	C	
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 PSY 230: Introduction to Statistics (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
Complete Mathematics (MA) requirement.			



Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	
Global Awareness (G)	3		
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses:  Upper Division Social-Behavioral Sciences (SB) OR Upper Division Psychology Core	6	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a>.</li> <li>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.</li> <li>• Students will select Upper Division Psychology Electives courses from the track list below.</li> </ul>
CED 250: Career Development (L)	3	C	
Upper Division Psychology Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Social-Behavioral Sciences (SB) OR Upper Division Psychology Core	6	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.</li> <li>• Students will select Upper Division Psychology Electives courses from the track list below.</li> </ul>
Upper Division Psychology Electives	3	C	
Upper Division Elective	3		
Related Area Course	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Psychology Electives	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> <li>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.</li> <li>• Students will select Upper Division Psychology Electives courses from the track list below.</li> </ul>
Complete 2 courses: Upper Division Elective	6		
Complete 2 courses: Upper Division Social-Behavioral Sciences (SB) OR Upper Division Psychology Core	6	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Psychology Electives	3	C	
PSY 484: Internship OR Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Upper Division Psychology Electives (12 Credit Hours Required)	Social Behavioral Science (SB) Core (9 Credit Hours Required)	Psychology Core (9 Credit Hours Required)
PSY 304: Effective Thinking (L)	PSY 341: Developmental Psychology (SB)	PSY 320: Learning and Motivation
PSY 306: Environmental Psychology (SB)	PSY 350: Social Psychology (SB)	PSY 323: Sensation and Perception
PSY 315: Personality Theory and Research (SB)	PSY 366: Abnormal Psychology (SB)	PSY 324: Memory and Cognition
PSY 325: Physiological Psychology		
PSY 330: Statistical Methods (CS)		
PSY 369: Biology of Human Sexuality		
PSY 385: Psychology of Gender (SB)		
PSY 399: Supervised Research		
PSY 425: Biological Bases of Behavior (L)		
PSY 430: Industrial Psychology		
PSY 444: Adolescent Psychology and Psychopathology		
PSY 447: Psychology of Aging (SB)		
PSY 453: Organizational Behavior (SB)		
PSY 470: Psychopharmacology		
PSY 472: Clinical Psychology		
PSY 482: Social Influence and Consumer Behavior (SB)		
Related Area Courses (6 Credit Hours Required)		
ASB Elective		
COM Elective		
HSE Elective		
ISS Elective		
POS Elective		
SOC Elective		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Students must complete a minimum of 12 credit hours of PSY courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Psychology, BS


School/College: College of Integrative Sciences and Arts


Location: Polytechnic campus


LSPGSBS


Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest</b> area and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
ASU 101-CLS: The ASU Experience	1		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACO 100: All About Data: Design, Query, and Visualization (CS) OR  CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 PSY 230: Introduction to Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>Psychology BS majors are required to take one Life Science lab course and one Physical Science lab course meeting SG or SQ requirements in addition to two required university general studies science courses.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Life Science Lab Course - Applied Biological Science, Biology, or Microbiology	4	C	
Historical Awareness (H)	3		
Complete 2 courses: Elective	4		
Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<b>Complete 2 courses:</b>			
<b>Related Area Course</b>	6	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<b>Complete 2 courses:</b>			
<b>Upper Division Social-Behavioral Sciences (SB) OR Upper Division Psychology Core</b>	6	C	<ul style="list-style-type: none"> <li>• <b>Network</b> in your career interest area.</li> <li>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.</li> <li>• Students will select Upper Division Psychology Electives courses from the track list below.</li> </ul>
CED 250: Career Development (L)	3	C	
Upper Division Psychology Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Physical Science Lab Course - Astronomy - Chemistry, Geology, or Physics	4	C	<ul style="list-style-type: none"> <li>• Psychology BS majors are required to take one Life Science lab course and one Physical Science lab course meeting an SG or SQ requirement in addition to two required university general studies science courses.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.</li> <li>• Students will select Upper Division Psychology Electives courses from the track list below.</li> </ul>
<b>Complete 2 courses:</b>			
<b>Upper Division Social-Behavioral Sciences (SB) OR Upper Division Psychology Core</b>	6	C	
Upper Division Psychology Electives	3	C	
Elective	3		
<b>Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).</b>			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<b>Complete 2 courses:</b>			<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> <li>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.</li> <li>• Students will select Upper Division Psychology Electives courses from the track list below.</li> </ul>
<b>Upper Division Psychology Electives</b>	6	C	
<b>Upper Division Social-Behavioral Sciences (SB) OR Upper Division Psychology Core</b>	3	C	
<b>Complete 2 courses:</b>			
<b>Upper Division Elective</b>	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<b>Upper Division Psychology Electives</b>	3	C	<ul style="list-style-type: none"> <li>• Students will select Upper Division Psychology Core AND Upper Division</li> </ul>
<b>Complete 2 courses:</b>			

Upper Division Social-Behavioral Sciences (SB) OR Upper Division Psychology Core	6	C
PSY 484: Internship OR Elective	3	
Term hours subtotal:	12	

Social-Behavioral Sciences (SB) Core courses from the tracks listed below.

- Students will select Upper Division Psychology Electives courses from the track list below.

Hide Course List(s)/Track Group(s)

Upper Division Psychology Electives (15 Credits)	Social Behavioral Science (SB) Core (9 Credit Hours Required)	Upper Division Psychology Core (12 Credit Hours Required)
PSY 304: Effective Thinking (L)	PSY 341: Developmental Psychology (SB)	PSY 320: Learning and Motivation
PSY 306: Environmental Psychology (SB)	PSY 350: Social Psychology (SB)	PSY 323: Sensation and Perception
PSY 315: Personality Theory and Research (SB)	PSY 366: Abnormal Psychology (SB)	PSY 324: Memory and Cognition
PSY 325: Physiological Psychology		PSY 330: Statistical Methods (CS)
PSY 369: Biology of Human Sexuality		
PSY 385: Psychology of Gender (SB)		
PSY 399: Supervised Research		
PSY 425: Biological Bases of Behavior (L)		
PSY 430: Industrial Psychology		
PSY 444: Adolescent Psychology and Psychopathology		
PSY 447: Psychology of Aging (SB)		
PSY 453: Organizational Behavior (SB)		
PSY 470: Psychopharmacology		
PSY 472: Clinical Psychology		
PSY 482: Social Influence and Consumer Behavior (SB)		
Related Area Courses (6 Credit Hours)		
ASB Elective		
COM Elective		
HSE Elective		
ISS Elective		
POS Elective		
SOC Elective		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of PSY courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Science, Technology and Society, BS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Polytechnic campus](#)

ECSTSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STS 101: Introduction to Science, Technology and Society (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Transfer students with 64 credit hours or more transferred must take STS 304 instead of STS 101.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Mathematics (MA) ( MAT 142 recommended)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STS 110: Global Technology and Development (SB & G)	3	C	<ul style="list-style-type: none"> <li>It is highly recommended that STS students take a statistics course for their (CS) general studies requirement.</li> <li>Transfer students with 64 credit hours or more transferred must take STS 317 instead of STS 110.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❗ Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Related Area Course	3	C
Complete 2 courses: Elective	6	
Term hours subtotal:	13	

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 301: Research in Science and Technology Studies (SB) OR ISS 301: Integrated Social Science Research Methods (SB) OR POS 301: Empirical Political Inquiry (SB)	3	C	<ul style="list-style-type: none"> <li>• Students must select one Upper Division Track Focus Area to complete from choices below. Please contact your advisor for further information.</li> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ STS 305: Science and Social Theory (SB)	3	C	
Complete 2 courses: Upper Division Track Focus Area Course	6	C	
Related Area Course	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 303: History of Science and Technology (H)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
STS 302: Philosophy of Science and Technology (SB)	3	C	
Complete 2 courses: Upper Division Track Focus Area Course	6	C	
Related Area Course	3	C	
Term hours subtotal:	15		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 90 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 306: Social Effects of Science and Technology (SB)	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Upper Division Track Focus Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 3 courses: Elective	9		
Complete STS 305 AND STS 306 course(s).			
Term hours subtotal:	18		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STS 484: Internship	3	C	
Upper Division Track Focus Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- Students must select one "Upper Division Track Focus Area" to complete from choices below.

Hide Course List(s)/Track Group(s)

Science, Technology and Society - Individualized Track Option #1	Science, Technology and Governance Track Option #2	Global Technology and Development Track Option #3
Students will work with the CISA Polytechnic Social Science faculty head and faculty to create a program of study specific to the student's areas of interest. Students will complete 18 credit hours of coursework in this Track.	POS 310: American National Government (SB)	STS 328: Science, Technology, and Culture (SB)
	STS 318: Science, Technology, and Government (SB)	STS 329: Technology in Developing Countries (SB & G)
	STS 325: Science, Technology, and Public Policy (SB)	STS 330: Information Technology and Globalization (SB & G)
	STS 331: Ethical Issues in Science and Technology (SB)	STS 331: Ethical Issues in Science and Technology (SB)
	STS 364: Science, Technology, and National Security (SB)	STS 332: Global Issues in Science and Technology (SB)
	STS 425: Law, Values, Science, and Technology (SB)	STS 364: Science, Technology, and National Security (SB)
<b>Related Area Courses</b> AES OR AFR OR AIS OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR HST OR ISS OR JUS OR MIS OR PHI OR POS OR PSY OR REL OR SGS OR SOC OR SOS OR TCL OR VTS OR WST Elective		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map



### Technical Communication, BS




School/College: College of Integrative Sciences and Arts





Location: Polytechnic campus



LSTECBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		
Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:	6		
Elective			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Global Awareness (G)	3		
Historical Awareness (H)	3		
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> </ul>
 TWC 401: Fundamentals of Technical Communication (L)	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TWC 421: Principles of Web Authoring (L)	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
 TWC 431: Principles of Technical Editing	3	C	
Upper Division TWC 400-level Electives	3	C	
Upper Division Related Area Course	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TWC 411: Principles of Visual Communication (L)	3	C	<ul style="list-style-type: none"> <li>TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.</li> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division TWC 400-level Electives	3	C	
TWC Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

- Apply for full-time career opportunities.

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	<ul style="list-style-type: none"> <li>• TWC Upper Division Elective: any TWC 300/400 course will fulfill this area.</li> <li>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> </ul>
Complete 2 courses:	6	C	
TWC Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Elective OR TWC 484: Internship	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

TWC 4** Electives
TWC 414: Visualizing Data and Information
TWC 422: Social Media in the Workplace
TWC 435: Global Issues in Technical Communication (G)
TWC 436: Project Management in Technical Communication
TWC 443: Grant & Proposal Writing
TWC 444: User Experience
TWC 445: Content Strategy
TWC 446: Technical and Scientific Reports (L)
TWC 451: Copyright and Intellectual Property in the Electronic Age
TWC 452: Information in the Digital Age
TWC 453: Information and Communications Technology in American History (L & H)
TWC 454: Information Technology and Culture (C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map



### Technical Communication, BS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Online, ASU Local@Los Angeles](#)



LSTECBS



Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	7		
Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

 Related Area course	3	C
Computer/Statistics/Quantitative Applications (CS)	3	
 Complete Mathematics (MA) requirement.		
Term hours subtotal:	6	



- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.



Term 4 - A 38 - 44 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 4 - B 44 - 51 Credit Hours  Critical course signified by	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		

Term 5 - A 51 - 57 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		• Build your professional connections --- join the <a href="#">ASU Mentor Network</a>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 TWC 401: Fundamentals of Technical Communication (L)	3	C	• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.
Upper Division Related area course	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 TWC 421: Principles of Web Authoring (L)	3	C	

Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

- Use Handshake to research **employment opportunities**.

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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★ TWC 431: Principles of Technical Editing

3 C

Upper Division Related area course

3 C

Term hours subtotal: 6

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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★ TWC 411: Principles of Visual Communication (L)

3 C

Upper Division Related area course

3 C

Term hours subtotal: 6

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 8 - A 87 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division TWC 400-level Electives

3 C

Elective

3

Term hours subtotal: 6

- Gather **professional references**.
- Apply for **full-time career opportunities**.

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division TWC 400-level Electives

3 C

TWC Upper Division Elective

3 C

Term hours subtotal: 6

- TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.

Term 9 - A 99 - 105 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
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★ TWC Upper Division Elective

3 C

Elective

3

Term hours subtotal: 6

- TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students

are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.

<b>Term 9 - B 105 - 111 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ TWC Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.</li> </ul>
Elective	3		
Term hours subtotal:	6		

<b>Term 10 - A 111 - 117 Credit Hours Necessary course signified by</b> ★	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
★ TWC 490: Capstone	3	C	
Elective	3		
Term hours subtotal:	6		

<b>Term 10 - B 117 - 120 Credit Hours</b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

- TWC 400-level Electives
- TWC 414: Visualizing Data and Information
- TWC 422: Social Media in the Workplace
- TWC 435: Global Issues in Technical Communication (G)
- TWC 436: Project Management in Technical Communication
- TWC 443: Grant & Proposal Writing
- TWC 444: User Experience
- TWC 445: Content Strategy
- TWC 446: Technical and Scientific Reports (L)
- TWC 451: Copyright and Intellectual Property in the Electronic Age
- TWC 452: Information in the Digital Age
- TWC 453: Information and Communications Technology in American History (L & H)
- TWC 454: Information Technology and Culture (C)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map




### Technical Communication (User Experience), BS




School/College: College of Integrative Sciences and Arts




Location: Polytechnic campus




LSTECUBS



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-CLS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Cultural Diversity in the U.S. (C)	3		
Mathematics (MA)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Concentration Elective Course	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		Minimum	

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 Concentration Elective Course	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> </ul>
 Related Area Course	3	C	
Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
 TWC 401: Fundamentals of Technical Communication (L)	3	C	
HSE 325: Human-Computer Interaction	3	C	
TWC Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TWC 411: Principles of Visual Communication (L)	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
GIT 340: Information Design and Usability	3	C	
TWC 431: Principles of Technical Editing	3	C	
TWC Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TWC 421: Principles of Web Authoring (L)	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> <li>Gather <a href="#">professional references</a>.</li> <li>Apply for <a href="#">full-time career opportunities</a></li> </ul>
 TWC 444: User Experience	3	C	
Upper Division Concentration Elective Course	3	C	
Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TWC 490: Capstone	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> </ul>
TWC 4** Elective	3	C	
Upper Division Related Area Course	3	C	
Elective OR TWC 484: Internship	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Concentration Elective Courses (9 Credits total, 3 Upper Division Credits minimum)
GIT 210: Creative Thinking and Design Visualization
GIT 402: New Media Internet Technologies
HSE 224: Applied Social Science (SB)
HSE 225: Human Systems Integration
HSE 230: Statistics for Human Systems Research I (CS)
HSE 290: Experimental Methods for Human Systems Research (L)
HSE 324: Applied Cognitive Science (SB)
HSE 390: Qualitative Research Methods (L)
HSE 428: Judgment and Decision Making
TWC 414: Visualizing Data and Information
TWC 436: Project Management in Technical Communication
TWC 445: Content Strategy

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.



**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Technical Communication (User Experience), BS

School/College: [College of Integrative Sciences and Arts](#)

Location: [Online, ASU Local@Los Angeles](#)

LSTECUBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA) ( MAT 142 recommended)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		
Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 26 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Concentration Elective Course	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		
		Minimum	

Term 3 - B 32 - 38 Credit Hours	Hours	Grade	Notes
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ Concentration Elective Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ Related Area Course	3	C	<ul style="list-style-type: none"> <li>Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.</li> </ul>
Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TWC 301: Fundamentals of Writing for Digital Media (L)	3	C	
HSE 325: Human-Computer Interaction	3	C	
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TWC 401: Fundamentals of Technical Communication (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TWC 421: Principles of Web Authoring (L)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
TWC Upper Division Elective	3	C	
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ TWC 411: Principles of Visual Communication (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
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GIT 340: Information Design and Usability	3	C	
TWC 431: Principles of Technical Editing	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	6		

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 8 - B 93 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ TWC Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Term hours subtotal:	6		

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 9 - A 99 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ TWC 444: User Experience	3	C	
Elective	3		
Term hours subtotal:	6		

- Gather **professional references**.
- Apply for **full-time career opportunities**

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Related Area Course	3	C	
Upper Division Concentration Elective Course	3	C	
Term hours subtotal:	6		

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry -

courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
TWC 4** Elective	3	C	
Elective OR TWC 484: Internship	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

- Concentration Elective Courses (9 credits total, minimum 3 upper division credits)
- GIT 210: Creative Thinking and Design Visualization
- GIT 402: New Media Internet Technologies
- HSE 230: Statistics for Human Systems Research I (CS)
- HSE 290: Experimental Methods for Human Systems Research (L)
- HSE 324: Applied Cognitive Science (SB)
- TWC 414: Visualizing Data and Information
- TWC 436: Project Management in Technical Communication
- TWC 445: Content Strategy

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum

**General University Requirements Legend**  
 General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map





### Applied Computing, BS




School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus, ASU@Lake Havasu](#)

ASACOBBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>Prerequisite MAT coursework may be required in Term 1 to prepare for MAT 210 (or higher-level MA) in Term 2. MAT 117 with a C or better serves as a prerequisite for MAT 210.</li> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101-M: The ASU New College Experience	1		
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Completion of ACO 101 and ACO 102 (with a C or better) fulfills the New College Proficiency - Language and Cultures requirement.</li> <li>MAT 210 or higher-level (MA) accepted. MAT 251 recommended.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 201: Data Structures and Algorithms (CS)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		

❖ Complete First-Year Composition requirement.

❖ Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 47 - 62 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ACO 240: Introduction to Programming Languages	3	C	• Explore an <b>internship</b> , an <b>IGLE</b> international experience, or <b>ASU study abroad</b> .
❖ STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 5 62 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACO 320: Database Systems	3	C	• IAS 300 (3 credit hours) is required for all transfer students. • Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> . • Develop your <b>professional online presence</b> .
★ ACO 330: Computer Networks	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	13		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACO 350: Systems Programming (CS)	3	C	• Use Handshake to research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
★ Upper Division Applied Computing Elective	3	C	
Upper Division Communication Elective	3	C	
Liberal Arts Elective	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Complete ACO 320 AND ACO 330 course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Applied Computing Capstone Semester 1	3	C	• Completion of ACO 320 and ACO 330 with a C or better is required to enroll in ACO 484 and ACO 499. ACO 484 and ACO 499 may not be taken concurrently, and is limited to a maximum of three credit hours per semester (six hours total in the major). Subject of study must include databases, networks or cyber-security; faculty approval required. • Gather <b>professional references</b> .
★ Upper Division Applied Computing Elective	3	C	
Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Liberal Arts Elective	3	C	
Diversity Elective	3	C	
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Applied Computing Capstone Semester 2	3	C	• Completion of ACO 320 and ACO 330 with a C or better is required to enroll in ACO 484 and



★ Upper Division Applied Computing Elective	3	C
Upper Division Liberal Arts Elective	3	C
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	15	

ACO 499. ACO 484 and ACO 499 may not be taken concurrently, and is limited to a maximum of three credit hours per semester (six hours total in the major). Subject of study must include databases, networks or cyber-security; faculty approval required.

- Apply for full-time career opportunities.

Hide Course List(s)/Track Group(s)

Upper Division Applied Computing Electives	Upper Division Applied Computing Capstone	Upper Division Communication Elective
ACO 321: Database Development & Applications	ACO 484: Internship	COM 316: Gender and Communication (SB & C)
ACO 331: Network Forensics Analysis	ACO 499: Individualized Instruction	COM 317: Nonverbal Communication (SB)
ACO 351: Governance, Risk and Compliance		COM 353: Professional Communication
ACO 361: Secure Coding Concepts		COM 371: Language, Culture, and Communication (SB & C & G)
ACO 394: Special Topics		COM 415: Risk Communication
ACO 420: Big Data Systems		COM 416: Gender and Race in the Media
ACO 421: Data Mining and Warehousing		COM 457: New Media
ACO 423: Data Science		COM 459: Theory and Methods of Social Media Networks
ACO 430: Wireless Networks		COM 471: Global Media and Cultural Identity (G)
ACO 431: Network Security		COM 477: Sport, Culture, and Discourses
ACO 432: Distributed Systems		
ACO 461: Security Operations		
ACO 494: Special Topics		
Upper Division Ethics Electives	Diversity Electives	Liberal Arts Electives
IAS 340: Bioethics (HU)	ASB 211: Women in Other Cultures ((HU or SB) & G)	AMS Elective
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	COM 263: Elements of Intercultural Communication (SB & C & G)	ASB Elective
IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)	ENG 317: Cross-Cultural Writing ((L or HU) & G)	COM Elective
IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)	POS 480: Global Justice (G) or SBS 480: Global Justice (G)	DST Elective
PHI 306: Applied Ethics (HU)	PSY 385: Psychology of Gender (SB)	ENG Elective
PHI 360: Business and Professional Ethics (HU)	REL 390: Women, Gender and Religion (HU & G) or WST 390: Women, Gender and Religion (HU & G)	ETH Elective
	SBS 301: Cultural Diversity ((L or SB) & C)	HRC Elective
	WST 220: Gender, Media and Culture (HU & C)	HST Elective
		IAP Elective
		IAS Elective
		JHR Elective
		LAS Elective

NEW Elective

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PAX Elective

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PHI Elective

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POS Elective

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PSY Elective

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REL Elective

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SBS Elective

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SOC Elective

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SPA Elective

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WST Elective

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map





### Applied Computing (Cybersecurity), BS




School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASACOCBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>Prerequisite MAT coursework may be required in Term 1 to prepare for MAT 210 (or higher-level MA) in Term 2. MAT 117 with a C or better serves as a prerequisite for MAT 210.</li> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101-M: The ASU New College Experience	1		
PSY 101: Introduction to Psychology (SB)	3	C	
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Completion of ACO 101 and ACO 102 (with a C or better) fulfills the New College Proficiency - Language and Cultures requirement.</li> <li>MAT 210 or higher-level (MA) accepted. MAT 251 recommended.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
COM 100: Introduction to Human Communication (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 201: Data Structures and Algorithms (CS)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
 MAT 243: Discrete Mathematical Structures	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

◆ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ ACO 240: Introduction to Programming Languages	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU study abroad</b>.</li> </ul>
◆ STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACO 320: Database Systems	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ ACO 330: Computer Networks	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACO 350: Systems Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
ACO 361: Secure Coding Concepts	3	C	
ACO 430: Wireless Networks	3	C	
Diversity Elective	3	C	
Elective	3		
★ Complete ACO 320 AND ACO 330 course(s).			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Applied Computing Capstone Semester 1	3	C	<ul style="list-style-type: none"> <li>Completion of ACO 320 and ACO 330 with a C or better is required to enroll in ACO 484 and ACO 499. ACO 484 and ACO 499 may not be taken concurrently, and is limited to a maximum of three credit hours per semester (six hours total in the major). Subject of study requires faculty approval.</li> <li>If planning to take ACO 402 in Term 8, ACO 401 must be taken to fulfill Upper Division Cybersecurity Elective in Term 7 (ACO 401 is a prerequisite to ACO 402).</li> </ul>
ACO 431: Network Security	3	C	
ACO 461: Security Operations	3	C	
Upper Division Communication Elective	3	C	
Upper Division Cybersecurity Elective	3	C	
Term hours subtotal:	15		

- If ACO 394 or ACO 494 is taken to meet the Upper Division Cybersecurity Elective requirement, it must be a security-related topic. See academic advisor prior to enrollment.
- Gather [professional references](#).

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Applied Computing Capstone Semester 2	3	C	<ul style="list-style-type: none"> <li>• Completion of ACO 320 and ACO 330 with a C or better is required to enroll in ACO 484 and ACO 499. ACO 484 and ACO 499 may not be taken concurrently, and is limited to a maximum of three credit hours per semester (six hours total in the major). Subject of study requires faculty approval.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
ACO 351: Governance, Risk and Compliance OR ACO 402: Privacy, Ethics and Compliance Issues	3	C	
Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Upper Division Cybersecurity Elective	Upper Division Applied Computing Capstone	Upper Division Communication Elective
ACO 331: Network Forensics Analysis	ACO 484: Internship	COM 316: Gender and Communication (SB & C)
ACO 394: Special Topics	ACO 499: Individualized Instruction	COM 317: Nonverbal Communication (SB)
ACO 401: Managing Cyber Risks in Enterprise Business Processes		COM 353: Professional Communication
ACO 494: Special Topics		COM 371: Language, Culture, and Communication (SB & C & G)
FOR 350: Computer Forensics		COM 415: Risk Communication
		COM 416: Gender and Race in the Media
		COM 457: New Media
		COM 459: Theory and Methods of Social Media Networks
		COM 471: Global Media and Cultural Identity (G)
		COM 477: Sport, Culture, and Discourses
Diversity Elective	Upper Division Ethics Elective	
ASB 211: Women in Other Cultures ((HU or SB) & G)	IAS 340: Bioethics (HU)	
COM 263: Elements of Intercultural Communication (SB & C & G)	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	
ENG 317: Cross-Cultural Writing ((L or HU) & G)	IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)	
POS 480: Global Justice (G) or SBS 480: Global Justice (G)	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)	
PSY 385: Psychology of Gender (SB)	PHI 306: Applied Ethics (HU)	

SBS 301: Cultural Diversity ((L or SB) & C)

PHI 360: Business and Professional Ethics (HU)

WST 220: Gender, Media and Culture (HU & C)

WST 390: Women, Gender and Religion (HU & G) or REL 390: Women, Gender and Religion (HU & G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map





### Applied Mathematics, BS




School/College: [New College of Interdisciplinary Arts and Sciences](#)


Location: [West campus](#)

ASMATBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101-M: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
STP 280: Probability and Statistics for Researchers (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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♦ MAT 275: Modern Differential Equations (MA)	3	C
STP 281: Statistical Analysis for Researchers	3	C
Cultural Diversity in the U.S. (C)	3	
Humanities, Arts and Design (HU)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Term hours subtotal:	16	

- Explore an internship, an IGLE international experience, or ASU study abroad.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>• Develop your professional online presence .</li> </ul>
★ MAT 343: Applied Linear Algebra	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 350: Techniques and Applications of Applied Mathematics	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
★ MAT 371: Advanced Calculus I	3	C	
★ MAT 421: Applied Computational Methods (CS)	3	C	
Complete 2 courses:			
Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 452: Introduction to Chaos and Nonlinear Dynamics	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> </ul>
Complete 2 courses:			
Upper Division Applied Math Elective	6	C	
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) OR Upper Division Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( MAT 411 recommended)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 450: Mathematical Models in Biology OR MAT 451: Mathematical Modeling (CS)	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Applied Math Elective	3	C	
Upper Division Elective OR LSC 484: Internship	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		



- Maximum of six credit hours of MAT 499 allowed. If also taking MAT 492, then only three credit hours of MAT 499 are allowed.

Hide Course List(s)/Track Group(s)

Upper Division Applied Math Electives
ACO 320: Database Systems
ACO 331: Network Forensics Analysis
ACO 420: Big Data Systems
ACO 421: Data Mining and Warehousing
ACO 422: XML and Databases
ACO 423: Data Science
LSC 388: STEM Research Fundamentals (L)
MAT 419: Introduction to Linear Optimization (CS)
MAT 429: Optimization
MAT 443: Introduction to Abstract Algebra
MAT 445: Theory of Numbers
MAT 450: Mathematical Models in Biology or MAT 451: Mathematical Modeling (CS)
MAT 461: Applied Complex Analysis
MAT 462: Applied Partial Differential Equations
MAT 472: Intermediate Real Analysis I
MAT 484: Internship
MAT 492: Honors Directed Study
MAT 499: Individualized Instruction
STP 310: Design and Analysis of Experiments
STP 311: Regression and Time Series Analyses
STP 421: Probability
STP 427: Mathematical Statistics
STP 450: Nonparametric Statistics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science, **BAS**

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASBASBAS

- Students may complete the BAS program requirements in 45-60 upper-division credit hours, determined by choice of area of concentration and number of general studies requirements completed in AAS degree.
- Working with an advisor, students will select a minor available at ASU or construct an individualized concentration with a coherent theme or purpose.

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IAS 300: Career Strategies and Personal Resilience (L or SB)	3	C	
EDT 321: Computer Literacy: Mobile Technologies and Your World (CS) OR SBS 304: Social Statistics I (CS)	3	C	
Complete 2 courses:	6		
Any needed lower division General Studies requirement OR Elective			
Term hours subtotal:	12		<ul style="list-style-type: none"> <li>• Core requirements and area of concentration courses may be used to apply toward general studies requirements, as allowed.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>

Term 6 72 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration Course	3	C	
IAS 305: Work and Identity (SB) OR COM 316: Gender and Communication (SB & C)	3	C	
Upper Division Aesthetics/Creativity AND Humanities, Arts and Design (HU)	3	C	
			<ul style="list-style-type: none"> <li>• Students should work with their academic advisor to determine any needed general studies requirements and take those in place of electives.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>

Upper Division Elective	3
Any needed lower division General Studies requirement OR Elective	3
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).	
Term hours subtotal:	15

- Develop your **research skills**.
- Develop your **professional skills**.
- Build your professional connections -- join the **ASU Mentoring Network**.
- Explore an **internship**, an **IGLE international experience**, or **ASU Study Abroad**.

Term 7 87 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses:			
Upper Division Concentration Course	6	C	
ENG 301: Writing for the Professions (L)	3	C	
Upper Division Ethics AND Upper Division Humanities, Arts and Design (HU)	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

- Thinking about graduate school? Consider registering for a grad school **test prep course**.
- Develop your **professional online presence**.
- Use Handshake to research **employment opportunities**.

Term 8 102 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 3 courses:			
Upper Division Concentration Course	9	C	
ENG 311: Persuasive Writing (L)	3	C	
IAS 480: Capstone: Practices and Approaches OR IAS 484: Internship	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	18		

- Complete an in person or virtual **practice interview**.
- Gather **professional references**.
- Apply for **full-time career opportunities**.

Hide Course List(s)/Track Group(s)

Aesthetics/Creativity	Ethics
ARS 300: Introduction to Art (HU)	IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)
IAP 301: Energetic Systems of Art: Collaboration in the Arts (HU)	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)
IAP 307: Art and War (HU & G)	IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)
IAP 464: Media and Diversity (HU & G)	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)
MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H)	IAS 410: Evolution of Ideas (L or HU)
MUS 347: Jazz in America (HU & C)	IAS 430: Science and Religion (L or HU)
MUS 349: Music in America (HU & H)	PHI 306: Applied Ethics (HU)
MUS 354: Popular Music (HU)	PHI 318: Philosophy of Religion (HU)
MUS 355: American Music (HU & C & H)	PHI 360: Business and Professional Ethics (HU)
MUS 410: History of Women in Music (HU & C & H)	PHI 408: Feminist Ethics (HU)
THE 320: History of the Theatre I (HU & H)	
THE 321: History of the Theatre II (HU & H)	

REL 401: Sacred Scriptures and Social  
Choices (HU & G)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Biology, BA





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASLSCBA




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• MAT 170 (MA) or higher-level (MA) accepted.</li> <li>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15		



Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		




Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Cognate Requirement Set A OR Cognate Requirement Set B	4	C	<ul style="list-style-type: none"> <li>• Students will complete one of two sets of Cognate coursework over two terms. Choose either Set A or B below.</li> <li>• The only students who need the two semester sequence of organic chemistry courses (CHM 233, CHM 237, CHM 234 and CHM 238) are those who plan to apply to a graduate school in a health profession. All that is required for the degree is CHM 231 and CHM 235.</li> <li>• If students select the two semester sequence of organic chemistry, then they will take</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

CHM 234 and 238 in place of elective credits in Term 4.

- Develop your **research skills**.
- Develop your **professional skills**.
- Build your professional connections -- join the **ASU Mentor Network**.

Term 4 43 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Cognate Requirement Set A OR Cognate Requirement Set B	4	C	<ul style="list-style-type: none"> <li>• Students will complete remaining option in chosen set of Cognate coursework.</li> <li>• If students plan to apply to a graduate school in a health profession and completed CHM 233 and CHM 237 in Term 3, then they should take CHM 234 and CHM 238 in Term 4 (C or better required) instead of electives.</li> <li>• Students who elected to take CHM 231 and CHM 235 in Term 3 should take four credit hours of electives in Term 4.</li> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU study abroad</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS) ( STP 226 recommended)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Elective ( CHM 234 recommended)	3		
Elective ( CHM 238 recommended)	1		
 Complete CHM 113 and CHM 116 course(s).			
Term hours subtotal:	17		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 LSC 347: Fundamentals of Genetics	3	C	<ul style="list-style-type: none"> <li>• Upper Division Biology Electives limited to course list or BIO, ENV, LSC, MIC, PLB or PTX courses with BIO 182 as a prerequisite. Up to three credit hours of LSC 388, LSC 484, LSC/BIO 493, LSC/BIO 499 and BIO 495 may be applied to the requirement. Seek academic advising prior to enrollment.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Biology Electives	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 353: Cell Biology	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
BIO 320: Fundamentals of Ecology	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i>			
Upper Division Biology Electives	6	C	<ul style="list-style-type: none"> <li>Upper Division Biology Electives limited to course list or BIO, ENV, LSC, MIC, PLB or PTX courses with BIO 182 as a prerequisite. Up to three credit hours of LSC 388, LSC 484, LSC/BIO 493, LSC/BIO 499 and BIO 495 may be applied to the requirement. Seek academic advising prior to enrollment.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Global Awareness (G)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i>			
Upper Division Biology Electives	6	C	<ul style="list-style-type: none"> <li>Upper Division Biology Electives limited to course list or BIO, ENV, LSC, MIC, PLB or PTX courses with BIO 182 as a prerequisite. Up to three credit hours of LSC 388, LSC 484, LSC/BIO 493, LSC/BIO 499 and BIO 495 may be applied to the requirement. Seek academic advising prior to enrollment.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Upper Division Biology Elective Courses	Cognate Requirement Set A	Cognate Requirement Set B
BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
BIO 345: Evolution	PHY 101: Introduction to Physics (SQ)	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)
BCH Upper Division Elective		
BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory		
BIO 370: Vertebrate Zoology		
BIO 385: Comparative Invertebrate Zoology		
BIO 443: Applied Molecular Genetics and Genomics		
BIO 474: Herpetology		
BIO 495: Undergraduate Research		
BIO Upper Division Elective		
ENV 394: Animal Behavior in a Changing Environment or LSC 394: Animal Behavior in a Changing Environment		



ENV Upper Division Elective

LSC 363: Genes, Race, Gender, and Society  
(L)

LSC 369: Biology of Human Sexuality

LSC 388: STEM Research Fundamentals (L)

LSC 434: Marine Ecology

LSC 484: Internship

LSC 493: Honors Thesis (L) or BIO 493:  
Honors Thesis (L)

LSC 499: Individualized Instruction or BIO  
499: Individualized Instruction

LSC Upper Division Elective

MIC 443: The Microbial Universe AND MIC  
444: The Microbial Universe Laboratory

MIC Upper Division Elective

PLB 300: Plant Diversity and Evolution (L or  
SG)

PLB 310: The Flora of Arizona

PLB Upper Division Elective

PTX Upper Division Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Biology, BS

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu

ASLSCBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• MAT 210 or higher-level (MA) accepted. MAT 251 (MA) recommended. Students considering research or graduate/medical/professional school may consider the MAT 270 and MAT 271 calculus sequence as an alternative (this may require more than 120 credits to complete degree).</li> <li>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Students taking MAT 270 AND MAT 271 in place of MAT 210 still must complete a Statistics course. Students wishing to take STP 226 can take MAT 271 in place of STP 226 in Term 2, and then take STP 226 in a later term.</li> <li>• Students considering medical school, graduate school, or research are encouraged to enroll in STP 280 (and 281 the following semester) in place of STP 226 so that they have a full year of statistics. Note that MAT 270 and 271 are pre-requisites for STP 280 and 281 respectively. This may require more than 120 hours to complete the degree.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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⚠️ PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB)	3	
⚠️ Complete First-Year Composition requirement.		
⚠️ Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Develop your **research skills**.
- Develop your **professional skills**.
- Build your professional connections -- join the **ASU Mentor Network**.

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠️	Hours	Minimum Grade	Notes
⚠️ PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	• Explore an <b>internship</b> , an <b>IGLE international experience</b> , or <b>ASU Study Abroad</b> .
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Elective	2		
⚠️ Complete CHM 113, CHM 116 course(s).			
Term hours subtotal:	16		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	• See note below regarding Upper Division Related Area Elective requirements. • IAS 300 (3 credit hours) is required for all transfer students. • Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> . • Develop your <b>professional online presence</b> .
Upper Division Related Area Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:			

Term 6 76 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory	4	C	• Use Handshake to research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
★ BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

	Minimum
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Term 7 90 - 106 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Distribution Course	4	C	<ul style="list-style-type: none"> <li>Students must select a minimum of one lecture or lecture/lab combined course from each one of the three distribution areas: Cellular, Molecular, and Physiological Biology; Integrative Systems Ecology; Organismal Biology.</li> <li>See note below regarding Upper Division Related Area Elective requirement.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Related Area Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) ( ASB 353 OR SOC 353 recommended)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Distribution Course	8	C	<ul style="list-style-type: none"> <li>Students must select a minimum of one lecture or lecture/lab combined course from each one of the three distribution areas: Cellular, Molecular, and Physiological Biology; Integrative Systems Ecology; Organismal Biology.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Term hours subtotal:	14		

- Students must select a minimum of one lecture or lecture/lab combined course from each of the three Biology Distribution Areas: Cellular, Molecular and Physiological Biology; Integrative Systems Ecology; and Organismal Biology.
  - Upper Division Related Area Electives limited to courses designated for Biology (or related) majors in BCH, BIO, ENV, LSC, MIC, PLB or PTX courses with BIO 182 as a prerequisite. Courses taken that do not require BIO 182 as a prerequisite will be used towards General University Elective requirements. Not from BIO 305, 310, 311, 312, 365, 394, 494 or LSC 365. Up to three credit hours of LSC 388, LSC 484, LSC/BIO 493, LSC/BIO 499 and BIO 495 may be applied to this requirement.

Hide Course List(s)/Track Group(s)

Cellular, Molecular and Physiological Biology Distribution Course List	Integrative Systems Ecology Distribution Course List	Organismal Biology Distribution Course List
BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	BIO 345: Evolution	BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory
BIO 431: Genes, Development, and Evolution (L)	BIO 422: Ecosystem Ecology	BIO 370: Vertebrate Zoology
BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory	ENV 410: Soil Science	BIO 385: Comparative Invertebrate Zoology
PTX 301: Basics of Pharmacology and Toxicology	LSC 362: The Human Environment	BIO 474: Herpetology
	LSC 434: Marine Ecology	ENV 394: Animal Behavior in a Changing Environment or LSC 394: Animal Behavior in a Changing Environment
	PLB 300: Plant Diversity and Evolution (L or SG)	MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory
		PLB 302: Plants and Civilization (L)

PTX 432: Fundamentals of Pharmacology or  
LSC 432: Fundamentals of Pharmacology

PLB 308: Plant Physiology

PLB 310: The Flora of Arizona

Upper Division Related Area Electives

BCH Upper Division Elective

BIO Upper Division Elective

ENV Upper Division Elective

LSC Upper Division Elective

PLB Upper Division Elective

PTX Upper Division Elective

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Biology (Pharmacology/Toxicology), BS

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASLSCPBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• MAT 210 or higher-level (MA) accepted. MAT 251 recommended. Students considering graduate school or research may consider the MAT 270 and MAT 271 calculus sequence as an alternative. This may require more than 120 credit hours to complete the degree.</li> <li>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Students can take MAT 271 in Term 2 and STP 226 in a later term.</li> <li>• Students considering medical school, graduate school, or research are encouraged to enroll in STP 280 (and 281 the following semester) in place of STP 226 so that they have a full year of statistics. Note that MAT 270 and 271 are pre-requisites for STP 280 and 281, respectively. This may require more than 120 hours to complete the degree.</li> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
BIO 201: Human Anatomy and Physiology I (SG)	4	C	

CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C
Literacy and Critical Inquiry (L)	3	
🚩 Complete CHM 113, CHM 116 course(s).		
🚩 Complete First-Year Composition requirement.		
🚩 Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

Term 4 45 - 60 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>Explore an internship, an IGLE international experience, or ASU study abroad.</li> </ul>
BIO 202: Human Anatomy and Physiology II (SG)	4	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 5 60 - 76 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>Develop your professional online presence.</li> </ul>
LSC 362: The Human Environment	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory	4	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 90 - 104 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	4	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> </ul>
⭐ PTX 432: Fundamentals of Pharmacology OR LSC 432: Fundamentals of Pharmacology	3	C	
MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following:			
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition			



to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Term hours subtotal: 14

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PTX 475: Principles of Toxicology OR LSC 475: Principles of Toxicology	3		• Apply for full-time career opportunities.
BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) ( ASB 353 OR SOC 353 recommended)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Biotechnology and Bioenterprise, BS



School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASBITEBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• MAT 210 or higher-level MA accepted. MAT and STP requirements differ according to Focus Area selection: (1) Biotechnology: MAT 210 or higher-level (MA), STP 226. (2) Bioentrepreneurship: MAT 210 or higher-level (MA), STP 226. (3) Biostatistics: MAT 270, MAT 271, STP 280, STP 281.</li> <li>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>• Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> <li>• Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15-16		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Focus Area determines STP course in Term 2: for Biotechnology or Bioentrepreneurship Focus Area, complete STP 226; for Biostatistics Focus Area, complete STP 280.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 226: Elements of Statistics (CS) OR STP 280: Probability and Statistics for Researchers (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	<ul style="list-style-type: none"> <li>• General Electives credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> </ul>
LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		

Elective 3

◆ Complete CHM 113 AND CHM 116 course(s).

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

- Build your professional connections -- join the [ASU Mentor Network](#).

Term 4 43 - 61 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ Focus Area Course	4-3	C	<ul style="list-style-type: none"> <li>• Students choosing the Bioentrepreneurship Focus Area should complete TMC 110 as their first Focus Area course.</li> <li>• Explore an <a href="#">internship</a>, an <a href="#">IGLE international experience</a>, or <a href="#">ASU Study Abroad</a>.</li> </ul>
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
PHY 101: Introduction to Physics (SQ)	4	C	
TEM 230: Creativity and Business Innovation	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	18-17		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	<ul style="list-style-type: none"> <li>• General Electives credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	15		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Focus Area Course	4-3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• General Electives credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16-15		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory	4	C	<ul style="list-style-type: none"> <li>• Students in the Biostatistics Focus Area and the Bioentrepreneurship Focus Area complete a Focus Area course in this term.</li> <li>• General Electives credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.</li> <li>• Gather <a href="#">professional references</a>.</li> </ul>
Focus Area Course	0-3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			

Upper Division Elective

6

Term hours subtotal: 13-16

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LSC 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Students in the Bioentrepreneurship Focus Area complete a Focus Area course in this term.</li> <li>• General Electives credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
Focus Area Course	0-3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6-5		
Term hours subtotal:	15-17		

- Students select one Focus Area and complete all courses listed for that Focus Area. General Elective credit hours will be adjusted depending on chosen Focus Area. Please consult your advisor.

Hide Course List(s)/Track Group(s)

Biostatistics Focus Area	Biotechnology Focus Area	Bioentrepreneurship Focus Area
MAT 271: Calculus with Analytic Geometry II (MA)	BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	TMC 110: Understanding the Enterprise
STP 281: Statistical Analysis for Researchers	BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory	TMC 310: Promotion of the Enterprise
STP 310: Design and Analysis of Experiments		TMC 320: Funding the Enterprise
		TMC 330: Leading the Enterprise

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Communication, BA



School/College: New College of Interdisciplinary Arts and Sciences



Location: West campus, ASU@Lake Havasu




ASCOMMBA

Term 1 0 - 16 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101-S: The ASU New College Experience	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
⚠ COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM Elective	3	C	<ul style="list-style-type: none"> <li>• Communication (COM) Electives: 24 credit hours with a C or better; 18 credit hours must be upper-division. A maximum of six credit hours of COM experiential courses (COM 294, COM 314, COM 382, COM 383, COM 483, COM 484, COM 499) may be taken toward the 24 hour COM Elective requirements. No more than six credit hours of COM 498 may be used to meet major requirements.</li> <li>• Explore an <a href="#">internship</a>, an <a href="#">IGLE international experience</a>, or <a href="#">ASU Study Abroad</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Complete 3 courses:			
Elective	9		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
COM 308: Advanced Research Methods in Communication (L)  OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Communication (COM) Electives: 24 credit hours with a C or better; 18 credit hours must be upper-division. A maximum of six credit hours of COM experiential courses (COM 294, COM 314, COM 382, COM 383, COM 483, COM 484, COM 499) may be taken toward the 24 hour COM Elective requirements. No more than six credit hours of COM 498 may be used to meet major requirements.</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
Complete 2 courses:			
COM Upper Division Elective	6	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	<ul style="list-style-type: none"> <li>• Communication (COM) Electives: 24 credit hours with a C or better; 18 credit hours must be upper-division. A maximum of six credit hours of COM experiential courses (COM 294, COM 314, COM 382, COM 383, COM 483, COM 484, COM 499) may be taken toward the 24 hour COM Elective requirements. No more than six credit hours of COM 498 may be used to meet major requirements.</li> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
COM Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

		Minimum	
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Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
★ <i>Complete 2 courses:</i> <b>COM Upper Division Elective</b>	6	C	<ul style="list-style-type: none"> <li>• Communication (COM) Electives: 24 credit hours with a C or better; 18 credit hours must be upper-division. A maximum of six credit hours of COM experiential courses (COM 294, COM 314, COM 382, COM 383, COM 483, COM 484, COM 499) may be taken toward the 24 hour COM Elective requirements. No more than six credit hours of COM 498 may be used to meet major requirements.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
<i>Complete 2 courses:</i> <b>Elective</b>	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> <b>COM Upper Division Elective</b>	6	C	<ul style="list-style-type: none"> <li>• Communication (COM) Electives: 24 credit hours with a C or better; 18 credit hours must be upper-division. A maximum of six credit hours of COM experiential courses (COM 294, COM 314, COM 382, COM 383, COM 483, COM 484, COM 499) may be taken toward the 24 hour COM Elective requirements. No more than six credit hours of COM 498 may be used to meet major requirements.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
<i>Complete 2 courses:</i> <b>Upper Division Elective</b>	6		
Term hours subtotal:	12		

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Communication, BS



School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus, ASU@Lake Havasu](#)

ASCOMMBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>• Student should consult an advisor on (MA) course selection to ensure pre-requisites for selected Statistics/Research requirement are met.</li> <li>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101-S: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Mathematics (MA)	3	C	
Elective	2		
Term hours subtotal:	15		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>• Student should select PSY 101 to meet (SB) requirement if interested in taking PSY 230 to satisfy 3 credit hours of Statistics/Research requirement.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) ( PSY 101 recommended)	3		

📌 Complete First-Year Composition requirement.

📌 Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 📌	Hours	Minimum Grade	Notes
📌 PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	<ul style="list-style-type: none"> <li>Communication (COM) Electives: 24 credit hours with a C or better; 18 credit hours must be upper division. A maximum of six credit hours of COM experiential courses (COM 294, COM 314, COM 382, COM 383, COM 483, COM 484, COM 499) may be taken toward the 24 hour COM Elective requirements. No more than six credit hours of COM 498 may be used to meet major requirements.</li> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ PSY 330: Statistical Methods (CS) OR SBS 304: Social Statistics I (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
Complete 2 courses:	6	C	
COM Elective			
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	<ul style="list-style-type: none"> <li>Communication (COM) Electives: 24 credit hours with a C or better; 18 credit hours must be upper division. A maximum of six credit hours of COM experiential courses (COM 294, COM 314, COM 382, COM 383, COM 483, COM 484, COM 499) may be taken toward the 24 hour COM Elective requirements. No more than six credit hours of COM 498 may be used to meet major requirements.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:	6	C	
COM Upper Division Elective			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses: COM Upper Division Elective	6	C
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.		
Upper Division Elective	3	C
Elective	3	
Term hours subtotal:	15	

- Communication (COM) Electives: 24 credit hours with a C or better; 18 credit hours must be upper division. A maximum of six credit hours of COM experiential courses (COM 294, COM 314, COM 382, COM 383, COM 483, COM 484, COM 499) may be taken toward the 24 hour COM Elective requirements. No more than six credit hours of COM 498 may be used to meet major requirements.
- Gather **professional references**.

★ Term 8 105 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ Complete 2 courses: COM Upper Division Elective	6	C
Upper Division Elective OR COM 484: Internship	3	
Complete 2 courses: Elective	6	
Term hours subtotal:	15	

- Communication (COM) Electives: 24 credit hours with a C or better; 18 credit hours must be upper division. A maximum of six credit hours of COM experiential courses (COM 294, COM 314, COM 382, COM 383, COM 483, COM 484, COM 499) may be taken toward the 24 hour COM Elective requirements. No more than six credit hours of COM 498 may be used to meet major requirements.
- Apply for **full-time career opportunities**.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
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**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Computational Forensics, BS

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASCPFBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>Select your <b>career interest</b> area and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FOR 105: Physical Evidence and the Crime Scene (SQ)	4	C	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15		
Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Completion of ACO 101 and ACO 102 (with a C or better) fulfills the New College Proficiency - Language and Cultures Requirement.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FOR 106: Biology Behind the Crime Scene (SQ)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
ACO 131: Global Cybersecurity (G)	3	C	
ACO 201: Data Structures and Algorithms (CS)	3	C	
STP 280: Probability and Statistics for Researchers (CS)	3	C	
Literacy and Critical Inquiry (L)	3		
 Complete First-Year Composition requirement. Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

📌 MAT 275: Modern Differential Equations (MA)	3	C
ACO 240: Introduction to Programming Languages	3	C
MAT 243: Discrete Mathematical Structures OR MAT 300: Mathematical Structures (L)	3	C
STP 281: Statistical Analysis for Researchers	3	C
Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	15	

- Explore an internship, ASU study abroad, or an IGLE international experience.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACO 320: Database Systems	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>• Thinking about graduate school? Consider registering for a graduate test prep course.</li> <li>• Develop your professional online presence.</li> </ul>
MAT 343: Applied Linear Algebra	3	C	
STP 310: Design and Analysis of Experiments	3	C	
STP 311: Regression and Time Series Analyses	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 350: Techniques and Applications of Applied Mathematics	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
STP 450: Nonparametric Statistics	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACO 423: Data Science	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> </ul>
Complete 2 courses: Upper Division Computational Forensics Elective	6-8	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15-17		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FOR 350: Computer Forensics	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> </ul>
Complete 2 courses: Computational Forensics Elective	6-8	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15-17		



Hide Course List(s)/Track Group(s)

Computational Forensics Elective	Upper Division Computational Forensics Elective
ACO 321: Database Development & Applications	ACO 321: Database Development & Applications
ACO 420: Big Data Systems	ACO 420: Big Data Systems
BIO 181: General Biology I (SQ)	FOR 402: Forensic Biology
BIO 182: General Biology II (SG)	LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory
CHM 113: General Chemistry I (SQ)	MAT 421: Applied Computational Methods (CS)
CHM 116: General Chemistry II (SQ)	MAT 450: Mathematical Models in Biology
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	MAT 452: Introduction to Chaos and Nonlinear Dynamics
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	
FOR 286: Principles of Forensic Science	
FOR 402: Forensic Biology	
LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	
MAT 421: Applied Computational Methods (CS)	
MAT 450: Mathematical Models in Biology	
MAT 452: Introduction to Chaos and Nonlinear Dynamics	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Conflict Resolution, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASCNRBA

Term 1 0 - 13 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H or NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-H or NEW 101-S.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101-S: The ASU New College Experience OR NEW 101-H: The ASU New College Experience	1		
Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3	C	
Literacy and Critical Inquiry (L)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Elective	3		
⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ COM 222: Argumentation (L) OR COM 230: Small Group Communication (SB) OR COM 263: Elements of Intercultural Communication (SB & C & G)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Historical Awareness (H)	3	C	
Humanities, Arts and Design (HU)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Elective	3		
⚠ Complete First-Year Composition requirement.			

🚩 Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 PAX 230: Introduction to Peace Studies (G) OR JHR 100: Introduction to Social Justice and Human Rights (SB & G)	3	C	<ul style="list-style-type: none"> <li>Explore an internship, an IGLE international experience, or ASU Study Abroad.</li> </ul>
Humanities, Arts and Design (HU)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:		15	

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ COM 312: Communication, Conflict, and Negotiation	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>Develop your professional online presence.</li> <li>Conflict Resolution Focus Area: students select three of the four focus areas below and complete nine credits hours in each, for 27 total credit hours.</li> </ul>
⭐ Complete 2 courses:	6	C	
Upper Division Conflict Resolution Focus Area Course			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3	C	
Term hours subtotal:		15	

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ Complete 2 courses:	6	C	<ul style="list-style-type: none"> <li>Conflict Resolution Focus Area: students select three of the four focus areas below and complete nine credits hours in each, for 27 total credit hours.</li> <li>Use Handshake to research employment opportunities.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
Upper Division Conflict Resolution Focus Area Course			
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:	6		
Elective			
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ Complete 3 courses:	9	C	<ul style="list-style-type: none"> <li>Conflict Resolution Focus Area: students select three of the four focus areas below and complete nine credits hours in each, for 27 total credit hours.</li> <li>Conflict Resolution Program Elective: choose six credit hours from any focus</li> </ul>
Upper Division Conflict Resolution Focus Area Course			
Conflict Resolution Program Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies	3	C	

requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

area, or three credit hours from any focus area plus three credit hours from COM 484, COM 493 or COM 499.

Term hours subtotal: 15

- Gather **professional references**.

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i>			
Upper Division Conflict Resolution Focus Area Course	6	C	<ul style="list-style-type: none"> <li>• Conflict Resolution Focus Area: students select three of the four focus areas below and complete nine credits hours in each, for 27 total credit hours.</li> <li>• Conflict Resolution Program Elective: choose six credit hours from any focus area, or three credit hours from any focus area plus three credit hours from COM 484, COM 493 or COM 499.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
Conflict Resolution Program Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

- Upper Division Conflict Resolution Focus Area: students select three of the four focus areas below and complete nine credits hours in each, for 27 total credit hours. Substitutions are allowed with faculty approval, including COM 394 or 494 Special Topics courses.

Hide Course List(s)/Track Group(s)

Relational/Interpersonal Conflict	Work and Organizational Conflict	Global/Intercultural Conflict
COM 310: Relational Communication (SB)	COM 414: Crisis Communication	COM 316: Gender and Communication (SB & C)
COM 319: Persuasion and Social Influence (SB)	COM 415: Risk Communication	COM 342: Oral History and Storytelling
COM 342: Oral History and Storytelling	COM 423: Facilitating Collaboration and Dialogue	COM 371: Language, Culture, and Communication (SB & C & G)
COM 411: Communication in the Family (SB)	COM 430: Leadership in Group Communication	COM 416: Gender and Race in the Media
COM 417: Communication and Aging	COM 451: Communication and Work Relationships	COM 463: Intercultural Communication in a Global Context (SB & G)
COM 423: Facilitating Collaboration and Dialogue		POS 480: Global Justice (G) or SBS 480: Global Justice (G)
COM 432: Forgiveness and Reconciliation		SOC 445: Globalization, Development, and Resistance (SB & G)
Conflict in Political and Social Systems	Conflict Resolution Program Elective	
AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)	COM 484: Internship	
	COM 493: Honors Thesis (L)	
	COM 499: Individualized Instruction	
COM 319: Persuasion and Social Influence (SB)		
COM 421: Rhetoric of Social Issues (HU)		

COM 422: Advanced Argumentation (L)

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ENG 456: Studies in Forensic Linguistics or  
PAX 456: Studies in Forensic Linguistics or  
SBS 456: Studies in Forensic Linguistics

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HST 355: Total War and the Crisis of  
Modernity (SB & G & H)

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HST 454: History of Genocide (G & H)

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POS 470: Law and the Political Order (SB)

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SOC 352: Social Change (SB & G & H)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Disability Studies, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASDISASBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DST 101: Introduction to Disability Studies	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:			
Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	
 HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Grade	Notes
🚩 Global Awareness (G)	3		<ul style="list-style-type: none"> <li>Explore an internship, an IGLE international experience or ASU Study Abroad.</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Develop your professional online presence.</li> </ul>
★ Complete 2 courses: Upper Division Disability Studies Electives	6	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ DST 322: Social and Cultural Implications of the Many Forms of Disability OR DST 458: Disability and Communication Advocacy	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
★ Complete 2 courses: Upper Division Disability Studies Electives	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Disability Studies Electives	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		



Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HRC 480: Capstone: Practices and Approaches (L) OR IAS 484: Internship	3	C	
★ Complete 2 courses:			
Upper Division Disability Studies Electives	6	C	
Elective	3		
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Upper Division Disability Studies Electives

AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)

AMS 469: Abject Bodies and the Politics of Trash (SB & C) or ETH 469: Abject Bodies and the Politics of Trash (SB & C) or WST 469: Abject Bodies and the Politics of Trash (SB & C)

ASB 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB)

BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)

COM 421: Rhetoric of Social Issues (HU)

DST 322: Social and Cultural Implications of the Many Forms of Disability or DST 458: Disability and Communication Advocacy

ENG 469: Science and Literature

HRC 494: Veterans and Critical Disability Studies

IAP 464: Media and Diversity (HU & G)

IAP 494: Accessibility in Digital Arts and Design

IAP 494: Disability and Aesthetics

JUS 301: Research in Justice Studies (SB)

JUS 437: The Social Construction of Disability and Justice

JUS 494: Policy, Advocacy and Disability

SOC 352: Social Change (SB & G & H)

SOC 400: Perspectives on Aging (SB)

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SOC 426: Social Inequality (SB)

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WST 444: Gender, Health, and Bodies (SB)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### English, BA




School/College: [New College of Interdisciplinary Arts and Sciences](#)



Location: [West campus](#)



ASENGBA




Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		


Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
ENG Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> ENG Elective	6	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> English Distribution Course	6	C	<ul style="list-style-type: none"> <li>• Distribution Course: Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper-division. No course can count for more than two distribution clusters.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: <b>Career Strategies and Personal Resilience (L or SB)</b>	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> English Distribution Course	6	C	<ul style="list-style-type: none"> <li>• Distribution Course: Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper-division. No course can count for more than two distribution clusters.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
<i>Complete 2 courses:</i> Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> Upper Division English Distribution Course	6	C	<ul style="list-style-type: none"> <li>• Distribution Course: Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper-division. No course can count for more than two distribution clusters.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR IAS 484: <b>Internship</b>	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <i>Necessary course signified by</i> ★	Hours	Grade	Notes
★ <i>Complete 2 courses:</i> Upper Division English Distribution Course	6	C	<ul style="list-style-type: none"> <li>• Distribution Course: Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper-division. No course can count for more than two distribution clusters.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
<i>Complete 3 courses:</i> Upper Division Elective	9		
Term hours subtotal:	15		

- Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper-division. No course can count for more than two distribution clusters.

Hide Course List(s)/Track Group(s)

Writing, Power, Change	Climate, Energy, Infrastructure	Borders, Boundaries, Citizenship
ENG 205: Introduction to Writing, Rhetorics and Literacies (L)	ENG 245: Popular Culture Issues	ENG 221: Survey of English Literature (HU)
ENG 213: Introduction to the Study of Language	ENG 324: Horror: Film and Short Stories	ENG 222: Survey of English Literature (HU & H)
ENG 217: Writing Reflective Essays (L)	ENG 342: 20th-Century British and Irish Literature (HU)	ENG 241: Literatures of the United States to 1860 ((L or HU) & C)
ENG 241: Literatures of the United States to 1860 ((L or HU) & C)	ENG 367: Environmental Issues in Literature and Film (L or HU)	ENG 242: Literatures of the United States, 1860 to Present (HU)
ENG 288: Beginning Creative Writing Workshop in Fiction	ENG 369: Science Fiction Studies	ENG 328: The Novel to Jane Austen (HU & H)
ENG 311: Persuasive Writing (L)	ENG 378: Environmental Creative Nonfiction (L or HU)	ENG 333: American Ethnic Literature
ENG 317: Cross-Cultural Writing ((L or HU) & G)	ENG 415: Studies in Medieval Literature and Culture (HU)	ENG 334: The American Southwest in Literature and Film ((L or HU) & C)
ENG 323: Rhetoric and Grammar (L)	ENG 416: Chaucer in Middle English (HU)	ENG 342: 20th-Century British and Irish Literature (HU)
ENG 339: Creating Dramatic Works: Page to Stage to Screen	ENG 498: Reading Englands Literary Landscapes (L)	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
ENG 352: Short Story (L or HU)		ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)		ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)		ENG 379: Travel Writing (L)
ENG 361: Scriptwriting		ENG 386: American Gothic
ENG 379: Travel Writing (L)		ENG 394: Oral History & Storytelling in Humanities & Arts
ENG 394: Print and the Protest		ENG 420: Multicultural Autobiographies ((L or HU) & C)
ENG 410: Writing for Publication		
ENG 416: Chaucer in Middle English (HU)		

ENG 425: Studies in Romanticism (HU)

ENG 437: The American Novel, 1900 - 1960  
(L or HU)

ENG 440: Studies in American Literature and  
Culture

ENG 472: Rhetorical Studies (L)

ENG 494: Canyon Voices

Bodies, Intersections, Transitions

ENG 203: Introduction to Health Humanities

ENG 324: Horror: Film and Short Stories

ENG 323: Rhetoric and Grammar (L)

ENG 333: American Ethnic Literature

ENG 369: Science Fiction Studies

ENG 421: Studies in Shakespeare (L or HU)

ENG 431: Whitman and Dickinson (L or HU)

ENG 443: Gender, Culture and Literacy

ENG 454: Gender and Literature (L or HU)

ENG 461: Studies in Women and Literature

ENG 472: Rhetorical Studies (L)

ENG 476: Studies in Folklore

ENG 478: Studies in Modernism

ENG 494: Disrupting Dis/Ability Discourses

ENG 494: Weird Fiction: Films and Short  
Stories

ENG 432: The American Renaissance (HU)

ENG 457: Studies in American Poetry (HU)

ENG 462: Africana Literature (HU & G)

ENG 498: Reading Englands Literary  
Landscapes (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total College Residency Hrs:** 12 minimum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### English (Secondary Education), BA



School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASENGSEBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.</li> <li>By the end of Term 6, a minimum 2.50 cumulative GPA is required in order to progress into the Professional Pathways Education Program.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) (SPE 222 recommended)	3		
Term hours subtotal:	14		

Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS) (CIS 105 OR EDT 180 OR EDT 321 recommended)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3		
Elective	2		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	15		

Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Complete 2 courses: ENG Elective	6	C	
Global Awareness (G)	3		



Elective ( TEL 212 OR TEL 203 recommended) 3

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 44 - 59 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ Literature & Culture, Pre-1860	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU study abroad</b>.</li> </ul>
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Complete 2 courses: ENG Elective	6	C	
Humanities, Arts and Design (HU) ( TEL 208 recommended)	3		
Term hours subtotal:	15		

Term 5 59 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Identities, Communities, & Social Practices	3	C	<ul style="list-style-type: none"> <li>Apply for an identify verified print (IVP) <b>fingerprint clearance card</b>. Your IVP fingerprint card will be needed for internship/student teaching residency requirements in Term 7 and 8.</li> <li>An ENG upper-division special topics course will satisfy the Identities, Communities, and Social Practices requirement if the course topic focuses explicitly upon issues of identities, communities, and social practice. Please see your academic advisor before enrollment.</li> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: ENG Upper Division Elective	6	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Literature and Culture, Post-1860	3	C	<ul style="list-style-type: none"> <li>Meet with a Mary Lou Fulton Teachers College advisor early in the semester to discuss education program requirements and submit a copy of your IVP fingerprint card. Once this is completed, you will be asked to attend a professional pathways program orientation. These steps must be completed before enrolling in Term 7 courses.</li> <li>An ENG upper-division special topics course will satisfy the Transnational, Linguistic, &amp; Textual Circulation requirement if the course topic focuses explicitly upon issues of transnationalism &amp; textual circulation. Please see your academic advisor before enrollment.</li> </ul>
★ Theories and Practices of Writing	3	C	
★ Transnational, Linguistic, & Textual Circulation	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

★ Milestone: Must attend Professional Pathways Orientation prior to enrollment in Term 7 courses.

★ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

- Use Handshake to research **employment opportunities**.
- Complete an in person or virtual **practice interview**.

Term 7 89 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.</li> <li>• During your clinical experience internship, you will work alongside a lead teacher in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in Terms 7 and 8.</li> <li>• Gather <b>professional references</b>.</li> </ul>
★ ENG 482: Methods of Teaching English: Language (L)	3	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>• Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.</li> <li>• Students seeking teacher certification must pass required <b>educator exams</b>. Speak to your education advisor to plan appropriately.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

- Students must complete two of the courses in the tracks at the 400-level.

Hide Course List(s)/Track Group(s)

Identities, Communities, & Social Practices	Literature & Culture, Pre-1860	Literature & Culture, Post-1860
ENG 312: English in its Social Setting (L or HU or SB)	ENG 221: Survey of English Literature (HU)	ENG 222: Survey of English Literature (HU & H)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ENG 241: Literatures of the United States to 1860 ((L or HU) & C)	ENG 242: Literatures of the United States, 1860 to Present (HU)
ENG 400: History of Literary Criticism (L or HU)	ENG 315: Medieval Literature in Translation	ENG 334: The American Southwest in Literature and Film ((L or HU) & C)
ENG 401: Topics in Critical Theory	ENG 321: Shakespeare (L or HU)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
ENG 420: Multicultural Autobiographies ((L or HU) & C)	ENG 328: The Novel to Jane Austen (HU & H)	ENG 369: Science Fiction Studies
ENG 440: Studies in American Literature and Culture	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ENG 386: American Gothic
	ENG 415: Studies in Medieval Literature and Culture (HU)	ENG 431: Whitman and Dickinson (L or HU)

ENG 454: Gender and Literature (L or HU)	ENG 416: Chaucer in Middle English (HU)	ENG 437: The American Novel, 1900 - 1960 (L or HU)
ENG 456: Studies in Forensic Linguistics	ENG 421: Studies in Shakespeare (L or HU)	ENG 438: American Novel Since 1960 (L or HU)
ENG 460: Ethnic Women Writers	ENG 423: Renaissance Drama (L or HU)	ENG 440: Studies in American Literature and Culture
ENG 461: Studies in Women and Literature	ENG 425: Studies in Romanticism (HU)	ENG 450: The British Novel (HU)
ENG 462: Africana Literature (HU & G)	ENG 432: The American Renaissance (HU)	ENG 471: Literature for Young Adults (HU)
ENG 463: African American Literature	ENG 440: Studies in American Literature and Culture	ENG 478: Studies in Modernism
ENG 472: Rhetorical Studies (L)		ENG 479: Studies in Postmodernism (HU & G)
ENG 479: Studies in Postmodernism (HU & G)		
<b>Theories and Practices of Writing</b>	<b>Transnational, Linguistic, &amp; Textual Circulation</b>	
ENG 205: Introduction to Writing, Rhetorics and Literacies (L)	ENG 213: Introduction to the Study of Language	
ENG 311: Persuasive Writing (L)	ENG 317: Cross-Cultural Writing ((L or HU) & G)	
ENG 323: Rhetoric and Grammar (L)	ENG 333: American Ethnic Literature	
ENG 335: American Poetry	ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	
ENG 361: Scriptwriting	ENG 379: Travel Writing (L)	
ENG 379: Travel Writing (L)	ENG 413: History of English Language (HU)	
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice	ENG 462: Africana Literature (HU & G)	
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice	ENG 498: Reading Englands Literary Landscapes (L)	
ENG 410: Writing for Publication	NEW 300: International Cities	
ENG 457: Studies in American Poetry (HU)		
ENG 490: Literary Forms: Theory and Practice in Poetry		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Environmental Science, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu

ASENVBA

Term 1 0 - 15 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>IAS 300 is required in place of NEW 101-M for transfer students.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Elective	1		
⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 44 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ENV 201: Fundamentals of Environmental Science	3	C	<ul style="list-style-type: none"> <li>PHY 101 is required. Student may choose either GLG 108 or GLG 101+ENV 103.</li> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
⚠ PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Field and Lab Geology for Environmental Science	4	C	
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Social Science Elective	3	C	
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Field and Lab Geology for Environmental Science	4	C	<ul style="list-style-type: none"> <li>PHY 101 is required. Student may choose either GLG 108 or GLG 101+ENV 103.</li> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
ECN 212: Microeconomic Principles (SB)	3	C	
GPH 210: Society and Environment (G)	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Social Science Elective	3	C	
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHM 302: Environmental Chemistry	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>Thinking about graduate school? Consider registering for a graduate <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
BIO 353: Cell Biology OR LSC 347: Fundamentals of Genetics	3	C	
Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Social Science Elective	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3	C	
Term hours subtotal:	15		

Term 6 75 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory	4	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
SOC 331: Environmental Sociology (SB & G)	3	C	
Upper Division Science Elective AND Upper Division Literacy and Critical Inquiry (L) ( ENV 388 OR PLB 388 recommended)	3	C	
Upper Division Science Elective	3-4	C	
Cultural Diversity in the U.S. (C) AND Historical Awareness (H)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16-17		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ENV 345: Spatial Analysis in the Environmental Sciences	3	C	<ul style="list-style-type: none"> <li>Completion of the Upper Division Cultural Diversity in the U.S. (C) or Upper Division Global Awareness (G) AND SOC 331 in Term 6 satisfies the New College Proficiency - Language and Cultures requirement.</li> <li>Gather <b>professional references</b>.</li> </ul>
Complete 2 courses:			
Upper Division Science Elective	6-8	C	
Upper Division Cultural Diversity in the U.S. (C) OR Upper Division Global Awareness (G)	3	C	
Elective	3		
Term hours subtotal:	15-17		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ENV 485: Environmental Impact Assessment	3	C	<ul style="list-style-type: none"> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Social Science Elective	3	C	
Upper Division Elective	2		

Elective OR ENV 484: Internship	3
Term hours subtotal:	14

Hide Course List(s)/Track Group(s)

Upper Division Science Electives	Social Science Electives	Upper Division Ethics Electives
BIO 360: Animal Physiology	ABS 381: Natural Resources Policy	IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 370: Vertebrate Zoology	ABS 479: Ecosystem Management and Planning (L)	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)
BIO 385: Comparative Invertebrate Zoology	ASB 272: Environmental Justice (SB)	IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)
BIO 410: Techniques in Conservation Biology and Ecology (L)	ASB 326: Human Impacts on Ancient Environments (SB & H)	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)
BIO 412: Conservation in Practice	ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G)	PHI 306: Applied Ethics (HU)
BIO 422: Ecosystem Ecology	COM 312: Communication, Conflict, and Negotiation	PHI 360: Business and Professional Ethics (HU)
BIO 426: Limnology (L)	COM 430: Leadership in Group Communication	
BIO 474: Herpetology	ECN 211: Macroeconomic Principles (SB)	
BIO 499: Individualized Instruction or ENV 499: Individualized Instruction or LSC 499: Individualized Instruction or PLB 499: Individualized Instruction	ERM 428: International Environmental Management (G)	
ENV 300: Plant Diversity and Evolution (L or SG) or PLB 300: Plant Diversity and Evolution (L or SG)	HST 345: Environmental History (L)	
ENV 302: Plants and Civilization (L) or PLB 302: Plants and Civilization (L)	OGL 200: Introduction to Organizational Leadership (SB)	
ENV 388: STEM Research Fundamentals (L) or PLB 388: STEM Research Fundamentals (L)	OGL 240: Introduction to Project Management	
ENV 394: Animal Behavior in a Changing Environment or LSC 394: Animal Behavior in a Changing Environment	OGL 300: Theory and Practice of Leadership	
ENV 394: Special Topics or PLB 394: Special Topics	OGL 355: Leading Organizational Innovation and Change	
ENV 410: Soil Science	POS 110: American Government and Politics (SB)	
ENV 484: Internship or LSC 484: Internship	POS 331: Public Opinion (SB)	
ENV 494: Special Topics or PLB 494: Special Topics	POS 426: Elements of Public Policy (SB)	
ENV 492: Honors Directed Study	PUP 301: Introduction to Urban Planning (L)	
ERM 502: Regulatory Framework for Toxic and Hazardous Substances	SOC 333: Population (SB & G)	
ERM 520: Sustainability and Sustainable Development	SOS 230: Professional Skills in Sustainability	
ERM 522: Air Pollution and Toxic Chemicals	SOS 311: Future Thinking and Strategies	
	SOS 385: Business and Sustainability I	

ERM 523: Soils and Groundwater  
Contamination

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ERM 527: Environmental/Resources  
Regulations Concepts

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ERM 535: Water Law and Policy

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ERM 598: Environmental Health

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LSC 434: Marine Ecology

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PLB 308: Plant Physiology

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PLB 310: The Flora of Arizona

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Environmental Science, BS

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu

ASENVBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar is required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for transfer students in place of NEW 101-M.</li> <li>MAT 210, MAT 251 or MAT 270 is recommended for students intending to pursue <b>graduate degrees</b>.</li> <li>MAT 270 is necessary for students intending on taking the Data/Modeling track focus courses.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA) OR MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15-16		
Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Either STP 226 or STP 280 is acceptable to meet the requirement. STP 280 is necessary for students intending to take the Data/Modeling track focus courses.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 226: Elements of Statistics (CS) OR STP 280: Probability and Statistics for Researchers (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Field and Lab Geology for Environmental Science	4	C	<ul style="list-style-type: none"> <li>PHY 101 is required. Student may choose either GLG 108, or GLG 101 &amp; ENV 103.</li> <li>One semester of organic chemistry lecture &amp; lab is required, either CHM 231 &amp; 235 or CHM 233 &amp; 237. CHM 233 &amp; 237 should be taken by students intending to take</li> </ul>

CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I 4 C

ENV 201: Fundamentals of Environmental Science 3 C

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

❖ Complete First-Year Composition requirement.

❖ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

electives from the Chemistry/Toxicology track focus area, as they are prerequisites required for many courses in that focus area.

- Develop your **research skills**.
- Develop your **professional skills**.
- Build your professional connections -- join the **ASU Mentor Network**.

Term 4 43 - 58 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Field and Lab Geology for Environmental Science 4 C

SOS 111: Sustainable Cities ((HU or SB) & G) 3 C

Track Focus Elective Course 4 C

Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

Elective 1

Term hours subtotal: 15

- PHY 101 is required. Student may choose either GLG 108, or GLG 101 & ENV 103.
- The program electives are grouped by track focus areas. Students can take electives from any of the track focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.
- Students must complete a total of at least 11 hours of track focus elective courses and at least three hours of upper-division track focus elective courses.
- Explore an **internship**, an **IGLE international experience**, or **ASU Study Abroad**.

Term 5 58 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CHM 302: Environmental Chemistry 3 C

BIO 353: Cell Biology OR LSC 347: Fundamentals of Genetics 3 C

Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU) 3 C

Upper Division Language and Cultures: Requirement satisfied through the following:

\* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) 3

Term hours subtotal: 15

- IAS 300 (3 credit hours) is required for all transfer students.
- Thinking about graduate school? Consider registering for a grad school **test prep course**.
- Develop your **professional online presence**.

Term 6 73 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory 4 C

★ ENV 345: Spatial Analysis in the Environmental Sciences 3 C

- The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area,

PLB 300: Plant Diversity and Evolution (L or SG) OR PLB 302: Plants and Civilization (L) OR PLB 388: STEM Research Fundamentals (L)	3-4	C
Track Focus Elective Course	4-3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	14	

and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.

- Use Handshake to research **employment opportunities**.
- Complete an in person or virtual **practice interview**.

Term 7 87 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENV 410: Soil Science	4	C	<ul style="list-style-type: none"> <li>• The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.</li> <li>• Gather <b>professional references</b>.</li> </ul>
★ Upper Division Environmental Science Capstone	3	Y	
Upper Division Field-Intensive Course	4	C	
Track Focus Elective Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	17		

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 422: Ecosystem Ecology	3	C	<ul style="list-style-type: none"> <li>• The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ ENV 485: Environmental Impact Assessment	3	C	
BIO 370: Vertebrate Zoology OR BIO 385: Comparative Invertebrate Zoology	4	C	
Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Track Focus Elective Course	3-4	C	
Term hours subtotal:	16-17		

- Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.

#### Hide Course List(s)/Track Group(s)

Field-Intensive Course	Business/Leadership Track	Chemistry/Toxicology Track
BIO 474: Herpetology	COM 415: Risk Communication	BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory
PLB 310: The Flora of Arizona	COM 430: Leadership in Group Communication	BIO 353: Cell Biology
	ERM 502: Regulatory Framework for Toxic and Hazardous Substances	BIO 443: Applied Molecular Genetics and Genomics

	ERM 527: Environmental/Resources Regulations Concepts	CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II
	ERM 535: Water Law and Policy	CHM 303: Environmental Chemistry Laboratory (L)
	OGL 200: Introduction to Organizational Leadership (SB)	ERM 522: Air Pollution and Toxic Chemicals
	OGL 240: Introduction to Project Management	ERM 523: Soils and Groundwater Contamination
	OGL 300: Theory and Practice of Leadership	ERM 598: Environmental Health
	OGL 355: Leading Organizational Innovation and Change	LSC 347: Fundamentals of Genetics
	SOS 230: Professional Skills in Sustainability	LSC 425: Analytical Chemistry for Life Sciences
	SOS 311: Future Thinking and Strategies	LSC 426: Analytical Chemistry for Life Sciences Lab
	SOS 385: Business and Sustainability I	LSC 475: Principles of Toxicology
<b>Data/Modeling Track</b>	<b>Ecosystem/Global Change Track</b>	<b>Organismal/Conservation Biology Track</b>
MAT 271: Calculus with Analytic Geometry II (MA)	BIO 323: Ecosystem Restoration and Management	BIO 360: Animal Physiology
MAT 275: Modern Differential Equations (MA)	BIO 412: Conservation in Practice	BIO 370: Vertebrate Zoology
MAT 343: Applied Linear Algebra	BIO 415: Statistical Models for Biology (CS)	BIO 385: Comparative Invertebrate Zoology
MAT 450: Mathematical Models in Biology or MAT 451: Mathematical Modeling (CS)	BIO 421: Landscape Ecology	BIO 410: Techniques in Conservation Biology and Ecology (L)
STP 281: Statistical Analysis for Researchers	BIO 426: Limnology (L)	BIO 474: Herpetology
STP 310: Design and Analysis of Experiments	ENV 388: STEM Research Fundamentals (L) or LSC 388: STEM Research Fundamentals (L) or PLB 388: STEM Research Fundamentals (L)	ENV 300: Plant Diversity and Evolution (L or SG) or PLB 300: Plant Diversity and Evolution (L or SG)
STP 311: Regression and Time Series Analyses	ERM 520: Sustainability and Sustainable Development	ENV 302: Plants and Civilization (L) or PLB 302: Plants and Civilization (L)
STP 315: Statistical Computing	LSC 362: The Human Environment	ENV 394: Animal Behavior in a Changing Environment or LSC 394: Animal Behavior in a Changing Environment
STP 450: Nonparametric Statistics	LSC 434: Marine Ecology	ENV 394: Special Topics or ENV 494: Special Topics
STP 460: Categorical Data Analysis	MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory	PLB 308: Plant Physiology
STP 499: Individualized Instruction	SOS 110: Sustainable World (SB)	PLB 310: The Flora of Arizona
		PLB 394: Special Topics or PLB 494: Special Topics
<b>Upper Division Capstone Experience</b>	<b>Upper Division Ethics Electives</b>	
BIO 495: Undergraduate Research	IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)	
BIO 499: Individualized Instruction	IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	
ENV 484: Internship		
ENV 492: Honors Directed Study		

ENV 493: Honors Thesis	IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)
ENV 499: Individualized Instruction	
LSC 484: Internship	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)
LSC 492: Honors Directed Study	
LSC 493: Honors Thesis (L)	PHI 306: Applied Ethics (HU)
LSC 499: Individualized Instruction	PHI 360: Business and Professional Ethics (HU)
PLB 499: Individualized Instruction	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Exploratory Applied Computing, Mathematics and Technology

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASACMTEXPL

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>Completion of both ACO 101 and ACO 102 with a C or better fulfills the New College Language and Cultures requirement.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)			
 OR MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101-M: The ASU New College Experience	1		
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16-17		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Completion of both ACO 101 and ACO 102 (with a C or better) fulfills the New College Proficiency - Language and Cultures requirement.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-16		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ACO 201: Data Structures and Algorithms (CS) OR ACO 240: Introduction to Programming Languages OR STP 280: Probability and Statistics for Researchers (CS)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> </ul>
 Natural Science - Quantitative (SQ)	4		

Historical Awareness (H)	3
Literacy and Critical Inquiry (L)	3
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3
◆ Complete First-Year Composition requirement.	
Complete Mathematics (MA) requirement.	
Milestone: Selection of a major.	
Term hours subtotal:	16

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global (G), Historical (H), and Cultural (C) awareness requirements with their Social-Behavioral Sciences (SB) or Humanities, Arts and Design (HU) courses.

**Total Hours:** 47

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Exploratory Health and Life Sciences

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASHSCIEXP

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)			
 OR MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101-M: The ASU New College Experience	1		
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Term hours subtotal:	14-15		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
STP 226: Elements of Statistics (CS) OR STP 280: Probability and Statistics for Researchers (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		



◆ Complete First-Year Composition requirement.

.....  
Complete Mathematics (MA) requirement.  
.....

Milestone: Selection of a major.  
.....

Term hours subtotal: 16

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 46

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Exploratory Humanities, Fine Arts and Design

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASHUFAEXPL

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 PHI 101: Introduction to Philosophy (HU)	3	C	
NEW 101-H: The ASU New College Experience	1		
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Mathematics (MA)	3		
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
 IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU)	3	C	
Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		

◆ Complete Mathematics (MA) requirement.

.....  
Complete First-Year Composition requirement.

.....  
Milestone: Selection of a major.

.....  
Term hours subtotal: 16

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Exploratory Social and Behavioral Sciences

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASSBSEXPL

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101-S: The ASU New College Experience	1		
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Mathematics (MA)	3	C	
Term hours subtotal:	13		
Term 2 13 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
 PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	
NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 29 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
ACO 100: All About Data: Design, Query, and Visualization (CS) OR			
CIS 105: Computer Applications and Information Technology (CS)	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			

.....  
Milestone: Selection of a major.  
.....

Term hours subtotal: 16

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map



### Forensic Science, BS




School/College: New College of Interdisciplinary Arts and Sciences





Location: West campus





ASFOREBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15		
Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) ( FOR 210 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
FOR 286: Principles of Forensic Science	4	C	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
		<b>Minimum</b>	

Term 4 44 - 58 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	<ul style="list-style-type: none"> <li>Forensic science internships are very competitive and the application process takes time. Fall semester internships typically require application in the spring semester prior, and spring or summer semester internships require application by the start of the preceding fall semester.</li> </ul>
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 5 58 - 72 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	4	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Students in the Forensic Science program must participate in a culminating experience, choosing three credit hours from either FOR 388, FOR 484, FOR 492, FOR 493 or FOR 499. Each of these courses require prior faculty approval and mentorship. FOR 499 must consist of an approved, faculty-mentored research project if it is to be used as the culminating, senior-level experience. See an academic advisor for questions.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
 LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	14		

Term 6 72 - 89 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FOR 370: Fundamentals of Forensic Analysis	4	C	<ul style="list-style-type: none"> <li>Students in the Forensic Science program must participate in a culminating experience, choosing three credit hours from either FOR 388, FOR 484, FOR 492, FOR 493 or FOR 499. Each of these courses require prior faculty approval and mentorship. FOR 499 must consist of an approved, faculty-mentored research project if it is to be used as the culminating, senior-level experience. See an academic advisor for questions.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 Upper Division Forensic Science Culminating Experience	3	C	
BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
FOR 413: Sacred Crimes: Religion and Violence (G & H) OR FOR 449: Latin American Cinema: The Dead and the Disappeared (G & H) OR FOR 454: History of Genocide (G & H)	3	C	
Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	17		

Term 7 89 - 104 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FOR 410: Testimony and Ethics in the Forensic Sciences (L) OR Upper Division Forensic Science Elective	3	C	<ul style="list-style-type: none"> <li>The Upper Division Forensic Science Distribution Course requirement consists of four credit hours of upper-division biology and six credit hours of upper-division chemistry.</li> <li>Gather <b>professional references</b>.</li> </ul>
 FOR 425: Analytical Chemistry for Life Sciences AND FOR 426: Analytical Chemistry for Life Sciences Lab	5	C	
 Upper Division Forensic Science Biology Distribution Course(s)	4	C	
Upper Division Forensic Science Chemistry Distribution Elective OR Upper Division Forensic Science Elective	3	C	
Term hours subtotal:	15		

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FOR 410: Testimony and Ethics in the Forensic Sciences (L) OR Upper Division Forensic Science Elective	3	C	<ul style="list-style-type: none"> <li>The Upper Division Forensic Science Distribution Course requirement consists of four credit hours of upper-division biology and six credit hours of upper-division chemistry.</li> <li>Apply for full-time career opportunities.</li> </ul>
★ Upper Division Forensic Science Chemistry Distribution Elective	3	C	
★ Upper Division Forensic Science Chemistry Distribution Elective OR Upper Division Forensic Science Elective	3	C	
★ Upper Division Forensic Science Elective	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	16		

Hide Course List(s)/Track Group(s)

Upper Division Forensic Science Biology Distribution Courses	Upper Division Forensic Science Chemistry Distribution Electives	Upper Division Forensic Science Electives
FOR 380: Analysis of Nonhuman Forensic DNA Evidence	FOR 401: Forensic Toxicology	FOR 380: Analysis of Nonhuman Forensic DNA Evidence
FOR 394: Forensic Botany	FOR 404: Forensic Toxicology Laboratory	FOR 394: Forensic Botany
FOR 394: Introduction to Forensic Anthropology	FOR 475: Principles of Toxicology	FOR 394: Introduction to Forensic Anthropology
FOR 402: Forensic Biology	FOR 494: Advanced Forensic Chemistry	FOR 400: Comparative Forensics
FOR 405: Techniques in Forensic Biology Laboratory	FOR 494: Advanced Forensic Chemistry Lab	FOR 401: Forensic Toxicology
FOR 447: Molecular Genetics Laboratory		FOR 402: Forensic Biology
FOR 480: Advanced Topics in Human Forensic DNA Typing		FOR 403: Comparative Forensics Laboratory
FOR 494: Fundamentals of Forensic Entomology		FOR 404: Forensic Toxicology Laboratory
FOR 494: Human Osteology and Forensic Techniques		FOR 405: Techniques in Forensic Biology Laboratory
		FOR 447: Molecular Genetics Laboratory
		FOR 475: Principles of Toxicology
		FOR 480: Advanced Topics in Human Forensic DNA Typing
		FOR 486: Peer Mentoring in the Forensic Sciences
		FOR 494: Advanced Forensic Chemistry
		FOR 494: Advanced Forensic Chemistry Lab
		FOR 494: Fundamentals of Forensic Entomology



Upper Division Forensic Science Culminating  
Experience

FOR 388: STEM Research Fundamentals (L)

FOR 484: Internship

FOR 492: Honors Directed Study

FOR 493: Honors Thesis (L)

FOR 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### History, BA


School/College: New College of Interdisciplinary Arts and Sciences



Location: West campus




ASHISBA



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Two Semester Survey in U.S. History, Global History or European History/Western Civilization AND Historical Awareness (H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 is required for all transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Two Semester Survey in U.S. History, Global History or European History/Western Civilization AND Historical Awareness (H)	3	C	<ul style="list-style-type: none"> <li>Create a first draft resume.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST Elective	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			



Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			
History Related Area Course	6	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>, <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			
HST Upper Division Elective	6	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Non-US Non-European History Course	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
History Related Area Course	3	C	
HST Upper Division Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Non-US Non-European History Course	3	C	<ul style="list-style-type: none"> <li>• Students must successfully complete six credit hours of upper-division History coursework prior to enrolling in HST 495.</li> <li>• Gather <b>professional references</b>.</li> </ul>
<i>Complete 2 courses:</i>			
Upper Division History Related Area Course	6	C	
HST Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST 495: Methods of Historical Inquiry (L)	3	C	• Apply for full-time career opportunities.
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective OR IAS 484: Internship	3		
Elective	3		
Term hours subtotal:	12		

- Students must complete two courses from one of the three Two Semester History Surveys: U.S. History, Global History or European History/Western Civilization.
- Students must complete 12 credit hours of upper-division history in courses offered by the New College of Interdisciplinary Arts and Sciences.
- Students must successfully complete six credit hours of upper-division History coursework prior to enrolling in HST 495.

Hide Course List(s)/Track Group(s)

Two Semester History Survey: U.S. History	Two Semester History Survey: Global History	Two Semester History Survey: European History/Western Civilization
HST 109: United States to 1865 ((HU or SB) & H)	HST 100: Global History to 1500 (HU & H & G)	HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H)
HST 110: United States Since 1865 (SB & H)	HST 101: Global History Since 1500 (HU & H & G)	HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H)
		HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H)
Non-US/Non-European History Courses	History Related Area Courses	
HST 375: Colonial Latin America (SB & H)	AMS Elective	
HST 376: Modern Latin America (SB & G & H)	ENG Elective	
	ETH Elective	
HST 404: Conquest and Encounters in Colonial Latin America (L & G)	HRC Elective	
HST 430: The Ottoman Empire in the Classical Period	HST Elective	
	JHR Elective	
HST 441: Latin America and the World Economy (L & G & H)	LAS Elective	
	PAX Elective	
HST 454: History of Genocide (G & H)	PHI Elective	
	REL Elective	
	SPA Elective	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### History (Secondary Education), BA



School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASHISSEBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Two Semester Survey in U.S. History, Global History or European History/Western Civilization AND Historical Awareness (H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>Transfer students will take IAS 300 in place of NEW 101-H.</li> <li>By the end of Term 6, a minimum 2.50 cumulative GPA is required in order to progress into the Professional Pathways Education Program.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) ( TEL 111 recommended)	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Two Semester Survey in U.S. History, Global History or European History/Western Civilization AND Historical Awareness (H)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS) ( CIS 105 OR EDT 180 OR EDT 321 recommended)	3		
Humanities, Arts and Design (HU) ( TEL 208 recommended)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST Elective	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
History Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Cultural Diversity in the U.S. (C) ( TEL 212 recommended)	3		

Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 62 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ History Related Area Course	3	C	<ul style="list-style-type: none"> <li>Explore an <a href="#">internship</a>, <a href="#">IGLE international experience</a> or <a href="#">ASU Study Abroad</a>.</li> </ul>
◆ HST Elective	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Social-Behavioral Sciences (SB) (SPE 222 recommended)	3		
Elective	2		
Term hours subtotal:	14		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Non-U.S. Non-European History Course	3	C	<ul style="list-style-type: none"> <li>Successful completion of six credit hours of upper-division History coursework must be completed prior to taking HST 495.</li> <li>Apply for an identity verified print (IVP) <a href="#">fingerprint clearance card</a>. Your IVP fingerprint card will be needed for internship/student teaching residency requirements in Terms 7 and 8.</li> <li>Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>Develop your <a href="#">professional online presence</a>.</li> </ul>
★ Complete 2 courses: HST Upper Division Elective	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 77 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 495: Methods of Historical Inquiry (L)	3	C	<ul style="list-style-type: none"> <li>Meet with a Mary Lou Fulton Teachers College advisor early in the semester to discuss education program requirements and submit a copy of your IVP fingerprint card. Once this is completed, you will be asked to attend a professional pathways program orientation. These steps must be completed before enrolling in Term 7 courses.</li> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Non-U.S. Non-European History Course	3	C	
HST Upper Division Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Milestone: Must attend Professional Pathways Orientation prior to enrollment in Term 7 courses.			
★ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 12

Term 7 89 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.</li> <li>During your clinical experience internship, you will work alongside a lead teacher in a 6-12th grade classroom.</li> <li>Reliable transportation is required to get to school sites in Terms 7-8.</li> <li>Gather <b>professional references</b>.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 494: Methods of Teaching History: Community Resources	3	C	
★ SED 496: Clinical Experience III	1	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.</li> <li>Students seeking teacher certification must pass required <b>educator exams</b>. Speak to your education advisor to plan appropriately.</li> <li>Apply for <b>full-time employment opportunities</b>.</li> </ul>
SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

- Students must select two courses from one of the three lower division history survey tracks: U.S. History, Global History, or European History/Western Civilization.
- Students must complete 12 credit hours of upper-division history courses offered by the New College of Interdisciplinary Arts and Sciences.

Hide Course List(s)/Track Group(s)

Two Semester History Survey: U.S. History	Two Semester History Survey: Global History	Two Semester History Survey: European History/Western Civilization
HST 109: United States to 1865 ((HU or SB) & H)	HST 100: Global History to 1500 (HU & H & G)	HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H)
HST 110: United States Since 1865 (SB & H)	HST 101: Global History Since 1500 (HU & H & G)	HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H)
		HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H)
Non-US/Non-European History Courses	History Related Area Courses	
HST 375: Colonial Latin America (SB & H)	AMS Elective	
HST 376: Modern Latin America (SB & G & H)	ENG Elective	
	ETH Elective	
HST 404: Conquest and Encounters in Colonial Latin America (L & G)	HRC Elective	
	HST Elective	



HST 430: The Ottoman Empire in the Classical Period	JHR Elective
HST 441: Latin America and the World Economy (L & G & H)	LAS Elective
HST 454: History of Genocide (G & H)	PAX Elective
	PHI Elective
	REL Elective
	SPA Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map











### Interdisciplinary Arts and Performance, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASIAPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 103: Foundations I: Interdisciplinary Art Practice	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Community</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research</b> skills. Discuss with a faculty member.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		
Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 361: Digital Editing and Media Literacy (CS)	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
Complete 2 courses:	6	C	
IAP Upper Division Elective			
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		
Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 325: Sound Performance: Exploring Alternative Performance Groups	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 IAP 354: Visual Representation	3	C	
IAP Upper Division Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		
Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 375: Contemporary Performance: Theories and Practice	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Complete 2 courses:	6	C	
IAP Upper Division Elective			
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
Term hours subtotal:	15		

Elective

3

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IAP 480: Art as Praxis: From Conceptualization to Production	3	C	• Apply for full-time career opportunities.
Complete 2 courses:			
IAP 4** Elective	6	C	
Elective	3		
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map

### Interdisciplinary Arts and Performance, BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

ASIAPBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IAP 103: Foundations I: Interdisciplinary Art Practice	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 fulfills this requirement.</li> <li>IAS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - B 20 - 26 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		<ul style="list-style-type: none"> <li>Build your <a href="#">professional skills</a>.</li> </ul>
Elective	3		
Term hours subtotal:	7		

Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU)	3	C	• Build your professional connections -- join the <a href="#">ASU Mentor Network</a> .
Social-Behavioral Sciences (SB)	3		
🚩 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		
Term 4 - A 39 - 45 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 Humanities, Arts and Design (HU)	3		• Develop your <b>skills</b> .
Global Awareness (G)	3		
Term hours subtotal:	6		
Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		• Explore an <b>internship</b> , <b>IGLE international experience</b> or <b>ASU Study Abroad</b> .
Elective	3		
Term hours subtotal:	6		
Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	6		
Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ IAP 325: Sound Performance: Exploring Alternative Performance Groups	3	C	• Create your <b>professional online presence</b> .
Elective	3		
Term hours subtotal:	6		
Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ IAP 361: Digital Editing and Media Literacy (CS)	3	C	
Elective	3		
Term hours subtotal:	6		
Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ IAP Upper Division Elective	3	C	• Thinking about graduate school? Consider registering for a graduate school <b>test prep course</b> .
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies			
	3	C	

requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IAP 354: Visual Representation	3	C	• Create your professional online presence.
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IAP Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: IAP Upper Division Elective	6	C	• Use Handshake to research employment opportunities.
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IAP 375: Contemporary Performance: Theories and Practice	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IAP Upper Division Elective	3	C	• Complete an in person or virtual practice interview.
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IAP 4** Elective	3	C	• Gather professional references.
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IAP 480: Art as Praxis: From Conceptualization to Production	3	C	• Apply for full-time career opportunities.
Elective	3		

Term hours subtotal: 6

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IAP 4** Elective	3	C	
Term hours subtotal:		3	

Hide Course List(s)/Track Group(s)

**Notes:**

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- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Interdisciplinary Arts and Sciences, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASIASBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required of transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>For the Area of Concentration courses starting in Term 3, work with an advisor to select a minor available at ASU or construct an individualized area of concentration with a coherent theme or purpose.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Area of Concentration Course	3	C	<ul style="list-style-type: none"> <li>Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Area of Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ IAS 300: Career Strategies and Personal Resilience (L or SB)	3	C	<ul style="list-style-type: none"> <li>• Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>• Complete one course from the Diverse Perspectives track.</li> <li>• Transfer students must take IAS 300 in place of NEW 101-H.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ Upper Division Diverse Perspectives Track	3	C	
★ Area of Concentration Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Area of Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>• Complete one course from the Critical Inquiry track.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Upper Division Critical Inquiry Track	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Area of Concentration Course	6	C	<ul style="list-style-type: none"> <li>• Area of Concentration courses are chosen in consultation with an academic advisor.</li> <li>• Complete one course from the Experimentation and the Creative Process track.</li> <li>• Gather <b>professional references</b>.</li> </ul>
★ Upper Division Experimentation and the Creative Process Track	3	C	
Upper Division Related Area Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Capstone	3	C
★ Upper Division Culture, Society and Power Track	3	C
Upper Division Language and Cultures: Requirement satisfied through the following:		
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C
Upper Division Elective	3	
Term hours subtotal:	12	

- Complete one course from the Culture, Society and Power track.
- Apply for full-time **career opportunities**.

- Working with an advisor, choose an Area of Concentration by selecting a minor offered by ASU or construct an individualized concentration with a coherent theme or purpose for 18 credit hours (minimum nine upper-division credit hours).
- Courses used to fulfill major requirements cannot also be used to fulfill Area of Concentration requirements.
- Choose and complete one course from each of four program tracks for a total of 12 credit hours: Diverse Perspectives; Critical Inquiry; Experimentation and the Creative Process; Culture, Society and Power.

Hide Course List(s)/Track Group(s)

Diverse Perspectives Track	Critical Inquiry Track	Experimentation and the Creative Process Track
AMS 380: Race, Gender, and Class (SB & C) or ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C)	AMS 330: American Lives (HU & C)	AMS 420: Theatre in America (HU) or IAP 420: Theatre in America (HU) or THE 420: Theatre in America (HU)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) or ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)	AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) or ETH 428: Peoples and Cultures of the American West, to 1848 (SB & H) or LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H)	COM 339: Creating Dramatic Works: Page to Stage to Screen or ENG 339: Creating Dramatic Works: Page to Stage to Screen or IAP 339: Creating Dramatic Works: Page to Stage to Screen
ENG 364: Women and Literature (HU)	ENG 401: Topics in Critical Theory	ENG 311: Persuasive Writing (L)
ENG 461: Studies in Women and Literature	HRC 310: Social and Cultural Studies: Method and Theory (C)	ENG 317: Cross-Cultural Writing ((L or HU) & G)
ENG 462: Africana Literature (HU & G)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	ENG 394: Oral History & Storytelling in Humanities & Arts
ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C)	HST 419: 20th Century Chicano/a History (C) or LAS 419: 20th Century Chicano/a History (C)	ENG 410: Writing for Publication
HST 375: Colonial Latin America (SB & H) or LAS 375: Colonial Latin America (SB & H)	IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)	ENG 457: Studies in American Poetry (HU)
HST 376: Modern Latin America (SB & G & H) or LAS 376: Modern Latin America (SB & G & H)	IAS 410: Evolution of Ideas (L or HU)	ENG 476: Folklore in Everyday Life
IAP 462: Games and Play	IAS 430: Science and Religion (L or HU)	ENG 494: Canyon Voices
	PHI 304: Existentialism (HU)	IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)
	PHI 306: Applied Ethics (HU)	IAP 362: Games and Narratology
	PHI 318: Philosophy of Religion (HU)	IAP 394: 3D Modeling and Media Literacy

LAS 340: Latin American Women Writers or WST 341: Latin American Women Writers	PHI 411: Continental Philosophy (HU)	IAP 394: Acting for the Camera
LAS 351: Cityscapes: Urban Mexican Literature and Culture	PHI 412: Philosophy and Literary Criticism (HU)	IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)
LAS 355: Contemporary Mexican Cinema: Changing Cartographies	WST 333: Critical Perspectives on Sexuality (SB & C)	LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)
REL 310: Western Religious Traditions (HU & H)	WST 376: Feminist Theory (H & C)	PHI 339: Philosophy of Art (HU)
REL 321: Religion in America ((L or HU) & C & H)		
REL 345: Asian Religious Traditions (HU & G)		
REL 390: Women, Gender and Religion (HU & G) or WST 390: Women, Gender and Religion (HU & G)		
WST 444: Gender, Health, and Bodies (SB)		
<b>Culture, Society and Power Track</b>	<b>Related Area Elective</b>	<b>Capstone</b>
AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)	AMS Upper Division Elective	HON 493: Honors Thesis (L) or IAS 493: Honors Thesis (L)
AMS 450: Latina/os, Schooling and Social Inequality (C) or ETH 450: Latina/os, Schooling and Social Inequality (C) or LAS 450: Latina/os, Schooling and Social Inequality (C)	DST Upper Division Elective	HRC 480: Capstone: Practices and Approaches (L)
AMS 469: Abject Bodies and the Politics of Trash (SB & C) or ETH 469: Abject Bodies and the Politics of Trash (SB & C) or WST 469: Abject Bodies and the Politics of Trash (SB & C)	ENG Upper Division Elective	IAS 480: Capstone: Practices and Approaches
ENG 472: Rhetorical Studies (L)	ETH Upper Division Elective	IAS 484: IAS Internship
ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G)	HRC Upper Division Elective	
ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements	HST Upper Division Elective	
HST 350: Later Middle Ages ((HU or SB) & H)	IAP Upper Division Elective	
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)	IAS Upper Division Elective	
HST 439: Athenian Democracy (H)	JHR Upper Division Elective	
HST 454: History of Genocide (G & H)	LAS Upper Division Elective	
	PAX Upper Division Elective	
	PHI Upper Division Elective	
	REL Upper Division Elective	
	SPA Upper Division Elective	
	WST Upper Division Elective	

HST 441: Latin America and the World Economy (L & G & H) or LAS 441: Latin America and the World Economy (L & G & H)

IAP 394: Print and the Protest

IAP 464: Media and Diversity (HU & G)

IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)

IAS 417: Philosophy of Censorship (L or HU) or PHI 417: Philosophy of Censorship (L or HU)

LAS 350: The Construction of a Nation: Chile in the 20th/21st Century

LAS 449: Latin American Cinema: The Dead and the Disappeared (G & H)

LAS 471: Treaties and Cultural Production in Spain and the Americas

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) or SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)

PHI 360: Business and Professional Ethics (HU)

PHI 439: Philosophy of Love and Sex

WST 457: Women, Cultures, and Societies (SB & G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Latin American Studies, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASLASBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 101: Elementary Spanish I OR POR 101: Elementary Portuguese I (G)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	1		
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 102: Elementary Spanish II OR POR 102: Elementary Portuguese II (G)	4	C	<ul style="list-style-type: none"> <li>Create a first draft resume.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LAS 205: Deep Roots: Latin America (HU & G) OR LAS 206: Locating Latin America: Interdisciplinary Methods	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
 SPA 201: Intermediate Spanish (G) OR POR 201: Intermediate Portuguese I (G)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ LAS 205: Deep Roots: Latin America (HU & G) OR LAS 206: Locating Latin America: Interdisciplinary Methods	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>, <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
⚠ SPA 202: Intermediate Spanish (G) OR POR 202: Intermediate Portuguese II (G)	4	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Latin American Studies Elective	3	C	<ul style="list-style-type: none"> <li>• The course taken to fulfill the Upper Division Social and Cultural Representation requirement cannot also be used to fulfill the Upper Division Latin American Studies Elective requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ Upper Division Social and Cultural Representation Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Latin American Studies Elective	6	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Elective	3		
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Latin American Studies Elective	6	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LAS 484: Internship OR LAS 493: Honors Thesis OR LAS 499: Individualized Instruction	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time employment opportunities</b>.</li> </ul>
★ Upper Division Latin American Studies Elective	3	C	
Complete 3 courses: Upper Division Elective	9		



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Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

Upper Division Latin American Studies Electives	Upper Division Social and Cultural Representation Elective
ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G)	JUS 475: Law, Societies and Justice in Latino-America (SB & G) or SPA 470: Law, Societies and Justice in Latino-America (SB & G)
LAS 330: From the Inside: The Latin American Journey (HU)	LAS 449: Latin American Cinema: The Dead and the Disappeared (G & H) or SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H)
LAS 340: Latin American Women Writers or WST 341: Latin American Women Writers	LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)
LAS 350: The Construction of a Nation: Chile in the 20th/21st Century	LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) or SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)
LAS 351: Cityscapes: Urban Mexican Literature and Culture	
LAS 355: Contemporary Mexican Cinema: Changing Cartographies	
LAS 375: Colonial Latin America (SB & H) or HST 375: Colonial Latin America (SB & H)	
LAS 376: Modern Latin America (SB & G & H) or HST 376: Modern Latin America (SB & G & H)	
LAS 394: Special Topics or POR 394: Special Topics or SPA 394: Special Topics	
LAS 419: 20th Century Chicano/a History (C) or HST 419: 20th Century Chicano/a History (C)	
LAS 449: Latin American Cinema: The Dead and the Disappeared (G & H) or SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H)	
LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)	
LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) or SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)	
LAS 494: Special Topics or POR 494: Special Topics or SPA 494: Special Topics	
SPA 313: Spanish Conversation and Composition (G) or SPA 315: Advanced	

Spanish I for Bilinguals (C) or POR 313:  
Portuguese Conversation and Culture (G)

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SPA 314: Spanish Conversation and  
Composition (G) or SPA 316: Advanced  
Spanish II for Bilinguals (L & C) or POR 314:  
Portuguese Composition and Culture (G)

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SPA 317: Spanish for the Professions (G)

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SPA 427: Colonial and Postcolonial Latin  
American Literature (L or HU)

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SPA 428: Foundational Texts of Latin  
American Literature Since Modernismo ((L or  
HU) & G)

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SPA 429: Writing Mexico: Major Texts ((L or  
HU) & G)

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SPA 456: 20th-Century Spanish American  
Fiction

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SPA 459: Latin American Jewish Culture

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SPA 470: Law, Societies and Justice in  
Latino-America (SB & G) or JUS 475: Law,  
Societies and Justice in Latino-America (SB &  
G)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map





### Pharmacology and Toxicology, BS



School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASPTXBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>• MAT 210 or higher-level MA accepted. MAT 251 recommended. Students considering graduate school or research may consider the MAT 270 and MAT 271 calculus sequence as an alternative. This may require more than 120 credit hours to complete the degree.</li> <li>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>• Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
 MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101-M: The ASU New College Experience	1		
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> <li>• Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
 STP 226: Elements of Statistics (CS)	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">research skills</a>.</li> <li>• Develop your <a href="#">professional skills</a>.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
BIO 201: Human Anatomy and Physiology I (SG)	4	C	
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Literacy and Critical Inquiry (L)	3		

❗ Complete CHM 113, CHM 116 course(s).

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	• Explore an <b>internship</b> , an <b>IGLE international experience</b> , or <b>ASU Study Abroad</b> .
BIO 202: Human Anatomy and Physiology II (SG)	4	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	• IAS 300 (3 credit hours) is required for all transfer students. • Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> . • Develop your <b>professional online presence</b> .
★ PTX 301: Basics of Pharmacology and Toxicology	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 76 - 89 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	• A total of four credit hours of PTX 499 may be applied to the Upper Division Pharmacology/Toxicology Elective requirement. • A total of three credit hours of PTX 484 or PTX 493 may be applied to the Upper Division Pharmacology/Toxicology Elective requirement. • Use Handshake to research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
Upper Division Pharmacology and Toxicology Elective	3-5	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	13-15		

Term 7 89 - 104 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory	4	C	• A total of four credit hours of PTX 499 may be applied to the Upper Division Pharmacology/Toxicology Elective requirement. • A total of three credit hours of PTX 484 or PTX 493 may be applied to the Upper Division Pharmacology/Toxicology Elective requirement. • Gather <b>professional references</b> .
★ PTX 432: Fundamentals of Pharmacology	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language	3	C	
Term hours subtotal:			

or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Upper Division Pharmacology and Toxicology Elective	4	C
Elective	1	
Term hours subtotal:		15

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PTX 450: Pharmacology and Toxicology Laboratory	1	C	<ul style="list-style-type: none"> <li>• General elective credit hours will be adjusted depending on the Pharmacology/Toxicology electives selected. Discuss with your advisor.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
PTX 475: Principles of Toxicology	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) ( ASB 353 OR SOC 353 recommended)	3		
Upper Division Elective	4-2		
Elective	2		
Term hours subtotal:		16-14	

Hide Course List(s)/Track Group(s)

Upper Division Pharmacology and Toxicology Elective
BIO 439: Computing for Research
CHM 302: Environmental Chemistry
CHM 435: Medicinal Chemistry
FOR 401: Forensic Toxicology
LSC 425: Analytical Chemistry for Life Sciences AND LSC 426: Analytical Chemistry for Life Sciences Lab
LSC 430: Environmental and Human Toxicology
MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory
PSY 470: Psychopharmacology
PTX 388: STEM Research Fundamentals (L)
PTX 484: Internship or PTX 493: Honors Thesis
PTX 494: Mechanisms of Pathophysiology and Disease States

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Philosophy, Religion and Society, BA





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus



ASRELBA



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.</li> <li>Select <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		




Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 REL 100: Religions of the World (HU & G)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		



Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses:			
Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		



Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	<ul style="list-style-type: none"> <li>A Related Area Course is any course offered by the School of Humanities, Arts and Cultural Studies and is from one of the following subject codes: AMS, DST, ENG, ETH, HRC, HST, IAP, IAS, JHR, LAS, PAX, PHI, REL, SPA, or WST.</li> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 306: Applied Ethics (HU) OR IAS 406: Moral Dilemmas (L or HU) OR PHI 406: Moral Dilemmas (L or HU)	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Applied Ethics Track Course	3	C	
Upper Division Religious Studies Track Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 304: Existentialism (HU) OR PHI 411: Continental Philosophy (HU) OR PHI 412: Philosophy and Literary Criticism (HU)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Religious Studies Track Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 303: The Future of Religions (L or HU) OR REL 300: The Future of Religions (L or HU) OR PHI 318: Philosophy of Religion (HU)	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Applied Ethics Track Course	3	C	
Upper Division Continental Philosophy Track Course	3	C	

Complete 2 courses:

6

Elective

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Culminating Experience	3	C	<ul style="list-style-type: none"> <li>• A Related Area Course is any course offered by the School of Humanities, Arts and Cultural Studies and is from one of the following subject codes: AMS, DST, ENG, ETH, HRC, HST, IAP, IAS, JHR, LAS, PAX, PHI, REL, SPA, or WST.</li> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Continental Philosophy Track Course	3	C	
Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Applied Ethics Track	Continental Philosophy Track	Religious Studies Track
IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)	ENG 401: Topics in Critical Theory	IAS 410: Evolution of Ideas (L or HU)
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)	HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy	IAS 430: Science and Religion (L or HU)
IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)	PHI 304: Existentialism (HU)	PHI 303: The Future of Religions (L or HU) or REL 300: The Future of Religions (L or HU)
IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)	PHI 311: Philosophy and Literature (HU)	PHI 318: Philosophy of Religion (HU)
PHI 306: Applied Ethics (HU)	PHI 339: Philosophy of Art (HU)	PHI 421: Philosophical Topics
PHI 336: Social and Political Philosophy (HU)	PHI 411: Continental Philosophy (HU)	REL 310: Western Religious Traditions (HU & H)
PHI 360: Business and Professional Ethics (HU)	PHI 412: Philosophy and Literary Criticism (HU)	REL 321: Religion in America ((L or HU) & C & H)
PHI 408: Feminist Ethics (HU)	PHI 421: Philosophical Topics	REL 345: Asian Religious Traditions (HU & G)
PHI 415: Philosophy and Film (HU)	PHI 494: Issues in Death & Dying or REL 494: Issues in Death & Dying	REL 390: Women, Gender and Religion (HU & G) or WST 390: Women, Gender and Religion (HU & G)
PHI 417: Philosophy of Censorship (L or HU)	REL 391: Historical Perspectives on Philosophy and Religion	
PHI 421: Philosophical Topics		
PHI 439: Philosophy of Love and Sex		
Related Area Course	Culminating Experience	
AMS Elective	IAS 480: Capstone: Practices and Approaches	
DST Elective	IAS 484: IAS Internship	
ENG Elective	HON 493: Honors Thesis (L) or IAS 493: Honors Thesis (L) or PHI 493: Honors Thesis (L)	
ETH Elective		
HRC Elective		
HST Elective		

IAP Elective

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IAS Elective

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JHR Elective

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LAS Elective

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PAX Elective

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PHI Elective

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REL Elective

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SPA Elective

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WST Elective

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Political Science, BA



School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu

ASPOLBA

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>Credit is only granted for POS 110 or POS 310.</li> <li>Credit is only granted for POS 160 or POS 360.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101-S: The ASU New College Experience	1		
Elective	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>Credit is only granted for POS 110 or POS 310.</li> <li>Credit is only granted for POS 160 or POS 360.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>Credit is only granted for POS 110 or POS 310.</li> <li>Credit is only granted for POS 160 or POS 360.</li> <li>Develop your <b>research skills</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Elective	3
◆ Complete First-Year Composition requirement.	
◆ Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

- Develop your **professional skills**.
- Build your professional connections -- join the **ASU Mentor Network**.

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ Social Justice and Inequality Interdisciplinary Track Course	3	C	• Explore an <b>internship</b> , <b>IGLE international experience</b> , or <b>ASU Study Abroad</b> .
Literacy and Critical Inquiry (L)	3		
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 302: Qualitative Methods OR SBS 304: Social Statistics I (CS)	3	C	• IAS 300 (3 credit hours) is required for all transfer students. • Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> . • Develop your <b>professional online presence</b> .
★ Upper Division Law, Citizenship, Borders Interdisciplinary Track Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 302: Qualitative Methods OR SBS 304: Social Statistics I (CS)	3	C	• Use Handshake to research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
★ Identity and Place Interdisciplinary Track Course	3	C	
Upper Division Social Justice and Inequality Interdisciplinary Track Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

		Minimum	
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Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Identity and Place Interdisciplinary Track Course	3	C	• Gather professional references.
★ Law, Citizenship, Borders Interdisciplinary Track Course	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS 484: Internship OR SBS 498: Pro-Seminar (L)	3	C	• Apply for full-time career opportunities.
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- Choose six credit hours from each of three interdisciplinary tracks for a total of 18 credit hours. Twelve credit hours must be upper-division. No single course can be used to fulfill multiple track requirements.

Hide Course List(s)/Track Group(s)

Social Justice and Inequality	Law, Citizenship, Borders	Identity and Place
ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB)	ASB 340: Migration and Culture (SB & G) or SOC 328: Migration and Culture (SB & G)	ASB 211: Women in Other Cultures ((HU or SB) & G)
ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C)	ASB 447: Citizenship, Nationalism and Identity (SB & C & G) or POS 447: Citizenship, Nationalism and Identity (SB & C & G) or SBS 447: Citizenship, Nationalism and Identity (SB & C & G)	ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G)
HST 441: Latin America and the World Economy (L & G & H) or LAS 441: Latin America and the World Economy (L & G & H)	POS 110: American Government and Politics (SB) or POS 310: American National Government (SB)	ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements
JHR 100: Introduction to Social Justice and Human Rights (SB & G)	POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G)	ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C)
JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G)	POS 210: Political Ideologies (SB)	HST 376: Modern Latin America (SB & G & H) or LAS 376: Modern Latin America (SB & G & H)
POS 342: Political Theory (HU or SB)	POS 361: American Foreign Policy (SB & G)	POS 150: Comparative Government (SB & G)
POS 446: Democracy (HU)	POS 446: Democracy (HU)	POS 247: Introduction to Latin American Politics (SB & G)
POS 480: Global Justice (G) or SBS 480: Global Justice (G)	POS 465: International Organization and Law (SB & G)	POS 350: Comparative Politics (SB & G)
POS 494: Everyday Forms of Political Resistance	POS 480: Global Justice (G) or SBS 480: Global Justice (G)	POS 357: South Asia Politics (SB & G)
SBS 301: Cultural Diversity ((L or SB) & C)		POS 361: American Foreign Policy (SB & G)

SOC 270: Racial and Ethnic Relations (SB & C)

SOC 331: Environmental Sociology (SB & G)

SOC 352: Social Change (SB & G & H)

SOC 426: Social Inequality (SB)

POS 437: Women, Power, and Politics (G) or  
SOC 437: Women, Power, and Politics (G)

SOC 264: Gender and Society (SB & C)

WST 428: Gender, Madness and Justice (SB)

**Notes:**

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**Major GPA:** 2.00 minimum

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**Academic Recognition:** 56 minimum

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**General University Requirements Legend**

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- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Political Science, BS



School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASPOLBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>Credit is only granted for POS 110 or POS 310.</li> <li>Credit is only granted for POS 160 or POS 360.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101-S: The ASU New College Experience	1		
Elective	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>Credit is only granted for POS 110 or POS 310.</li> <li>Credit is only granted for POS 160 or POS 360.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>Credit is only granted for POS 110 or POS 310.</li> <li>Credit is only granted for POS 160 or POS 360.</li> <li>Develop your <b>research skills</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		



Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Elective	3
◆ Complete First-Year Composition requirement.	
◆ Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

- Develop your **professional skills**.
- Build your professional connections -- join the **ASU Mentor Network**.

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ Social Justice and Inequality Interdisciplinary Track Course	3	C	• Explore an <b>internship</b> , <b>IGLE international experience</b> , or <b>ASU Study Abroad</b> .
Literacy and Critical Inquiry (L)	3		
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS)	3	C	• IAS 300 (3 credit hours) is required for all transfer students. • Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> . • Develop your <b>professional online presence</b> .
★ Upper Division Law, Citizenship, Borders Interdisciplinary Track Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS)	3	C	• Use Handshake to research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
★ Upper Division Social Justice and Inequality Interdisciplinary Track Course	3	C	
★ Identity and Place Interdisciplinary Track Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

		Minimum	
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Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Identity and Place Interdisciplinary Track Course	3	C	• Gather professional references.
★ Law, Citizenship, Borders Interdisciplinary Track Course	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS 484: Internship OR SBS 498: Pro-Seminar (L)	3	C	• Apply for full-time career opportunities.
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- Choose six credit hours from each of three interdisciplinary tracks for a total of 18 credit hours. Twelve credit hours must be upper-division. No single course can be used to fulfill multiple track requirements.

Hide Course List(s)/Track Group(s)

Social Justice and Inequality	Law, Citizenship, Borders	Identity and Place
ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB)	ASB 340: Migration and Culture (SB & G) or SOC 328: Migration and Culture (SB & G)	ASB 211: Women in Other Cultures ((HU or SB) & G)
ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C)	ASB 447: Citizenship, Nationalism and Identity (SB & C & G) or POS 447: Citizenship, Nationalism and Identity (SB & C & G) or SBS 447: Citizenship, Nationalism and Identity (SB & C & G)	ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G)
HST 441: Latin America and the World Economy (L & G & H) or LAS 441: Latin America and the World Economy (L & G & H)	POS 110: American Government and Politics (SB) or POS 310: American National Government (SB)	ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements
JHR 100: Introduction to Social Justice and Human Rights (SB & G)	POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G)	ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C)
JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G)	POS 210: Political Ideologies (SB)	HST 376: Modern Latin America (SB & G & H) or LAS 376: Modern Latin America (SB & G & H)
POS 342: Political Theory (HU or SB)	POS 361: American Foreign Policy (SB & G)	POS 150: Comparative Government (SB & G)
POS 446: Democracy (HU)	POS 446: Democracy (HU)	POS 247: Introduction to Latin American Politics (SB & G)
POS 480: Global Justice (G) or SBS 480: Global Justice (G)	POS 465: International Organization and Law (SB & G)	POS 350: Comparative Politics (SB & G)
POS 494: Everyday Forms of Political Resistance	POS 480: Global Justice (G) or SBS 480: Global Justice (G)	POS 357: South Asia Politics (SB & G)
SBS 301: Cultural Diversity ((L or SB) & C)		POS 361: American Foreign Policy (SB & G)

SOC 270: Racial and Ethnic Relations (SB & C)

SOC 331: Environmental Sociology (SB & G)

SOC 352: Social Change (SB & G & H)

SOC 426: Social Inequality (SB)

POS 437: Women, Power, and Politics (G) or  
SOC 437: Women, Power, and Politics (G)

SOC 264: Gender and Society (SB & C)

WST 428: Gender, Madness and Justice (SB)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Psychology, BA





School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu



ASPGSBA



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Students may elect to take an MA course in place of elective in Term 1 if needed to prepare for MAT 119 or MAT 170 in Term 2.</li> <li>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101-S: The ASU New College Experience	1		
Interdisciplinary Computer Science Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	16		




Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Related Coursework Electives	3	C	
Natural Science - Quantitative (SQ)	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		



Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:			
Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>• PSY 290 may be used to fulfill the General Studies Natural Science (SG) requirement.</li> <li>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
<i>Complete 2 courses:</i>			
Related Coursework Electives	6	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Cognitive Science Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Psychology Electives must be taken from the course lists below.</li> <li>• PSY 304 Effective Thinking (L) can be used to meet the Upper Division General Studies Literacy and Critical Inquiry (L) requirement as well as the Upper Division Psychology Electives requirement.</li> <li>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Psychology Elective	3	C	
Upper Division Social/Developmental Focus Area Course AND Upper Division Social-Behavioral Sciences (SB)	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Cognitive Science Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• Upper Division Psychology Electives must be taken from the course lists below.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Psychology Elective	3	C	
Upper Division Social/Developmental Focus Area Course AND Upper Division Social-Behavioral Sciences (SB)	3	C	
<i>Complete 2 courses:</i>			
Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Upper Division Psychology Electives must be taken from the course lists below.</li> <li>• Upper division (C) and (G) courses used to fulfill the New College Proficiency -</li> </ul>
Upper Division Psychology Elective	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in			

addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Complete 2 courses:		
Upper Division Elective	6	
Term hours subtotal:	15	

Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.

- Gather **professional references**.

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	<ul style="list-style-type: none"> <li>• Upper Division Psychology Electives must be taken from the course lists below.</li> <li>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
Related Coursework Electives	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	12		

- Courses used to fulfill the Upper Division Psychology Elective requirement may not be used to fulfill multiple psychology major requirements. No more than three credit hours of PSY 384, 399, 484, 493, 499 may count toward the Upper Division Psychology Elective requirement.

Hide Course List(s)/Track Group(s)

Upper Division Cognitive Science Focus Area	Upper Division Social/Developmental Focus Area	Psychology Electives: Biological / Learning
PSY 320: Learning and Motivation		PSY 320: Learning and Motivation
PSY 323: Sensation and Perception	PSY 315: Personality Theory and Research (SB)	PSY 323: Sensation and Perception
PSY 324: Memory and Cognition	PSY 341: Developmental Psychology (SB)	PSY 324: Memory and Cognition
PSY 325: Physiological Psychology	PSY 350: Social Psychology (SB)	PSY 325: Physiological Psychology
PSY 360: Cognitive Science	PSY 366: Abnormal Psychology (SB)	PSY 369: Biology of Human Sexuality
PSY 369: Biology of Human Sexuality	PSY 443: Abnormal Child Psychology (L or SB)	PSY 425: Biological Bases of Behavior (L)
PSY 470: Psychopharmacology		PSY 470: Psychopharmacology
Psychology Electives: Clinical / Health	Psychology Electives: Experiential	Psychology Electives: Industrial/Organizational
PSY 315: Personality Theory and Research (SB)	PSY 344: Directed Child Study (SB)	PSY 430: Industrial Psychology
PSY 366: Abnormal Psychology (SB)	PSY 384: Psychology Undergraduate Teaching Assistant	PSY 453: Organizational Behavior (SB)
PSY 443: Abnormal Child Psychology (L or SB)	PSY 394: Special Topics	PSY 468: Psychology and Law
PSY 444: Adolescent Psychology and Psychopathology	PSY 399: Supervised Research	PSY 482: Social Influence and Consumer Behavior (SB)
PSY 462: Health Psychology	PSY 484: Internship	
PSY 465: Psychology of Stress and Coping	PSY 493: Honors Thesis (L) or HON 493: Honors Thesis (L)	
PSY 472: Clinical Psychology	PSY 494: Special Topics	
	PSY 499: Individualized Instruction	

PSY 475: Multicultural Issues in Clinical Psychology

Psychology Electives: Life Span/Development	Psychology Electives: Methodology and Critical Thinking	Psychology Electives: Social Influence
PSY 341: Developmental Psychology (SB)	PSY 304: Effective Thinking (L)	PSY 306: Environmental Psychology (SB)
PSY 446: Social Development (L or SB)	PSY 330: Statistical Methods (CS)	PSY 350: Social Psychology (SB)
PSY 447: Psychology of Aging (SB)		PSY 370: Interpersonal Relationships (SB)
		PSY 385: Psychology of Gender (SB)
Interdisciplinary Computer Science Requirement	Related Coursework Electives	
ACO 100: All About Data: Design, Query, and Visualization (CS)	ASB Elective	
CIS 105: Computer Applications and Information Technology (CS)	ASM Elective	
CSE 180: Computer Literacy (CS)	COM Elective	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	JHR Elective	
	POS Elective	
	PSY Elective	
	SBS Elective	
	SOC Elective	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Psychology, BA








School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

ASPGSBA

**FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 meets this requirement.</li> <li>SBS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Students may elect to take an MA course in Term 1-B if needed to prepare for MAT 119 or MAT 170 in Term 2-A.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Interdisciplinary Computer Science Course	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Coursework Elective	3	C	<ul style="list-style-type: none"> <li>Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes

Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4	C	
Term hours subtotal:	7		

- Build your **professional skills**.

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
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⚠ PSY 230: Introduction to Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
⚠ Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

- PSY 230 may not be used to fulfill the Interdisciplinary Computer Science requirement in the major. ACO 100, CIS 105, CSE 180 or EDT 180 are required.
- Build your professional connections -- join the **ASU Mentor Network**.

Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
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⚠ PSY 290: Research Methods (L or SG)	4	C	
Global Awareness (G)	3		
Term hours subtotal:	7		

- PSY 290 may be used to fulfill the General Studies Natural Science (SG) requirement.
- Explore an **IGLE international experience** or **ASU Study Abroad**.

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
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Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Social/Developmental Focus Area Course AND Upper Division Social-Behavioral Sciences (SB)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective OR SBS 300: Careers in Psychology	3		
Elective	3		
Term hours subtotal:	6		

- SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101.

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Cognitive Science Focus Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	6		

- Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Psychology Elective	3	C
Upper Division Language and Cultures: Requirement satisfied through the following:		
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

- Choose Upper Division Psychology Electives from the course list below.
- Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	<ul style="list-style-type: none"> <li>• Choose Upper Division Psychology Electives from the course list below.</li> <li>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>• Thinking about graduate school? Consider registering for a graduate school <b>test prep course</b>.</li> </ul>
Related Coursework Elective	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Related Coursework Elective	3	C	<ul style="list-style-type: none"> <li>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>• Create your <b>professional online presence</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Cognitive Science Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Related Coursework Elective	3	C	
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Social/Developmental Focus Area Course AND Upper Division Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Upper Division Psychology Elective	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

- Choose Upper Division Psychology Electives from the course list below.
- Apply for full-time career opportunities.

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Psychology Elective	3	C
Elective	3	
Term hours subtotal:	6	

- Choose Upper Division Psychology Electives from the course list below.

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Psychology Elective	3	C
Term hours subtotal:	3	

- Choose Upper Division Psychology Electives from the course list below.

- Courses used to fulfill the Upper Division Psychology Elective requirement may not be used to fulfill multiple psychology major requirements.

Hide Course List(s)/Track Group(s)

Upper Division Cognitive Science Focus Area	Upper Division Social/Developmental Focus Area	Upper Division Psychology Electives
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	PSY 304: Effective Thinking (L)
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	PSY 315: Personality Theory and Research (SB)
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	PSY 320: Learning and Motivation
	PSY 366: Abnormal Psychology (SB)	PSY 323: Sensation and Perception
		PSY 324: Memory and Cognition
		PSY 341: Developmental Psychology (SB)
		PSY 350: Social Psychology (SB)
		PSY 366: Abnormal Psychology (SB)
		PSY 385: Psychology of Gender (SB)
		PSY 453: Organizational Behavior (SB)
		PSY 462: Health Psychology
		PSY 468: Psychology and Law
Interdisciplinary Computer Science Requirement	Related Coursework Electives	
ACO 100: All About Data: Design, Query, and Visualization (CS)	ASB Elective	
CIS 105: Computer Applications and Information Technology (CS)	ASM Elective	
CSE 180: Computer Literacy (CS)	COM Elective	
	JHR Elective	
	POS Elective	

EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)

PSY Elective

SBS Elective

SOC Elective

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map





### Psychology, BS




School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus, ASU@Lake Havasu

ASPGSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Students may elect to take an MA course in Term 1 to prepare for MAT 170 in Term 2.</li> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101-S: The ASU New College Experience	1		
Interdisciplinary Computer Science Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>Additional subjects may be used to fulfill Related Coursework requirement with academic advisor approval.</li> <li>Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 Related Coursework Electives	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
 Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.</li> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	13		

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 330: Statistical Methods (CS)	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>PSY 304 Effective Thinking (L) can be used to meet the upper division General Studies Literacy and Critical Inquiry (L) requirement as well as an Upper Division Psychology Elective.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ Upper Division Cognitive Science Focus Area Course	3	C	
★ Upper Division Social/Development Focus Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	2		
Term hours subtotal:	14		

Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Cognitive Science Focus Area Course	3	C	<ul style="list-style-type: none"> <li>Upper Division Psychology Electives must be taken from the course lists below.</li> <li>Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Upper Division Social/Developmental Focus Area Course AND Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Psychology Elective	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 89 - 102 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Psychology Elective	6	C	<ul style="list-style-type: none"> <li>Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit</li> </ul>
Life Science Lecture and Lab Course	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that			

have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Term hours subtotal: 13

hours). PSY 290 may be used to fulfill the SG requirement.

- Upper Division Psychology Electives must be taken from the course lists below.
- Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.
- Gather **professional references**.

Term 8 102 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	<ul style="list-style-type: none"> <li>• Upper Division Psychology Electives must be taken from the course lists below.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Elective OR PSY 484: Internship	3		
Upper Division Elective	3		
Complete 3 courses: Elective	9		
Term hours subtotal:	18		

- Courses used to fulfill the Psychology Elective requirement can only apply once in the major and may not be used to fulfill multiple psychology major requirements. No more than three credit hours of PSY 384, 399, 484, 493, or 499 may count toward the Upper Division Psychology Elective requirement.

Hide Course List(s)/Track Group(s)

Upper Division Cognitive Science Focus Area	Upper Division Social/Developmental Focus Area	Psychology Electives: Biological / Learning
PSY 320: Learning and Motivation		PSY 320: Learning and Motivation
PSY 323: Sensation and Perception	PSY 315: Personality Theory and Research (SB)	PSY 323: Sensation and Perception
PSY 324: Memory and Cognition	PSY 341: Developmental Psychology (SB)	PSY 324: Memory and Cognition
PSY 325: Physiological Psychology	PSY 350: Social Psychology (SB)	PSY 325: Physiological Psychology
PSY 360: Cognitive Science	PSY 366: Abnormal Psychology (SB)	PSY 369: Biology of Human Sexuality
PSY 369: Biology of Human Sexuality	PSY 443: Abnormal Child Psychology (L or SB)	PSY 425: Biological Bases of Behavior (L)
PSY 470: Psychopharmacology		PSY 470: Psychopharmacology
Psychology Electives: Clinical / Health	Psychology Electives: Experiential	Psychology Electives: Methodology and Critical Thinking
PSY 315: Personality Theory and Research (SB)	PSY 344: Directed Child Study (SB)	PSY 304: Effective Thinking (L)
PSY 366: Abnormal Psychology (SB)	PSY 384: Psychology Undergraduate Teaching Assistant	
PSY 443: Abnormal Child Psychology (L or SB)	PSY 394: Special Topics	
PSY 444: Adolescent Psychology and Psychopathology	PSY 399: Supervised Research	
PSY 462: Health Psychology	PSY 484: Internship	



PSY 465: Psychology of Stress and Coping	PSY 493: Honors Thesis (L) or HON 493: Honors Thesis (L)	
PSY 472: Clinical Psychology		
PSY 475: Multicultural Issues in Clinical Psychology	PSY 494: Special Topics	
	PSY 499: Individualized Instruction	
Psychology Electives: Industrial / Organizational	Psychology Electives: Life Span / Development	Psychology Electives: Social Influence
PSY 430: Industrial Psychology	PSY 341: Developmental Psychology (SB)	PSY 306: Environmental Psychology (SB)
PSY 453: Organizational Behavior (SB)	PSY 446: Social Development (L or SB)	PSY 350: Social Psychology (SB)
PSY 468: Psychology and Law	PSY 447: Psychology of Aging (SB)	PSY 370: Interpersonal Relationships (SB)
PSY 482: Social Influence and Consumer Behavior (SB)		PSY 385: Psychology of Gender (SB)
Related Coursework Electives	Interdisciplinary Computer Science Requirement	Life Science Lecture and Lab Course
ASB Elective		BCH Elective
ASM Elective	ACO 100: All About Data: Design, Query, and Visualization (CS)	BIO Elective
COM Elective	CIS 105: Computer Applications and Information Technology (CS)	FOR Elective
JHR Elective		LSC Elective
POS Elective	CSE 180: Computer Literacy (CS)	MIC Elective
PSY Elective	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	
SBS Elective		
SOC Elective		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Psychology, BS




School/College: [New College of Interdisciplinary Arts and Sciences](#)




Location: [Online, ASU Local@Los Angeles](#)

ASPGSBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar is required of all first-year students. NEW 101 fulfills this requirement.</li> <li>SBS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	7		





Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Students may elect to take an MA course in Term 1-B to prepare for MAT 170 in Term 2-A.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Interdisciplinary Computer Science Course	3	C	
Term hours subtotal:	6		



Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.</li> </ul>
 Life Science Lecture and Lab Course	4	C	
Term hours subtotal:	7		

Term 2 - B 20 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3		<ul style="list-style-type: none"> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

	Minimum
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Term 3 - A 26 - 33 Credit Hours	Hours	Grade	Notes
Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.</li> <li>Develop your <b>professional skills</b>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		



Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.</li> <li>Explore an <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Global Awareness (G)	3		
Term hours subtotal:	7		

Term 4 - B 46 - 52 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 5 - A 52 - 59 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 330: Statistical Methods (CS)	3	C	
 Upper Division Social/Developmental Focus Area Course	3	C	
Elective	1		
Term hours subtotal:	7		

Term 5 - B 59 - 65 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective OR SBS 300: Careers in Psychology	3		<ul style="list-style-type: none"> <li>SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 65 - 71 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Cognitive Science Focus Area Course	3	C	

Upper Division Language and Cultures: Requirement satisfied through the following:

\* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

3 C

Term hours subtotal: 6

- Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.

Term 6 - B 71 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Upper Division Language and Cultures: Requirement satisfied through the following:

\* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

3 C

Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

- Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.

Term 7 - A 77 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Psychology Elective

3 C

Elective 4

Term hours subtotal: 7

- Upper Division Psychology Electives must be taken from the course lists below.
- Thinking about graduate school? Consider registering for a grad school [test prep course](#).

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Social/Developmental Focus Area Course AND Upper Division Social-Behavioral Sciences (SB)

3

Elective 3

Term hours subtotal: 6

- Create your [professional online presence](#).

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Cognitive Science Focus Area Course

3 C

Elective 3

Term hours subtotal: 6

- Use Handshake to research [employment opportunities](#).

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Psychology Elective

3 C

★ Related Coursework Elective

3 C

Term hours subtotal: 6

- Upper Division Psychology Electives must be taken from the course lists below.
- Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.
- Complete an in person or virtual [practice interview](#).

Term 9 - A 102 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	<ul style="list-style-type: none"> <li>Upper Division Psychology Electives must be taken from the the course lists below.</li> <li>PSY 304 may be used to fulfill the upper division General Studies Literacy and Critical Inquiry (L) and the upper division Psychology Elective requirement in the major.</li> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3	C	
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	<ul style="list-style-type: none"> <li>Upper Division Psychology Electives must be taken from the course lists below.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Elective	3	C	<ul style="list-style-type: none"> <li>Upper Division Psychology Elective must be taken from the course list below.</li> </ul>
Elective	3		
Term hours subtotal:	6		

- Courses used to fulfill Psychology Elective requirements may not be used to fulfill multiple psychology major requirements.

Hide Course List(s)/Track Group(s)

Upper Division Cognitive Science Focus Area	Upper Division Social/Developmental Focus Area	Upper Division Psychology Electives
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	PSY 304: Effective Thinking (L)
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	PSY 315: Personality Theory and Research (SB)
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	PSY 320: Learning and Motivation
	PSY 366: Abnormal Psychology (SB)	PSY 323: Sensation and Perception
		PSY 324: Memory and Cognition
		PSY 341: Developmental Psychology (SB)
		PSY 350: Social Psychology (SB)
		PSY 366: Abnormal Psychology (SB)
		PSY 385: Psychology of Gender (SB)
		PSY 453: Organizational Behavior (SB)
		PSY 462: Health Psychology
		PSY 468: Psychology and Law
Related Coursework Electives		Life Science Lecture and Lab Course

ASB Elective	Interdisciplinary Computer Science Requirement	BCH Elective
ASM Elective		BIO Elective
COM Elective	ACO 100: All About Data: Design, Query, and Visualization (CS)	FOR Elective
JHR Elective	CIS 105: Computer Applications and Information Technology (CS)	LSC Elective
PSY Elective	CSE 180: Computer Literacy (CS)	MIC Elective
SBS Elective	EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	
SOC Elective		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Psychology (Forensic Psychology), BA





School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASPGSFPBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Students may elect to take an MA course in place of Elective in Term 1 if needed to prepare for MAT 119 or MAT 170 in Term 2.</li> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NEW 101-S: The ASU New College Experience	1		
Interdisciplinary Computer Science Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 2 16 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Coursework Elective	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		

Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Related Coursework Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		



Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 309: Criminology (SB)	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>PSY 304 Effective Thinking (L) can be used to meet the Upper Division General Studies Literacy and Critical Inquiry (L) requirement as well as the Upper Division Psychology Elective.</li> <li>Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>Thinking about graduate school? Consider registering for a graduate <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ PSY 366: Abnormal Psychology (SB)	3	C	
★ Upper Division Cognitive Science Focus Area Course	3	C	
Related Coursework Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 468: Psychology and Law	3	C	<ul style="list-style-type: none"> <li>Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Upper Division Social/Developmental Focus Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 368: Forensic Psychology	3	C	<ul style="list-style-type: none"> <li>Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.</li> <li>Gather <b>professional references</b>.</li> </ul>
★ Upper Division Cognitive Science Focus Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language	3	C	

or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Complete 2 courses:  
Upper Division Elective 6

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRJ 260: Substantive Criminal Law	3	C	• Apply for full-time career opportunities.
★ PSY 474: Correctional Psychology	3	C	
Upper Division Related Coursework Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

#### Hide Course List(s)/Track Group(s)

Upper Division Cognitive Science Focus Area Course	Upper Division Social/Developmental Focus Area Course	Interdisciplinary Computer Science Requirement
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	ACO 100: All About Data: Design, Query, and Visualization (CS)
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	CIS 105: Computer Applications and Information Technology (CS)
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	CSE 180: Computer Literacy (CS)
PSY 325: Physiological Psychology		EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
PSY 360: Cognitive Science		
PSY 369: Biology of Human Sexuality		
PSY 470: Psychopharmacology		
Related Coursework Electives	Upper Division Related Coursework Elective	
ASB Elective	ASB Upper Division Elective	
ASM Elective	ASM Upper Division Elective	
COM Elective	COM Upper Division Elective	
JHR Elective	JHR Upper Division Elective	
POS Elective	POS Upper Division Elective	
PSY Elective	PSY Upper Division Elective	
SBS Elective	SBS Upper Division Elective	
SOC Elective	SOC Upper Division Elective	

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Psychology (Forensic Psychology), BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

ASPGSFPBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 fulfills this requirement.</li> <li>SBS 300 (3 credits) is required for all transfer students in place of NEW 101.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Interdisciplinary Computer Science Course	3	C	<ul style="list-style-type: none"> <li>Students may elect to take an MA course in place of Elective in Term 1-B if needed to prepare for MAT 119 or MAT 170 in Term 2-A.</li> <li>View ASU Online first-year registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Related Coursework Elective	3	C	<ul style="list-style-type: none"> <li>Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
Natural Science - Quantitative (SQ)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 26 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

🚩 PSY 230: Introduction to Statistics (CS)	3	C	• Develop your <b>professional skills</b> .
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		• Build your professional connections -- join the <b>ASU Mentor Network</b> .
Elective	3		
🚩 Complete First-Year Composition requirement.			
🚩 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 PSY 290: Research Methods (L or SG)	4	C	• Explore an <b>IGLE international experience</b> or <b>ASU Study Abroad</b> .
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ CRJ 309: Criminology (SB)	3	C	• Develop your <b>professional online presence</b> .
⭐ PSY 366: Abnormal Psychology (SB)	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Cognitive Science Focus Area Course	3	C	• SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101. • Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> .
Upper Division Elective OR SBS 300: Careers in Psychology	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ PSY 468: Psychology and Law	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Social/Developmental Focus Area Course	3	C	• Use Handshake to research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
Elective	3		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PSY 368: Forensic Psychology	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Cognitive Science Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Language and Cultures requirement may not also be used to fulfill the General Awareness Areas (C) and (G) requirements.</li> <li>• Gather professional references.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PSY 474: Correctional Psychology	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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CRJ 260: Substantive Criminal Law	3	C	<ul style="list-style-type: none"> <li>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Language and Cultures requirement may not also be used to fulfill the General Awareness Areas (C) and (G) requirements.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• PSY 304 Effective Thinking (L) can be used to meet the Upper Division General Studies Literacy and Critical Inquiry (L) requirement as well as the Upper Division Psychology Elective requirement.</li> <li>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> </ul>
Upper Division Related Coursework Elective	3	C	
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
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Related Coursework Elective	3	C	<ul style="list-style-type: none"> <li>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Related Coursework Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Term hours subtotal:	3		• Apply for full-time <b>career opportunities</b> .

Hide Course List(s)/Track Group(s)

Upper Division Cognitive Science Focus Area Course	Upper Division Social/Developmental Focus Area	Interdisciplinary Computer Science Requirement
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	ACO 100: All About Data: Design, Query, and Visualization (CS)
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	CIS 105: Computer Applications and Information Technology (CS)
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	CSE 180: Computer Literacy (CS)
		EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
Related Coursework Electives		
ASB Elective		
ASM Elective		
COM Elective		
JHR Elective		
POS Elective		
PSY Elective		
SBS Elective		
SOC Elective		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map




### Psychology (Forensic Psychology), BS



School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASPGSFPBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Students may elect to take an MA course in Term 1 in place of an Elective in order to prepare for MAT 170 in Term 2.</li> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101-S: The ASU New College Experience	1		
Interdisciplinary Computer Science Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.</li> <li>Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Related Coursework Elective	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		

Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		

❖ Complete First-Year Composition requirement.

❖ Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ PSY 290: Research Methods (L or SG)	4	C	• Explore an <b>internship</b> , an <b>IGLE international experience</b> or <b>ASU Study Abroad</b> .
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 309: Criminology (SB)	3	C	• IAS 300 (3 credit hours) is required for all transfer students. • PSY 304 Effective Thinking (L) can be used to meet the Upper Division General Studies Literacy and Critical Inquiry requirement as well as an Upper Division Psychology Elective. • Thinking about graduate school? Consider registering for a graduate <b>test prep course</b> . • Develop your <b>professional online presence</b> .
★ PSY 330: Statistical Methods (CS)	3	C	
★ PSY 366: Abnormal Psychology (SB)	3	C	
★ Upper Division Cognitive Science Focus Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 468: Psychology and Law	3	C	• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements. • Use Handshake to research <b>employment opportunities</b> . • Complete an in person or virtual <b>practice interview</b> .
★ Upper Division Social/Developmental Focus Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:	6		
Upper Division Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 368: Forensic Psychology	3	C	• Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.
★ Upper Division Cognitive Science Focus Area Course	3	C	
Life Science Lecture and Lab Course	4	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in			

addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Upper Division Elective	3	
Term hours subtotal:	16	

- Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.

- Gather **professional references**.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRJ 260: Substantive Criminal Law	3	C	
★ PSY 474: Correctional Psychology	3	C	
Complete 3 courses: Elective	8		
Term hours subtotal:	14		

- Apply for full-time **career opportunities**.

#### Hide Course List(s)/Track Group(s)

Upper Division Cognitive Science Focus Area Course	Upper Division Social/Developmental Focus Area Course	Interdisciplinary Computer Science Requirement
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	ACO 100: All About Data: Design, Query, and Visualization (CS)
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	CIS 105: Computer Applications and Information Technology (CS)
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	CSE 180: Computer Literacy (CS)
PSY 325: Physiological Psychology		EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
PSY 360: Cognitive Science		
PSY 369: Biology of Human Sexuality		
PSY 470: Psychopharmacology		
Life Science Lecture and Lab Course	Related Coursework Elective	
BCH Elective	ASB Elective	
BIO Elective	ASM Elective	
FOR Elective	COM Elective	
LSC Elective	JHR Elective	
MIC Elective	POS Elective	
	PSY Elective	
	SBS Elective	
	SOC Elective	

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Psychology (Forensic Psychology), BS

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

ASPGSFPBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 satisfies this requirement.</li> <li>SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
NEW 101: The ASU New College Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Interdisciplinary Computer Science Course	3	C	<ul style="list-style-type: none"> <li>Students may elect to take an MA course in place of Elective in Term 1-B if needed to prepare for MAT 170 in Term 2-A.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Related Coursework Elective	3	C	<ul style="list-style-type: none"> <li>Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.</li> </ul>
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

- Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.
- Secure a **part-time job** or **volunteer experience**.

Term 3 - A 26 - 32 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PSY 230: Introduction to Statistics (CS)	3	C	• Develop your <b>professional skills</b> .
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		• Develop your <b>professional skills</b> . • Build your professional connections -- join the <b>ASU Mentor Network</b> .
Elective	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PSY 290: Research Methods (L or SG)	4	C	• Explore an <b>internship</b> , an <b>IGLE international experience</b> or <b>ASU Study Abroad</b> .
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 309: Criminology (SB)	3	C	• Develop your <b>professional online presence</b> .
★ PSY 366: Abnormal Psychology (SB)	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 330: Statistical Methods (CS)	3	C	• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> .
★ Upper Division Cognitive Science Focus Area Course	3	C	
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PSY 468: Psychology and Law	3	C	• SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101.
Upper Division Elective OR SBS 300: Careers in Psychology	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Social/Developmental Focus Area Course	3	C	

Upper Division Elective	3
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).	
Term hours subtotal:	6

- Use Handshake to research **employment opportunities**.
- Complete an in person or virtual **practice interview**.

Term 7 - A 75 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PSY 368: Forensic Psychology	3	C	<ul style="list-style-type: none"> <li>• Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.</li> </ul>
Life Science Lecture and Lab Course	4	C	
Term hours subtotal:	7		

Term 7 - B 82 - 88 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Cognitive Science Focus Area Course	3	C	<ul style="list-style-type: none"> <li>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	6		

Term 8 - A 88 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PSY 474: Correctional Psychology	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 94 - 100 Credit Hours	Hours	Minimum Grade	Notes
CRJ 260: Substantive Criminal Law	3	C	<ul style="list-style-type: none"> <li>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	6		

Term 9 - A 100 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Literacy and Critical Inquiry (L)	3	C	<ul style="list-style-type: none"> <li>• PSY 304 Effective Thinking (L) can be used to meet the Upper Division General Studies Literacy and Critical Inquiry (L) requirement as well as an Upper Division Psychology Elective.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - B 106 - 112 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Elective	6		
Term hours subtotal:	6		
Term 10 - A 112 - 117 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Elective	5		
Term hours subtotal:	5		
Term 10 - B 117 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Elective	3		• Apply for full-time career opportunities.
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Upper Division Cognitive Science Focus Area Course	Upper Division Social/Developmental Focus Area Course	Interdisciplinary Computer Science Requirement
PSY 320: Learning and Motivation	PSY 315: Personality Theory and Research (SB)	ACO 100: All About Data: Design, Query, and Visualization (CS)
PSY 323: Sensation and Perception	PSY 341: Developmental Psychology (SB)	CIS 105: Computer Applications and Information Technology (CS)
PSY 324: Memory and Cognition	PSY 350: Social Psychology (SB)	CSE 180: Computer Literacy (CS)
		EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)
Life Science Lecture and Lab Course	Related Coursework Electives	
BCH Elective	ASB Elective	
BIO Elective	ASM Elective	
FOR Elective	COM Elective	
LSC Elective	JHR Elective	
MIC Elective	POS Elective	
	PSY Elective	
	SBS Elective	
	SOC Elective	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's



first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Social Justice and Human Rights, BA





School/College: New College of Interdisciplinary Arts and Sciences



Location: West campus





ASJHRBA




Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JHR 100: Introduction to Social Justice and Human Rights (SB & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S meets this requirement.</li> <li>IAS 300 is required by all transfer students in place of NEW 101-S.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
NEW 101-S: The ASU New College Experience	1		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13		




Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Law, Citizenship, Borders Interdisciplinary Track Course	3	C	<ul style="list-style-type: none"> <li>Select and complete nine credit hours from each of three interdisciplinary tracks below.</li> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Identity and Place Interdisciplinary Track Course	3	C	<ul style="list-style-type: none"> <li>• Select and complete nine credit hours from each of three interdisciplinary tracks below.</li> <li>• Explore an <b>internship</b>, <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS)	3	C	<ul style="list-style-type: none"> <li>• Select and complete nine credit hours from each of three interdisciplinary tracks below.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 Upper Division Identity and Place Interdisciplinary Track Course	3	C	
 Social Justice and Inequality Interdisciplinary Track Course	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS)	3	C	
 Upper Division Law, Citizenship, Borders Interdisciplinary Track Course	3	C	
 Upper Division Social Justice and Inequality Interdisciplinary Track Course	3	C	
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Law, Citizenship, Borders Interdisciplinary Track Course	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>
 Upper Division Social Justice and Inequality Interdisciplinary Track Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JHR 484: Internship OR SBS 498: Pro-Seminar (L)	3	C	• Apply for full-time career opportunities.
★ Upper Division Identity and Place Interdisciplinary Track Course	3	C	
Upper Division Elective	3		
Complete 2 courses:	6		
Elective	6		
Term hours subtotal:	15		

- Complete nine credit hours from each of three interdisciplinary tracks below for a total of 27 credit hours. Eighteen credit hours must be upper-division. No single course can be used to fulfill multiple track requirements.

Hide Course List(s)/Track Group(s)

Social Justice and Inequality	Law, Citizenship, Borders	Identity and Place
ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB)	ASB 340: Migration and Culture (SB & G) or SOC 328: Migration and Culture (SB & G)	ASB 211: Women in Other Cultures ((HU or SB) & G)
ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C)	ASB 447: Citizenship, Nationalism and Identity (SB & C & G) or POS 447: Citizenship, Nationalism and Identity (SB & C & G) or SBS 447: Citizenship, Nationalism and Identity (SB & C & G)	ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G)
HST 441: Latin America and the World Economy (L & G & H) or LAS 441: Latin America and the World Economy (L & G & H)	POS 110: American Government and Politics (SB) or POS 310: American National Government (SB)	ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements
POS 342: Political Theory (HU or SB)	POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G)	ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C)
POS 446: Democracy (HU)	POS 210: Political Ideologies (SB)	HST 376: Modern Latin America (SB & G & H) or LAS 376: Modern Latin America (SB & G & H)
POS 480: Global Justice (G) or SBS 480: Global Justice (G)	POS 361: American Foreign Policy (SB & G)	POS 150: Comparative Government (SB & G)
POS 494: Everyday Forms of Political Resistance	POS 446: Democracy (HU)	POS 247: Introduction to Latin American Politics (SB & G)
SBS 301: Cultural Diversity ((L or SB) & C)	POS 465: International Organization and Law (SB & G)	POS 350: Comparative Politics (SB & G)
SOC 270: Racial and Ethnic Relations (SB & C)	POS 480: Global Justice (G) or SBS 480: Global Justice (G)	POS 357: South Asia Politics (SB & G)
SOC 331: Environmental Sociology (SB & G)		POS 361: American Foreign Policy (SB & G)
SOC 352: Social Change (SB & G & H)		POS 437: Women, Power, and Politics (G) or SOC 437: Women, Power, and Politics (G)
SOC 426: Social Inequality (SB)		SOC 264: Gender and Society (SB & C)
		WST 428: Gender, Madness and Justice (SB)

Notes:

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Social and Behavioral Sciences, BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASSBSBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Introductory Social and Behavioral Science Course AND Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credits) is required for all transfer students in place of NEW 101-S.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 119: Finite Mathematics (MA) OR MAT 142: College Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
NEW 101-S: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	2		
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Program Elective	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SBS 200: Introduction to Social and Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
 Program Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods	3	C	<ul style="list-style-type: none"> <li>• Explore an internship, IGLE international experience, or ASU Study Abroad.</li> </ul>
⚠ Program Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	2		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 301: Cultural Diversity (L or SB) & C)	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Completion of SBS 301 in Term 5 and the Upper Division Language and Cultures course in Term 7 fulfills the New College Upper Division Language and Cultures requirement.</li> <li>• Develop your <b>professional online presence</b>.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> </ul>
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 484: Internship OR SBS 498: Pro-Seminar (L)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Upper Division Program Elective	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Program Elective	6	C	<ul style="list-style-type: none"> <li>• Completion of SBS 301 in Term 5 and Upper Division Language and Cultures course in Term 7 fulfills the New College Upper Division Language and Cultures requirement.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Complete 3 courses: Upper Division Program Elective	9	C	• Apply for full-time career opportunities.
Complete 2 courses: Elective	6		
Term hours subtotal:		15	

- Program Electives: A minimum of 12 credit hours must be taken from courses offered by the New College of Interdisciplinary Arts and Sciences. Working with an advisor, select and complete courses from at least **three** prefixes offered by the School of Social and Behavioral Sciences: ASB, COM, FAS, JHR, POS, PSY or SOC. Up to six credit hours of Internship, Supervised Research and Individualized Instruction may be applied toward the major.

Hide Course List(s)/Track Group(s)

Introductory Social and Behavioral Science Course	Program Electives
ASB 102: Introduction to Cultural Anthropology (SB & G)	ASB Elective
COM 100: Introduction to Human Communication (SB)	COM Elective
JHR 100: Introduction to Social Justice and Human Rights (SB & G)	FAS Elective
POS 110: American Government and Politics (SB)	JHR Elective
PSY 101: Introduction to Psychology (SB)	POS Elective
SOC 101: Introductory Sociology (SB)	PSY Elective
SOS 111: Sustainable Cities ((HU or SB) & G)	SOC Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)



General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Social and Behavioral Sciences, BS




School/College: [New College of Interdisciplinary Arts and Sciences](#)




Location: [West campus](#)





ASSBSBS



Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Introductory Social and Behavioral Science Course AND Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credits) is required for all transfer students in place of NEW 101-S.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 119: Finite Mathematics (MA) OR MAT 142: College Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
NEW 101-S: The ASU New College Experience	1		
Humanities, Arts and Design (HU)	3		
Elective	2		
Term hours subtotal:	15		
Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Program Elective	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SBS 200: Introduction to Social and Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
 SBS 304: Social Statistics I (CS)	3	C	
Program Elective	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SBS 303: Quantitative Methods	3	C	<ul style="list-style-type: none"> <li>Explore an internship, IGLE international experience, or ASU Study Abroad.</li> </ul>
 Program Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SBS 301: Cultural Diversity (L or SB) & C)	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>Develop your professional online presence.</li> <li>Thinking about graduate school? Consider registering for a grad school test prep course.</li> </ul>
 SBS 302: Qualitative Methods	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SBS 484: Internship OR SBS 498: Pro-Seminar (L)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
 Upper Division Program Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Program Elective	6	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		

Elective

3

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Program Elective	6	C	• Apply for full-time career opportunities.
Complete 3 courses: Elective	9		
Term hours subtotal:		15	

- Program Electives: A minimum of 12 credit hours must be taken from courses offered by the New College of Interdisciplinary Arts and Sciences. Working with an advisor, select and complete courses from at least **three** prefixes offered by the School of Social and Behavioral Sciences: ASB, COM, FAS, JHR, POS, PSY or SOC. Up to six credit hours of Internship, Supervised Research and Individualized Instruction may be applied toward the major.

Hide Course List(s)/Track Group(s)

Introductory Social and Behavioral Science Course	Program Electives
	ASB Elective
ASB 102: Introduction to Cultural Anthropology (SB & G)	COM Elective
	FAS Elective
COM 100: Introduction to Human Communication (SB)	JHR Elective
	POS Elective
JHR 100: Introduction to Social Justice and Human Rights (SB & G)	PSY Elective
	SOC Elective
POS 110: American Government and Politics (SB)	
PSY 101: Introduction to Psychology (SB)	
SOC 101: Introductory Sociology (SB)	
SOS 111: Sustainable Cities ((HU or SB) & G)	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Social and Cultural Analysis (American Studies), BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASSCAASBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 is required for all transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, please speak with an academic advisor.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ American Studies Concentration Course	3	C	• Explore an internship, IGLE international experience, or ASU Study Abroad.
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>• HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.</li> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>• Develop your professional online presence.</li> </ul>
Complete 2 courses:			
Upper Division American Studies Concentration Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:			<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
Upper Division American Studies Concentration Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following:			
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			
Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division American Studies Concentration Course	3	C	• Gather professional references.
Upper Division Elective OR IAS 484: Internship	3		
Complete 3 courses:			
Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HRC 480: Capstone: Practices and Approaches (L)	3	C
<i>Complete 2 courses:</i>		
Upper Division American Studies Concentration Course	6	C
Upper Division Elective	3	
Term hours subtotal:	12	

- Apply for full-time career opportunities.

- For the American Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

American Studies Concentration Course
AMS 201: Introduction to American Studies (L & C)
AMS 276: U.S. Women's Movements (H & C)
AMS 326: Popular Culture
AMS 330: American Lives (HU & C)
AMS 334: Class in America (SB)
AMS 336: The American Southwest in Literature and Film ((L or HU) & C)
AMS 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
AMS 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
AMS 380: Race, Gender, and Class (SB & C)
AMS 412: Studies in American Politics & Law (H)
AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H)
AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C)
AMS 450: Latina/os, Schooling and Social Inequality (C)
AMS 469: Abject Bodies and the Politics of Trash (SB & C)
ENG 337: Major American Novels (L or HU)
HST 320: U.S. Urban History since 1850 (SB & H)
HST 413: Contemporary America ((L or SB) & H)
HST 419: 20th Century Chicano/a History (C)



**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASSCAERBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 is required for all transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, please speak with an academic advisor.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses:			
Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ Ethnicity, Race and Indigenous Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an internship, IGLE international experience or ASU Study Abroad.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (three credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school test prep course.</li> <li>Develop your professional online presence.</li> </ul>
Complete 2 courses:			
Upper Division Ethnicity, Race and Indigenous Studies Concentration Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses:			<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> <li>Complete an in person or virtual practice interview.</li> </ul>
★ Upper Division Ethnicity, Race and Indigenous Studies Concentration Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following:			
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:	6		
Upper Division Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Ethnicity, Race and Indigenous Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> </ul>
Upper Division Elective OR IAS 484: Internship	3		
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HRC 480: Capstone: Practices and Approaches (L)	3	C	• Apply for full-time career opportunities.
<i>Complete 2 courses:</i>			
Upper Division Ethnicity, Race and Indigenous Studies Concentration Course	6	C	
Upper Division Elective	3		
Term hours subtotal:	12		

- For the Ethnicity, Race and Indigenous Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

Ethnicity, Race, and Indigneous Studies Concentration
ENG 317: Cross-Cultural Writing ((L or HU) & G)
ENG 420: Multicultural Autobiographies ((L or HU) & C)
ENG 462: Africana Literature (HU & G)
ENG 463: African American Literature
ETH 100: Ethnic and Indigenous Lives (SB & C)
ETH 334: The American Southwest in Literature and Film ((L or HU) & C)
ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
ETH 380: Race, Gender, and Class (SB & C)
ETH 428: Peoples and Cultures of the American West, to 1848 (SB & H)
ETH 430: Gender on the Borderlands (SB & G)
ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements
ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C)
ETH 450: Latina/os, Schooling and Social Inequality (C)

ETH 469: Abject Bodies and the Politics of  
Trash (SB & C)

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ETH 473: Indigenous and Latina/Chicana  
Representation (SB & C)

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HST 419: 20th Century Chicano/a History (C)  
or LAS 419: 20th Century Chicano/a History  
(C)

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SBS 301: Cultural Diversity ((L or SB) & C)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Social and Cultural Analysis (Latin American Studies), BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASSCALABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 is required for all transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, please speak with an academic advisor.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ Latin American Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 fulfills three credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (three credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ Complete 2 courses:	6	C	
Upper Division Latin American Studies Concentration Course			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:			<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Latin American Studies Concentration Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:	6		
Upper Division Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Latin American Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective OR LAS 484: Internship	3		
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HRC 480: Capstone: Practices and Approaches (L)	3	C
.....		
★ Complete 2 courses:		
Upper Division Latin American Studies Concentration Course	6	C
.....		
Upper Division Elective	3	
.....		
Term hours subtotal:	12	

- Apply for full-time career opportunities.

- For the Latin American Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

Latin American Studies Concentration
.....
LAS 205: Deep Roots: Latin America (HU & G)
.....
LAS 206: Locating Latin America: Interdisciplinary Methods
.....
LAS 330: From the Inside: The Latin American Journey (HU)
.....
LAS 340: Latin American Women Writers
.....
LAS 350: The Construction of a Nation: Chile in the 20th/21st Century
.....
LAS 351: Cityscapes: Urban Mexican Literature and Culture
.....
LAS 355: Contemporary Mexican Cinema: Changing Cartographies
.....
LAS 375: Colonial Latin America (SB & H)
.....
LAS 376: Modern Latin America (SB & G & H)
.....
LAS 404: Conquest and Encounters in Colonial Latin America (L & G)
.....
LAS 419: 20th Century Chicano/a History (C)
.....
LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H)
.....
LAS 430: Gender on the Borderlands (SB & G)
.....
LAS 441: Latin America and the World Economy (L & G & H)
.....
LAS 450: Latina/os, Schooling and Social Inequality (C)
.....
LAS 471: Treaties and Cultural Production in Spain and the Americas
.....
LAS 473: Indigenous and Latina/Chicana Representation (SB & C)
.....



LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)

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LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Social and Cultural Analysis (Peace Studies), BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASSCAPSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 is required for all transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For any questions, please speak with an academic advisor.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ Peace Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (three credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ Complete 2 courses:	6	C	
Upper Division Peace Studies Concentration Course			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:	6	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Peace Studies Concentration Course			
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:	6		
Upper Division Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Peace Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective OR IAS 484: Internship	3		
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HRC 480: Capstone: Practices and Approaches (L)	3	C
.....		
★ Complete 2 courses:		
Upper Division Peace Studies Concentration Course	6	C
.....		
Upper Division Elective	3	
.....		
Term hours subtotal:	12	

- Apply for full-time career opportunities.

- For the Peace Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

Peace Studies Concentration
.....
AMS 276: U.S. Women's Movements (H & C) or WST 276: U.S. Women's Movements (H & C)
.....
ASB 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB)
.....
COM 312: Communication, Conflict, and Negotiation
.....
COM 423: Facilitating Collaboration and Dialogue
.....
ENG 312: English in its Social Setting (L or HU or SB)
.....
ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements
.....
HST 454: History of Genocide (G & H) or FOR 454: History of Genocide (G & H)
.....
IAP 307: Art and War (HU & G)
.....
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)
.....
JHR 100: Introduction to Social Justice and Human Rights (SB & G)
.....
JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G)
.....
NEW 100: Introduction to Conflict Resolution
.....
PAX 230: Introduction to Peace Studies (G)
.....
PHI 306: Applied Ethics (HU)
.....
POS 480: Global Justice (G) or SBS 480: Global Justice (G)
.....
SOC 241: Modern Social Problems (SB)
.....

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Social and Cultural Analysis (Queer and Sexuality Studies), BA



School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASSCAQSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 is required for all transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, speak with an academic advisor.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		

❗ Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).

❗ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ Queer and Sexuality Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (three credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
Complete 2 courses:			
Upper Division Queer and Sexuality Studies Concentration Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:			<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Queer and Sexuality Studies Concentration Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			
Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Queer and Sexuality Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective OR WST 484: Internship	3		
Complete 3 courses:			
Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HRC 480: Capstone: Practices and Approaches (L)	3	C	• Apply for full-time career opportunities.>
★ Complete 2 courses:			
Upper Division Queer and Sexuality Studies Concentration Course	6	C	
Upper Division Elective	3		
Term hours subtotal:	12		

- For the Queer and Sexuality Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.
- If WST 100 is taken in Term 2, WST 100 and WST 300 may not be taken as Concentration Courses.

Hide Course List(s)/Track Group(s)

Queer and Sexuality Studies Concentration
AMS 276: U.S. Women's Movements (H & C) or WST 276: U.S. Women's Movements (H & C)
ENG 443: Gender, Culture and Literacy or WST 415: Gender, Culture and Literacy
ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements
SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)
WST 333: Critical Perspectives on Sexuality (SB & C)
WST 376: Feminist Theory (H & C)
WST 380: Race, Gender, and Class (SB & C)
WST 428: Gender, Madness and Justice (SB)
WST 444: Gender, Health, and Bodies (SB)
WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)
WST 457: Women, Cultures, and Societies (SB & G)
WST 469: Abject Bodies and the Politics of Trash (SB & C)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's



first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Social and Cultural Analysis (Women and Gender Studies), BA

School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASSCAWSBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 is required for all transfer students in place of NEW 101-H.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, please speak with an academic advisor.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 200: Introduction to Social and Cultural Analysis (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s).			

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ Women and Gender Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, <b>IGLE international experience</b> or <b>ASU Study Abroad</b>.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.</li> <li>IAS 300 (three credit hours) is required for all transfer students.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
Complete 2 courses:			
Upper Division Women and Gender Studies Concentration Course	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:			<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Women and Gender Studies Concentration Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			
Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Women and Gender Studies Concentration Course	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective OR WST 484: Internship	3		
Complete 3 courses:			
Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HRC 480: Capstone: Practices and Approaches (L)	3	C
.....		
★ Complete 2 courses:		
Upper Division Women and Gender Studies Concentration Course	6	C
.....		
Upper Division Elective	3	
.....		
Term hours subtotal:	12	

- Apply for full-time career opportunities.

- For the Women and Gender Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

Women and Gender Studies Concentration
.....
ENG 443: Gender, Culture and Literacy or WST 415: Gender, Culture and Literacy
.....
ENG 454: Gender and Literature (L or HU)
.....
HST 328: Women in U.S. History, 1880-1980 (HU or SB) & C & H
.....
SBS 301: Cultural Diversity ((L or SB) & C)
.....
WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)
.....
WST 220: Gender, Media and Culture (HU & C)
.....
WST 276: U.S. Women's Movements (H & C)
.....
WST 333: Critical Perspectives on Sexuality (SB & C)
.....
WST 341: Latin American Women Writers
.....
WST 370: Chronicling Women's Lives (HU & C)
.....
WST 376: Feminist Theory (H & C)
.....
WST 380: Race, Gender, and Class (SB & C)
.....
WST 390: Women, Gender and Religion (HU & G)
.....
WST 428: Gender, Madness and Justice (SB)
.....
WST 430: Gender on the Borderlands (SB & G)
.....
WST 433: Race and Sexualities in Social Justice Movements or ETH 433: Race and Sexualities in Social Justice Movements
.....
WST 444: Gender, Health, and Bodies (SB)
.....
WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)
.....

WST 457: Women, Cultures, and Societies  
(SB & G)

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WST 469: Abject Bodies and the Politics of  
Trash (SB & C)

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WST 473: Indigenous and Latina/Chicana  
Representation (SB & C)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Sociology, BA





School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus, ASU@Lake Havasu](#)

ASSOCBA

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101-S: The ASU New College Experience	1		
Elective	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC Elective	3	C	<ul style="list-style-type: none"> <li>For SOC electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>Create a first draft <a href="#">resume</a>.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> <li>Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">research skills</a>.</li> <li>Develop your <a href="#">professional skills</a>.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ Related Area Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods	3	C	<ul style="list-style-type: none"> <li>IAS 300 (three credit hours) is required for all transfer students.</li> <li>For SOC electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>A maximum of six credit hours of SOC 484 or SOC 499 can be used for SOC electives.</li> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ SBS 304: Social Statistics I (CS)	3	C	
★ SOC Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>For SOC electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>A maximum of six credit hours of SOC 484 or SOC 499 can be used for SOC electives.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Complete 2 courses: SOC Upper Division Elective	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SOC 426: Social Inequality (SB) OR SOC 486: Contemporary Theory (SB)	3	C	<ul style="list-style-type: none"> <li>For SOC electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>A maximum of six credit hours of SOC 484 or SOC 499 can be used for SOC electives.</li> <li>Gather <b>professional references</b>.</li> </ul>
Related Area Course	3	C	
SOC Upper Division Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language	3	C	
Term hours subtotal:	15		

or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Upper Division Elective	3
Term hours subtotal:	15

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>For SOC electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>A maximum of six credit hours of SOC 484 or SOC 499 can be used for SOC electives.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
Related Area Course	3	C	
Upper Division Elective OR SOC 484: Internship	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses
ASB Elective
JHR Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:



- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Sociology, BS





School/College: New College of Interdisciplinary Arts and Sciences



Location: West campus




ASSOCBS




Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101-S: The ASU New College Experience	1		
Elective	3		
Term hours subtotal:	13		

Term 2 13 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC Elective	3	C	<ul style="list-style-type: none"> <li>For sociology electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 29 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Related Area Course	3	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> Related Area Course	6	C	<ul style="list-style-type: none"> <li>Explore an <a href="#">internship</a>, an <a href="#">IGLE international experience</a>, or <a href="#">ASU Study Abroad</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SBS 303: Quantitative Methods	3	C	<ul style="list-style-type: none"> <li>IAS 300 (3 credit hours) is required for all transfer students.</li> <li>For sociology electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>A maximum of six credit hours of SOC 484 or SOC 499 can be used for sociology electives.</li> <li>Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>Develop your <a href="#">professional online presence</a>.</li> </ul>
 SBS 304: Social Statistics I (CS)	3	C	
SOC Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SBS 302: Qualitative Methods	3	C	<ul style="list-style-type: none"> <li>For sociology electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>A maximum of six credit hours of SOC 484 or SOC 499 can be used for sociology electives.</li> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
<i>Complete 2 courses:</i> SOC Upper Division Elective	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SOC Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>For sociology electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>A maximum of six credit hours of SOC 484 or SOC 499 can be used for sociology electives.</li> <li>Gather <a href="#">professional references</a>.</li> </ul>
Related Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies	3	C	
Elective	3		

requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Complete 2 courses: 6  
 Upper Division Elective

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC 426: Social Inequality (SB) OR SOC 486: Contemporary Theory (SB)	3	C	<ul style="list-style-type: none"> <li>For sociology electives, in addition to the SOC subject code, other relevant courses may be chosen with advisor approval from the following subject codes: ASB, JHR, POS, PSY and SBS.</li> <li>A maximum of six credit hours of SOC 484 or SOC 499 can be used for sociology electives.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
SOC Upper Division Elective	3	C	
Upper Division Elective OR SOC 484: Internship	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses
ASB Elective
JHR Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Spanish, BA

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West campus](#)

ASSPABA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 102: Elementary Spanish II	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.</li> <li>SPA 101 is for true beginners, is considered introductory, does not count toward the major, and taking it will extend the amount of time to degree completion. See academic advisor for more information.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> <li>Activate your <a href="#">Handshake</a> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
NEW 101-H: The ASU New College Experience	1		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 201: Intermediate Spanish (G)	4	C	<ul style="list-style-type: none"> <li>Create a first draft <a href="#">resume</a>.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> <li>Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPA 202: Intermediate Spanish (G)	4	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">research skills</a>.</li> <li>Develop your <a href="#">professional skills</a>.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		

🚩 Complete First-Year Composition requirement.

🚩 Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 45 - 60 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)	3	C	• Explore an internship, an IGLE international experience, or ASU Study Abroad.
Related Area Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)	3	C	• IAS 300 (3 credit hours) is required for all transfer students. • Thinking about graduate school? Consider registering for a grad school test prep course. • Develop your professional online presence.
⭐ SPA 325: Introduction to Hispanic Literature (HU)	3	C	
⭐ Upper Division Spanish Culture and Civilization Course	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Spanish Culture and Civilization Course	3	C	• Use Handshake to research employment opportunities. • Complete an in person or virtual practice interview.
⭐ Upper Division Spanish Literature Course	3	C	
Related Area Elective	3	C	
Upper Division Elective	3		
Elective	3		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Spanish Culture and Civilization Course	3	C	• Gather professional references.
⭐ Upper Division Spanish Literature Course	3	C	
Complete 2 courses: Related Area Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Spanish Culture and Civilization Course	3	C	• Apply for full-time career opportunities.
⭐ Complete 2 courses: Upper Division Spanish Literature Course	6	C	

Upper Division Elective OR SPA 484: Internship	3
Elective	3
Term hours subtotal:	15

- Literature: choose 12 hours (four courses)
- Spanish Culture and Civilization: choose 12 hours (four courses). Courses taught in English will require all written work in Spanish for major credit.
- Related Area Electives: total of 12 hours (four courses). Choose from SPA, LAS or Related Area Electives List. Other courses must be approved by an academic advisor.

Hide Course List(s)/Track Group(s)

Upper Division Spanish Literature Courses	Upper Division Spanish Culture and Civilization Courses	Related Area Electives
LAS 340: Latin American Women Writers	LAS 330: From the Inside: The Latin American Journey (HU)	ASB 356: Central American Studies (SB & G) or SBS 356: Central American Studies (SB & G) or SOC 356: Central American Studies (SB & G) or POS 354: Central American Studies (SB & G)
LAS 351: Cityscapes: Urban Mexican Literature and Culture	LAS 355: Contemporary Mexican Cinema: Changing Cartographies	ENG 334: The American Southwest in Literature and Film ((L or HU) & C)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)	LAS 394: Special Topics	ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)	LAS 449: Latin American Cinema: The Dead and the Disappeared (G & H) or SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H)	LAS 205: Deep Roots: Latin America (HU & G)
SPA 429: Writing Mexico: Major Texts ((L or HU) & G)	LAS 471: Treaties and Cultural Production in Spain and the Americas	LAS 206: Locating Latin America: Interdisciplinary Methods
SPA 464: Jait'án Works in Chicano/a Literature ((HU or SB) & C)	LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)	LAS 340: Latin American Women Writers
	LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) or SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)	LAS 350: The Construction of a Nation: Chile in the 20th/21st Century
	LAS 494: Special Topics	LAS 351: Cityscapes: Urban Mexican Literature and Culture
	SPA 394: Special Topics	LAS 355: Contemporary Mexican Cinema: Changing Cartographies
		LAS 375: Colonial Latin America (SB & H)
		LAS 376: Modern Latin America (SB & G & H)
		LAS 404: Conquest and Encounters in Colonial Latin America (L & G)
		LAS 419: 20th Century Chicano/a History (C)
		LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H)
		LAS 471: Treaties and Cultural Production in Spain and the Americas



LAS 473: Indigenous and Latina/Chicana Representation (SB & C)

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LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)

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LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)

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POS 453: Latin America (SB & G)

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POS 454: Mexico (SB & G)

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SPA 412: Advanced Conversation and Composition (G)

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SPA 413: Spanish Grammar in Context (G)

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SPA 456: 20th-Century Spanish American Fiction

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SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Statistics, BS





School/College: New College of Interdisciplinary Arts and Sciences



Location: West campus




ASSTABS




Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.</li> <li>IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
NEW 101-M: The ASU New College Experience	1		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		




Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		


Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Develop your <b>research skills</b>.</li> <li>Develop your <b>professional skills</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
 STP 280: Probability and Statistics for Researchers (CS)	3	C	
ACO 101: Introduction to Computer Science (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 STP 281: Statistical Analysis for Researchers	3	C	<ul style="list-style-type: none"> <li>• Completion of ACO 101 and ACO 102 (with C or better) fulfills the New College Proficiency - Language and Cultures requirement.</li> <li>• Explore an <b>internship</b>, an <b>IGLE international experience</b>, or <b>ASU Study Abroad</b>.</li> </ul>
ACO 102: Object-Oriented Programming (CS)	3	C	
Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 STP 310: Design and Analysis of Experiments	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students.</li> <li>• Thinking about graduate school? Consider registering for a grad school <b>test prep</b> course.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 STP 311: Regression and Time Series Analyses	3	C	
MAT 343: Applied Linear Algebra	3	C	
Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 STP 315: Statistical Computing	3	C	<ul style="list-style-type: none"> <li>• Statistics Focus Area courses are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. See advisor to select the proper courses for the desired related field.</li> <li>• Students interested in graduate school should enroll in MAT 300, 371 and 472.</li> <li>• For data science careers, complete ACO courses for focus area.</li> <li>• LSC 388 is strongly recommended for students interested in graduate school.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Upper Division Statistics Elective	3	C	
Statistics Focus Area Course	3	C	
Literacy and Critical Inquiry (L) ( LSC 388 recommended)	3	C	
Upper Division Elective OR STP 484: Internship	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 STP 421: Probability	3	C	<ul style="list-style-type: none"> <li>• Statistics Focus Area courses are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. See advisor to select the proper courses for the desired related field.</li> <li>• Students interested in graduate school should enroll in MAT 300, 371 and 472.</li> <li>• For data science careers, complete ACO courses for focus area.</li> <li>• Gather <b>professional references</b>.</li> </ul>
 STP 485: Statistics Capstone	3	C	
Upper Division Statistics Elective	3	C	
Statistics Focus Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ STP 427: Mathematical Statistics	3	C
Upper Division Statistics Elective	3	C
Statistics Focus Area Course	3	C
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	15	

- Statistics Focus Area courses are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. See advisor to select the proper courses for the desired related field.
- Students interested in graduate school should enroll in MAT 300, 371 and 472 for focus area.
- For data science careers, complete ACO courses for focus area.
- Apply for **full-time career opportunities**.

- Statistics Focus Area Courses are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. See advisor to select the proper courses for the desired related field.
- Students should select and complete three courses (9-10 credit hours) from a single discipline. (i.e. three MAT courses or three CHM courses or three ACO courses) to complete the Focus Area requirement.
- Students interested in graduate school should enroll in MAT 300, 371 and 472 for the Statistics Focus area.
- For data science careers, complete Applied Computing (ACO) courses for the focus area.

Hide Course List(s)/Track Group(s)

Upper Division Statistics Electives	Statistics Focus Area Course
STP 450: Nonparametric Statistics	ACO 201: Data Structures and Algorithms (CS)
STP 451: Quality Improvement	ACO 320: Database Systems
STP 452: Multivariate Statistics	ACO 350: Systems Programming (CS)
STP 460: Categorical Data Analysis	CHM 113: General Chemistry I (SQ)
	CHM 116: General Chemistry II (SQ)
	CHM 233: General Organic Chemistry I
	MAT 243: Discrete Mathematical Structures
	MAT 300: Mathematical Structures (L)
	MAT 371: Advanced Calculus I
	MAT 421: Applied Computational Methods (CS)
	MAT 450: Mathematical Models in Biology
	MAT 472: Intermediate Real Analysis I

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map



### Women and Gender Studies, BS



School/College: New College of Interdisciplinary Arts and Sciences

Location: West campus

ASWSTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students should consult an advisor on (MA) course selection to ensure prerequisites for selected Statistics or Quantitative Methods requirement are met.</li> <li>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.</li> <li>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.</li> <li>• Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 WST 100: Women, Gender, and Society (SB & C)	3	C	
NEW 101-H: The ASU New College Experience	1		
Mathematics (MA) ( MAT 142 recommended)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		



Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> <li>• Join a <b>student club</b> or professional organization.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		



Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Women and Gender Studies Elective	3	C	<ul style="list-style-type: none"> <li>• If students are interested in taking PSY 230 to satisfy three credit hours of the Statistics or Quantitative Methods requirement, then PSY 101 should be selected for the Social-Behavioral Sciences requirement.</li> <li>• Develop your <b>research skills</b>.</li> <li>• Develop your <b>professional skills</b>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) ( PSY 101 recommended)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			




Complete First-Year Composition requirement.

- Build your professional connections -- join the [ASU Mentor Network](#).

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST 276: U.S. Women's Movements (H & C)	3	C	<ul style="list-style-type: none"> <li>• Explore an <a href="#">internship</a>, an <a href="#">IGLE international experience</a>, or <a href="#">ASU Study Abroad</a>.</li> </ul>
Women and Gender Studies Elective	3	C	
Global Awareness (G)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory (C)	3	C	<ul style="list-style-type: none"> <li>• IAS 300 (3 credit hours) is required for all transfer students; elective credit hours may need adjustment. Transfer students, please see your academic advisor.</li> <li>• Completion of HRC 310 with a C or better fulfills three credit hours of the New College Language and Cultures requirement.</li> <li>• Thinking of grad school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
Complete 2 courses: Upper Division Women and Gender Studies Elective	6	C	
Statistics or Quantitative Methods Electives	3	C	
Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 3 courses: Upper Division Women and Gender Studies Elective	9	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a>.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Women and Gender Studies Elective	6	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective OR WST 484: Internship	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ HRC 480: Capstone: Practices and Approaches (L)	3	C
<i>Complete 2 courses:</i>		
Upper Division Women and Gender Studies Elective	6	C
Statistics or Quantitative Methods Electives	3	C
Upper Division Elective	3	
Term hours subtotal:	15	

- Apply for full-time career opportunities.

- For Women and Gender Studies Electives, students must choose courses from the course list below. Other courses must be approved by an academic advisor before enrollment. No course may be used to satisfy more than one requirement in the major.

Hide Course List(s)/Track Group(s)

Women and Gender Studies Electives	Statistics or Quantitative Methods Electives
AMS 332: Studies in Race and Ethnicity	PSY 230: Introduction to Statistics (CS)
AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H)	PSY 290: Research Methods (L or SG)
COM 316: Gender and Communication (SB & C)	SBS 303: Quantitative Methods
COM 416: Gender and Race in the Media	SBS 304: Social Statistics I (CS)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	STP 226: Elements of Statistics (CS)
ENG 443: Gender, Culture and Literacy or WST 415: Gender, Culture and Literacy	STP 420: Introductory Applied Statistics (CS)
ENG 454: Gender and Literature (L or HU)	
ENG 455: Contemporary Women Writers	
ENG 461: Studies in Women and Literature	
ENG 462: Africana Literature (HU & G)	
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	
HST 419: 20th Century Chicano/a History (C)	
SBS 301: Cultural Diversity ((L or SB) & C)	
SOC 426: Social Inequality (SB)	
WST 220: Gender, Media and Culture (HU & C)	
WST 333: Critical Perspectives on Sexuality (SB & C)	
WST 341: Latin American Women Writers or LAS 340: Latin American Women Writers	
WST 370: Chronicling Women's Lives (HU & C)	



WST 376: Feminist Theory (H & C)

WST 380: Race, Gender, and Class (SB & C)

WST 390: Women, Gender and Religion (HU & G) or REL 390: Women, Gender and Religion (HU & G)

WST 428: Gender, Madness and Justice (SB)

WST 430: Gender on the Borderlands (SB & G)

WST 433: Race and Sexualities in Social Justice Movements or ETH 433: Race and Sexualities in Social Justice Movements

WST 444: Gender, Health, and Bodies (SB)

WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)

WST 457: Women, Cultures, and Societies (SB & G)

WST 469: Abject Bodies and the Politics of Trash (SB & C)

WST 473: Indigenous and Latina/Chicana Representation (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map

### Digital Audiences, BS

School/College: [Walter Cronkite School of Journalism and Mass Comm](#)

Location: [Online, ASU Local@Los Angeles](#)

CSDIGABS

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-ONL: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MCO 120: Media and Society (SB)	3	C	<ul style="list-style-type: none"> <li>Students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a></li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Mathematics (MA) ( MAT 142 recommended)	3		
Elective	3		
 Complete ENG 101 or ENG 105 or ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		
Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

❗ MCO 102: Fundamentals of Coding	1	C
Computer/Statistics/Quantitative Applications (CS)	3	
Elective	2	
❗ Complete First-Year Composition requirement.		
❗ Complete Mathematics (MA) requirement.		
Term hours subtotal:	6	

Term 4 - A 38 - 45 Credit Hours	Hours	Minimum Grade	Notes
Mass Communication Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Literacy and Critical Inquiry (L)	3		• Develop your professional online presence
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MCO 307: The Digital Audience	3	C	• Due to course equivalency issues, students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser
Elective	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		• Due to course equivalency issues, students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		• Use Handshake to research employment opportunities
Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MCO 433: Social Media Campaigns, Engagement and Research	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MCO 434: Search Engine Research and Strategy	3	C	• Complete an in person or virtual practice interview
Elective	3		

Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Mass Communication Elective	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MCO 438: Digital Audience Analysis	3	C	
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Elective	3		
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Term hours subtotal: 6

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Literacy and Critical Inquiry (L)	3		
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Upper Division Elective	3		
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Term hours subtotal: 6

- Gather professional references

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
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Upper Division Elective	3		
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Term hours subtotal: 6

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ MCO 439: Digital Audience Growth	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

- Apply for full-time career opportunities

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Mass Communication Elective	3	C	
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Upper Division Elective	3		
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Term hours subtotal: 6

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Mass Communication Elective	3	C	
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Term hours subtotal: 3

Hide Course List(s)/Track Group(s)

Mass Communication Electives

MCO 101: Everyday Grammar

MCO 240: Media Issues in American Pop Culture

MCO 302: Media Research Methods

MCO 335: Social Media

MCO 366: Media Ethics and Diversity

MCO 403: Media Law

MCO 418: History of Mass Communication  
(SB & H)

MCO 425: Digital Media Literacy I

MCO 426: Digital Media Literacy II

MCO 427: Misinformation and Society

MCO 428: Digital Media and Freedom of  
Expression in the 21st Century

MCO 430: International Mass Communication  
(G)

MCO 431: Media Entrepreneurship

MCO 450: Visual Communication (HU)

MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)

MCO 465: Sports and Media

MCO 470: Exploring the Business of  
Journalism

MCO 473: Sex, Love, and Romance in the  
Mass Media (SB)

MCO 494: Special Topics

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.


## 2021 - 2022 Major Map

### Digital Media Literacy, BA

School/College: [Walter Cronkite School of Journalism and Mass Comm](#)

Location: [Online, ASU Local@Los Angeles](#)

CSDMLBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MCO 120: Media and Society (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-ONL: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Create a first draft <b>resume</b></li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Mathematics (MA) ( MAT 142 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes



Natural Science - Quantitative (SQ)	4
Elective	3
🚩 Complete First-Year Composition requirement.	
🚩 Complete Mathematics (MA) requirement.	
Term hours subtotal:	7

Term 4 - A 38 - 45 Credit Hours	Hours	Minimum Grade	Notes
Mass Communication Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 Literacy and Critical Inquiry (L)	3		
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MCO 302: Media Research Methods	3	C	• Develop your professional online presence
Elective	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MCO 425: Digital Media Literacy I	3	C	• Use Handshake to research employment opportunities
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MCO 426: Digital Media Literacy II	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MCO 427: Misinformation and Society	3	C	• Complete an in person or virtual practice interview
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MCO 428: Digital Media and Freedom of Expression in the 21st Century	3	C
Elective	3	
Term hours subtotal:	6	

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	• Gather professional references
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	• Apply for full-time career opportunities
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

- Mass Communication Elective
- MCO 101: Everyday Grammar
- MCO 102: Fundamentals of Coding
- MCO 240: Media Issues in American Pop Culture
- MCO 307: The Digital Audience

MCO 335: Social Media

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MCO 366: Media Ethics and Diversity

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MCO 403: Media Law

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MCO 418: History of Mass Communication  
(SB & H)

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MCO 430: International Mass Communication  
(G)

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MCO 431: Media Entrepreneurship

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MCO 438: Digital Audience Analysis

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MCO 439: Digital Audience Growth

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MCO 450: Visual Communication (HU)

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MCO 456: Political Communication (SB)

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MCO 460: Race, Gender, and Media (C)

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MCO 465: Sports and Media

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MCO 470: Exploring the Business of  
Journalism

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MCO 494: Special Topics

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Journalism and Mass Communication, BA

School/College: [Walter Cronkite School of Journalism and Mass Comm](#)

Location: [Downtown Phoenix campus](#)

CSJMCBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year and transfer students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students should take a placement exam.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
Mathematics (MA)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@asu">me3@ASU</a></li> <li>Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 305: Multimedia Journalism	3	C	
Computer/Statistics/Quantitative Applications (CS) AND Statistics Course	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 301: Intermediate Reporting and Writing (L)	3	C	

ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	
JMC 366: Journalism Ethics and Diversity	3	C
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- Students interested in Public Relations should contact their academic adviser to review course recommendations.
- Courses you are taking now will impact your eligibility for certain Professional Programs. Please consult with your academic adviser to make sure you are on the right track to achieve your goal.

Term 4 48 - 64 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
SOC 101: Introductory Sociology (SB) OR PSY 101: Introduction to Psychology (SB)	3		
Philosophy Course AND Humanities, Arts and Design (HU) Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. AND Global Awareness (G)	4	C	
❖ Complete JMC 305 AND JMC 366 course(s).			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

- Related Area courses must be approved by an academic adviser
- Explore careers and internship opportunities through Cronkite Career Services

Term 5 64 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism OR JMC 310: Principles of Strategic Communications	3	C	
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Natural Science - Quantitative (SQ)	4		
Cultural Diversity in the U.S. (C)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

- Thinking about graduate school? Consider registering for a grad school test prep course.

Term 6 80 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 402: Mass Communication Law	3	C	
★ Upper Division Advanced Skills Course	3	C	
JMC 484: Internship	3	Y	
Related Area Course	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		

- Students following Public Relations track should enroll in JMC 310; all others should enroll in JMC 473
- Advanced Skills course should be selected in consultation with academic adviser

★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Professional Program	3	C	<ul style="list-style-type: none"> <li>Professional Programs require placement. Consult with your academic adviser to review your eligibility for certain programs.</li> <li>Students interested in additional Professional Program credit can apply it toward their Upper Division Advanced Skills Course credit. Consult with your academic adviser for more information.</li> <li>Related Area courses must be approved by an academic adviser</li> </ul>
★ Upper Division Advanced Skills Course	3	C	
JMC OR MCO Upper Division Elective	3	C	
Related Area Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
JMC OR MCO Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Related Area courses must be approved by an academic adviser</li> <li>Complete an in person or virtual practice interview</li> </ul>
MCO Upper Division Elective	3	C	
Related Area Course	3	C	
Upper Division Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- Advanced Skills course should be selected in consultation with academic adviser

Hide Course List(s)/Track Group(s)

Statistics (CS)	Professional Program	Philosophy
JUS 302: Statistical Analysis for Justice Studies (CS)	JMC 476: Public Relations Laboratory	HON 171: The Human Event (L or HU)
SOC 390: Social Statistics I (CS)	JMC 477: New Media Innovation and Entrepreneurship Lab	PHI 101: Introduction to Philosophy (HU)
STP 226: Elements of Statistics (CS)	JMC 478: Cronkite News: Phoenix Bureau	PHI 103: Principles of Sound Reasoning (L or HU)
SWU 321: Statistics for Social Workers (CS)	JMC 478: Cronkite News: Los Angeles	PHI 105: Intro to Ethics (HU)
	JMC 479: Cronkite News: Washington Bureau	PHI 306: Applied Ethics (HU)
	JMC 485: Television Magazine	
	JMC 486: Digital Audiences Lab	
	JMC 487: Howard Center for Investigative Journalism	
U.S. History	Advanced Skills Courses	
HST 109: United States to 1865 ((HU or SB) & H)	JMC 320: Newscast Producing	
	JMC 330: Television Reporting	

HST 314: American Cultural History Since 1865 ((HU or SB) & H)	JMC 333: Advanced Bilingual Broadcast Reporting
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	JMC 351: Photojournalism I
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	JMC 412: Opinion Writing
HST 334: African American History Since 1865 ((HU or SB) & C & H)	JMC 413: Advanced Editing
HST 337: American Indian History to 1900 ((HU or SB) & C & H)	JMC 414: Digital Graphic Design
HST 338: American Indian History since 1900 ((HU or SB) & C & H)	JMC 415: Writing for Public Relations
	JMC 421: Advanced Digital Storytelling
	JMC 430: Sports Marketing and Campaigns
	JMC 434: Advanced Bilingual Reporting
	JMC 436: Public Relations Research
	JMC 437: Documentary Production
	JMC 440: Magazine Writing
	JMC 451: Photojournalism II
	JMC 453: Reporting on Business and the Economy
	JMC 455: Digital Media Entrepreneurship
	JMC 457: Advanced Radio Reporting
	JMC 460: Advanced Online Media
	JMC 465: Telling Stories with Data
	JMC 470: Depth Reporting
	JMC 476: Public Relations Laboratory
	JMC 477: New Media Innovation and Entrepreneurship Lab
	JMC 478: Cronkite News - Phoenix
	JMC 478: Cronkite News: Los Angeles
	JMC 479: Cronkite News: Washington Bureau
	JMC 480: Cronkite News: Phoenix Sports Bureau
	JMC 481: Cronkite News: Los Angeles Sports Bureau
	JMC 485: Television Magazine
	JMC 486: Digital Audiences Lab
	JMC 487: Howard Center for Investigative Journalism
	JMC 441: Narrative Writing and Reporting.

**Notes:**

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map






### Journalism and Mass Communication, BA




School/College: [Walter Cronkite School of Journalism and Mass Comm](#)

Location:  
CSJMCBA

and  
Graphic  
Information  
Technology,  
BS

[Ira A. Fulton Schools of Engineering](#)  
TSGITBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 135: Graphic Communications	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 101: Grammar for Journalists	1	Y	
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIT 210: Creative Thinking and Design Visualization	3		<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b></li> <li>Select your <b>career interest community</b> and play <b>me3@ASU</b></li> </ul>
 JMC 201: News Reporting and Writing (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

❖ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Summer 2 32 - 39 Credit Hours	Hours	Minimum Grade	Notes
STP 226: Elements of Statistics (CS)	3		• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 3 39 - 55 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ GIT 230: Digital Illustration in Publishing	3	C	• Develop your <b>professional online presence</b>
❖ JMC 305: Multimedia Journalism	3	C	
JMC 351: Photojournalism I	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
❖ Complete First-Year Composition requirement.			
❖ Complete Mathematics (MA) requirement.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 4 55 - 71 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ GIT 215: Introduction to Web Authoring	3	C	For Focus Area Courses, students must select one of the following focus areas:  • Front-End Web Design and Development • Motion Graphics/Visual Effects • Digital Design, Print and Publishing • Commercial Photography and Video
❖ JMC 301: Intermediate Reporting and Writing (L)	3	C	
GIT 250: Introduction to Commercial Print	3		
Philosophy Course AND Humanities, Arts and Design (HU)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. AND Global Awareness (G)	4	C	All 12 hours of focus area courses must be taken from the same focus area.
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 71 - 89 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIT 303: Digital Publishing	3		• Develop your <b>skills</b>
GIT 384: Commercial Photography	3		
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
JMC 473: The Business and Future of Journalism	3	C	
GIT Focus Area Course	3		
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H) AND Cultural Diversity in the U.S. (C)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 6 89 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Journalism and Mass Communication Major Elective	3	C	• Explore an <b>internship</b>
JMC 414: Digital Graphic Design	3	C	
JMC 402: Mass Communication Law	3	C	
GIT Focus Area Course	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 7 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		• Gather <b>professional references</b>
GIT 314: Multimedia Design, Planning and Storyboards	3		
JMC 484: Internship	3	Y	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
GIT Focus Area Course	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 8 120 - 132 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIT 432: Graphic Industry Business Practices	3		
★ JMC 477: New Media Innovation and Entrepreneurship Lab	3	C	
POS 310: American National Government (SB)	3		
GIT Focus Area Course	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

- For Focus Area Courses, students must select one of the following focus areas:
  - Front-End Web Design and Development
  - Motion Graphics/Visual Effects
  - Digital Design, Print and Publishing
  - Commercial Photography and Video

All 12 hours of focus area courses must be taken from the same focus area.

Hide Course List(s)/Track Group(s)

Philosophy Course	U.S. History Course	Journalism & Mass Communication Upper Division Major Elective
HON 171: The Human Event (L or HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	JMC 451: Photojournalism II
PHI 101: Introduction to Philosophy (HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	JMC 455: Digital Media Entrepreneurship

PHI 103: Principles of Sound Reasoning (L or HU)	HST 334: African American History Since 1865 ((HU or SB) & C & H)	JMC 460: Advanced Online Media
PHI 105: Intro to Ethics (HU)	HST 337: American Indian History to 1900 ((HU or SB) & C & H)	MCO 425: Digital Media Literacy I
PHI 306: Applied Ethics (HU)	HST 338: American Indian History since 1900 ((HU or SB) & C & H)	
<b>GIT Focus Area: Front-End Web Design and Development</b>	<b>GIT Focus Area: Motion Graphics/Visual Effects</b>	<b>GIT Focus Area: Digital Design, Print and Publishing</b>
GIT 337: Web Content Design	GIT 211: Introduction to Video Game Art	GIT 333: Printing Technology
GIT 340: Information Design and Usability	GIT 312: 3-D Computer Graphics Modeling and Representation (CS)	GIT 334: Image Editing and Manipulation
GIT 402: New Media Internet Technologies	GIT 411: Computer Animation	GIT 437: Color Reproduction Systems
GIT 414: Web Site Design and Internet/Web Technologies	GIT 450: Digital Workflow in Graphic Industries	GIT 450: Digital Workflow in Graphic Industries
GIT 417: Advanced Web Markup and Scripting	GIT 494: Special Topics	GIT 494: Special Topics
GIT 418: Multimedia Authoring, Scripting and Production		TWC 411: Principles of Visual Communication (L)
GIT 435: Website and E-Commerce Strategies		
GIT 450: Digital Workflow in Graphic Industries		
GIT 494: Special Topics		
<b>GIT Focus Area: Commercial Photography and Video</b>		
GIT 295: Introduction to Technical Imaging		
GIT 315: Digital Video Techniques		
GIT 334: Image Editing and Manipulation		
GIT 415: Advanced Digital Video Techniques		
GIT 450: Digital Workflow in Graphic Industries		
GIT 490: Advanced Commercial Photography		
GIT 494: Special Topics		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 132  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Journalism and Mass Communication, BA

School/College: Walter Cronkite School of Journalism and Mass Comm

Location:  
CSJMCBA

and

Transborder

Chicana/o

and Latina/o

Studies

(Transborder

Community





Development



and Health),

BA

The College of Liberal Arts and Sciences

LATCLTBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Majors are expected to fulfill The College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper-division Spanish course.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b></li> <li>Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

JMC 305: Multimedia Journalism	3	C
STP 226: Elements of Statistics (CS)	3	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16

Term 3 32 - 48 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ JMC 301: Intermediate Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
❖ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
Transborder Community Development and Health Track Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
❖ Complete First-Year Composition requirement.			
❖ Complete Mathematics (MA) requirement.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 4 48 - 65 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Complete Spanish language proficiency by end of semester 4 for The College requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) General Studies requirement.</li> <li>• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.</li> </ul>
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..	4	C	
Natural Science - Quantitative (SQ)	4		
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 5 65 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism	3	C	
★ TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB)	3	C	
JMC 435: Latino and Transnational Issues	3	C	
TCL 323: Latina/o Health Issues (SB & C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes	
★ JMC 402: Mass Communication Law	3	C	<ul style="list-style-type: none"> <li>• Explore an <a href="#">internship</a></li> </ul>	
★ TCL 304: Transborder Research Methods (SB & C)	3	C		
JMC 470: Depth Reporting	3	C		
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3			
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C		
SPA Upper Division Elective	3	C		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).				
★ Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:				18

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research	3	C	<ul style="list-style-type: none"> <li>• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.</li> <li>• Gather <a href="#">professional references</a></li> </ul>
★ Upper Division JMC Professional Program Course	3	C	
JMC 484: Internship	3	Y	
TCL 321: Transborder Community Development and Health OR SOC 320: Transborder Community Development and Health	3		
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:			15

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	<ul style="list-style-type: none"> <li>• Professional programs require placement. Please consult your academic advisor.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Upper Division JMC Advanced Skills Course	3	C	
Complete 2 courses: Transborder Community Development and Health Track Course	6	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:			15

- Students must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.
- Students must complete 15 credit hours from the Transborder Community Development and Health track.

Hide Course List(s)/Track Group(s)

Philosophy Course	JMC Advanced Skills Course
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HON 171: The Human Event (L or HU)	JMC 320: Newscast Producing	Transborder Community Development and Health Track
PHI 101: Introduction to Philosophy (HU)	JMC 330: Television Reporting	
PHI 103: Principles of Sound Reasoning (L or HU)	JMC 333: Advanced Bilingual Broadcast Reporting	TCL 315: Latinx Family Structures (SB)
PHI 105: Intro to Ethics (HU)	JMC 351: Photojournalism I	TCL 326: Health of Chicanas and Latinas (SB & C)
PHI 306: Applied Ethics (HU)	JMC 412: Opinion Writing	TCL 327: Health and Migration (SB)
	JMC 413: Advanced Editing	TCL 342: Social Demographics of Latino Populations (SB & C)
	JMC 414: Digital Graphic Design	TCL 410: Race, Medicine, and the Body (L)
	JMC 421: Advanced Digital Storytelling	TCL 422: U.S.-Mexico Border Health
	JMC 430: Sports Marketing and Campaigns	TCL 424: Theory and Practice of Community Development and Health (SB)
	JMC 434: Advanced Bilingual Reporting	TCL 443: Political Ecology of the Border (SB & G)
	JMC 437: Documentary Production	TCL 447: Gender, Culture, and Development ((L or SB) & G)
	JMC 440: Magazine Writing	TCL 484: Internship
	JMC 441: Narrative Writing and Reporting.	
	JMC 451: Photojournalism II	
	JMC 453: Reporting on Business and the Economy	
	JMC 455: Digital Media Entrepreneurship	
	JMC 457: Advanced Radio Reporting	
	JMC 460: Advanced Online Media	
	JMC 465: Telling Stories with Data	
	JMC 477: New Media Innovation and Entrepreneurship Lab	
	JMC 478: Cronkite News: Los Angeles	
	JMC 478: Cronkite News: Phoenix Bureau	
	JMC 479: Cronkite News: Washington Bureau	
	JMC 485: Television Magazine	
	JMC 486: Digital Audiences Lab	
	JMC 487: Howard Center for Investigative Journalism	
<b>JMC Professional Program Courses</b>		
	JMC 477: New Media Innovation and Entrepreneurship Lab	
	JMC 478: Cronkite News: Los Angeles	
	JMC 478: Cronkite News: Phoenix Bureau	
	JMC 479: Cronkite News: Washington Bureau	
	JMC 485: Television Magazine	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 129

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map






### Journalism and Mass Communication, BA

School/College: [Walter Cronkite School of Journalism and Mass Comm](#)

Location:  
CSJMCBA

and  
Transborder  
Chicana/o  
and  
Latina/o  
Studies (US  
and  
Mexican  
Regional  
Immigration  
Policy and  
Economy),  
BA

[The College of Liberal Arts and Sciences](#)  
LATCLUBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Majors are expected to fulfill The College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper-division Spanish course.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	

❖ JMC 201: News Reporting and Writing (L)	3	C
.....		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C
.....		
JMC 305: Multimedia Journalism	3	C
.....		
STP 226: Elements of Statistics (CS)	3	
.....		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
.....		
❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
.....		
❖ Minimum 2.50 GPA ASU Cumulative.		
.....		
Term hours subtotal:	16	

- Select your **career interest area** and play **me3@ASU**
- Develop your **professional online presence**

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
❖ JMC 301: Intermediate Reporting and Writing (L)	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
U.S. and Mexican Regional Immigration Policy and Economy Track Course	3	C	
.....			
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
.....			
❖ Complete First-Year Composition requirement.			
❖ Complete Mathematics (MA) requirement.			
❖ Minimum 2.50 GPA ASU Cumulative.			
.....			
Term hours subtotal:	16		

Term 4 48 - 65 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Complete Spanish language proficiency by end of semester 4 for The College requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) General Studies requirement.</li> <li>• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.</li> </ul>
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
.....			
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..	4	C	
.....			
Natural Science - Quantitative (SQ)	4		
.....			
❖ Minimum 2.50 GPA ASU Cumulative.			
.....			
Term hours subtotal:	17		

Term 5 65 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism	3	C	
.....			
★ TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB)	3	C	
.....			
JMC 435: Latino and Transnational Issues	3	C	
.....			

TCL 332: Mexican American History Since 1900 (SB & H & C) OR  
HST 332: Mexican American History Since 1900 (SB & H & C) 3 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ JMC 402: Mass Communication Law 3 C

• Explore an **internship**

★ TCL 304: Transborder Research Methods (SB & C) 3 C

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) OR SOC 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) 3 C

JMC 470: Depth Reporting 3 C

POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB) 3

SPA Upper Division Elective 3 C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 18

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division JMC Professional Program Course 3 C

• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.

★ TCL 305: Transborder Practicum and Field Research 3 C

JMC 484: Internship 3 Y

Philosophy Course AND Humanities, Arts and Design (HU) 3

U.S. and Mexican Regional Immigration Policy and Economy Track Course 3 C

• Gather **professional references**

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TCL 498: Pro-Seminar 3 C

• Professional programs require placement. Please consult your academic advisor.

ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) 3

• Apply for **full-time career opportunities**

Upper Division JMC Advanced Skills Course 3 C

Complete 2 courses:

U.S. and Mexican Regional Immigration Policy and Economy Track Course 6 C

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

- Students must complete 15 credit hours from the U.S. and Mexican Regional Immigration Policy and Economy Track.

- Students must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Hide Course List(s)/Track Group(s)

Philosophy Course	U.S. and Mexican Regional Immigration Policy and Economy Track	JMC Advanced Skills Course
HON 171: The Human Event (L or HU)	TCL 315: Latinx Family Structures (SB)	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)	TCL 327: Health and Migration (SB)	JMC 330: Television Reporting
PHI 103: Principles of Sound Reasoning (L or HU)	TCL 331: Mexican American History to 1900 (SB & H & C)	JMC 333: Advanced Bilingual Broadcast Reporting
PHI 105: Intro to Ethics (HU)	TCL 335: Historical Studies in Race, Crime, and the Law	JMC 351: Photojournalism I
PHI 306: Applied Ethics (HU)	TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)	JMC 412: Opinion Writing
	TCL 341: Latinas/os and the City (C)	JMC 413: Advanced Editing
	TCL 342: Social Demographics of Latino Populations (SB & C)	JMC 414: Digital Graphic Design
	TCL 377: Arizona, Immigration, Latinos and Politics	JMC 421: Advanced Digital Storytelling
	TCL 443: Political Ecology of the Border (SB & G)	JMC 430: Sports Marketing and Campaigns
	TCL 444: The Ethnography of Mexico and the Borderlands (SB & G)	JMC 434: Advanced Bilingual Reporting
	TCL 484: Internship	JMC 437: Documentary Production
		JMC 440: Magazine Writing
		JMC 451: Photojournalism II
		JMC 453: Reporting on Business and the Economy
		JMC 455: Digital Media Entrepreneurship
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Los Angeles
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 479: Cronkite News: Washington Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab
		JMC 487: Howard Center for Investigative Journalism
<b>JMC Professional Program Courses</b>		
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Los Angeles
		JMC 478: Cronkite News: Phoenix Bureau

JMC 479: Cronkite News: Washington Bureau

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JMC 485: Television Magazine

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JMC 486: Digital Audiences Lab

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JMC 487: Howard Center for Investigative  
Journalism

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 129

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map





### Journalism and Mass Communication, BA



School/College: Walter Cronkite School of Journalism and Mass Comm

Location:  
CSJMCBA

and  
Transborder  
Chicana/o  
and  
Latina/o  
Studies  
(Media and  
Expressive  
Culture),  
BA

The College of Liberal Arts and Sciences  
LATCLMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Majors are expected to fulfill The College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper-division Spanish course.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> <li>Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	



JMC 305: Multimedia Journalism	3	C
STP 226: Elements of Statistics (CS)	3	
Second Language: Requirement satisfied through the following:		
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
♦ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
♦ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16

Term 3 32 - 48 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	• Build your professional connections -- join the ASU Mentor Network
♦ TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) & C)	3	C	
♦ JMC 301: Intermediate Reporting and Writing (L)	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
♦ Complete First-Year Composition requirement.			
♦ Complete Mathematics (MA) requirement.			
♦ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 4 48 - 65 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	• Complete Spanish language proficiency by end of semester 4 for The College requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) General Studies requirement. • Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following:			
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..	4	C	
♦ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 5 65 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism	3	C	• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
★ TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB)	3	C	
JMC 435: Latino and Transnational Issues	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 402: Mass Communication Law	3	C	• Explore an <b>internship</b>
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
JMC 470: Depth Reporting	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
Media and Expressive Culture Track Course	3	C	
SPA Upper Division Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research	3	C	• Gather <b>professional references</b>
★ Upper Division JMC Professional Program Course	3	C	
JMC 484: Internship	3	Y	
Media and Expressive Culture Track Course	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Professional programs require placement. Please consult your academic advisor. • Apply for <b>full-time career opportunities</b> .
Upper Division JMC Advanced Skills Course	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Complete 2 courses:			
Media and Expressive Culture Track Course	6	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

- Students must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.
- Students must complete 15 credit hours from the Media and Expressive Culture Track.

Hide Course List(s)/Track Group(s)

Philosophy Course

JMC Professional Program Courses  
Academic Catalog Archive 2021-2022

JMC Advanced Skills Course

HON 171: The Human Event (L or HU)	JMC 477: New Media Innovation and Entrepreneurship Lab	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)	JMC 478: Cronkite News: Los Angeles	JMC 330: Television Reporting
PHI 103: Principles of Sound Reasoning (L or HU)	JMC 478: Cronkite News: Phoenix Bureau	JMC 333: Advanced Bilingual Broadcast Reporting
PHI 105: Intro to Ethics (HU)	JMC 479: Cronkite News: Washington Bureau	JMC 351: Photojournalism I
PHI 306: Applied Ethics (HU)	JMC 485: Television Magazine	JMC 412: Opinion Writing
	JMC 486: Digital Audiences Lab	JMC 413: Advanced Editing
	JMC 487: Howard Center for Investigative Journalism	JMC 414: Digital Graphic Design
		JMC 421: Advanced Digital Storytelling
		JMC 430: Sports Marketing and Campaigns
		JMC 434: Advanced Bilingual Reporting
		JMC 437: Documentary Production
		JMC 440: Magazine Writing
		JMC 441: Narrative Writing and Reporting.
		JMC 451: Photojournalism II
		JMC 453: Reporting on Business and the Economy
		JMC 455: Digital Media Entrepreneurship
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Los Angeles
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 479: Cronkite News: Washington Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab
		JMC 487: Howard Center for Investigative Journalism

#### Media and Expressive Culture Track

TCL 211: Latinx Poetics (HU & C)

TCL 310: Folklore of the Southwest (HU & C)

TCL 328: U.S. Latino Religion and Culture (HU & C)

TCL 331: Mexican American History to 1900 (SB & H & C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 350: Mexican and Chicana/o Artistic Production (HU & C & G)

TCL 351: Chicana/o and Latina/o Art (HU & C)

TCL 352: Chicana/o Film (C)

TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU)

TCL 464: Latina/o Literature ((L or HU) & C)

TCL 471: Latinos In Hollywood (HU & C)

TCL 484: Internship

TCL 485: Chicana and Latina Writers ((L or HU) & C)

TCL 490: Transborder Queer Performativity (HU & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 129

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Journalism and Mass Communication, BA

School/College: Walter Cronkite School of Journalism and Mass Comm

Location:  
CSJMCBA











and

Geography

(Meteorology-Climatology),

BS

The College of Liberal Arts and Sciences  
LAGCUMBS

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students should take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
 MAT 170: Precalculus (MA)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
JMC 120: Studio Production	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		
Term 2 17 - 35 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GPH 111: Introduction to Physical Geography (SQ)	3	C	<ul style="list-style-type: none"> <li>Select your <b>career interest area</b> and play me3@ASU</li> </ul>
 GPH 112: Introduction to Physical Geography Lab (SQ)	1	C	
 JMC 201: News Reporting and Writing (L)	3	C	
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 18

Term 3 35 - 53 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ JMC 301: Intermediate Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> <li>• Develop your <b>skills</b></li> </ul>
◆ JMC 305: Multimedia Journalism	3	C	
◆ MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
◆ PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
◆ Complete First-Year Composition requirement.			
◆ Minimum 2.50 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	18		

Term 4 53 - 71 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>• Students should consult with an academic adviser to determine a journalism path and appropriate course selections for JMC Advanced Skill courses.</li> </ul>
◆ PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
JMC 345: Videography	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent). AND Global Awareness (G)	4	C	
◆ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 5 71 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JMC 330: Television Reporting	3	C	<ul style="list-style-type: none"> <li>• GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)</li> <li>• GPH 314 meets the upper division science and society requirement</li> <li>• Explore an <b>internship</b></li> </ul>
GPH 212: Introduction to Meteorology (SQ)	3	C	
GPH 314: Global Change (HU & G)	3		
GPH 409: Synoptic Meteorology I	4	C	
JMC 402: Mass Communication Law	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 87 - 103 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JMC 484: Internship	3	Y	

GPH 213: Climate and Weather (SG) OR Science and Society Elective	3	C
GPH 410: Synoptic Meteorology II	4	C
GPH 412: Physical Meteorology	3	C
Upper Division JMC Advanced Skills Course	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- GPH 410 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course)
- GPH 412 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course)
- Advanced Skills Course should be selected in consultation with your academic advisor
- The Science and Society course list is found [here](#).

Term 7 103 - 121 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 478: Cronkite News: Phoenix Bureau	3	C	<ul style="list-style-type: none"> <li>• GPH 474 is offered once every two years--during the Fall semester of even-numbered years (so it may be a Term 5 course)</li> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> </ul>
GIS 270: Statistics for Geography and Planning	3	C	
GPH 474: Dynamic Meteorology I	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SOC 101: Introductory Sociology (SB) OR PSY 101: Introduction to Psychology (SB)	3		
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 8 121 - 139 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH 475: Dynamic Meteorology II	3	C	<ul style="list-style-type: none"> <li>• GPH 475 is offered once every two years--during the Spring semester of odd-numbered years (so it may be a Term 6 course)</li> </ul>
★ JMC 473: The Business and Future of Journalism	3	C	
★ JMC OR MCO Upper Division Elective	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
GIS 205: Geographic Information Science I (CS)	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

- Advanced Skills course should be selected in consultation with academic advisor.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Philosophy	U.S. History	Advanced Skills Courses
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HON 171: The Human Event (L or HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)		JMC 351: Photojournalism I
PHI 103: Principles of Sound Reasoning (L or HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	JMC 412: Opinion Writing
PHI 105: Intro to Ethics (HU)	HST 334: African American History Since 1865 ((HU or SB) & C & H)	JMC 413: Advanced Editing
PHI 306: Applied Ethics (HU)	HST 337: American Indian History to 1900 ((HU or SB) & C & H)	JMC 414: Digital Graphic Design
	HST 338: American Indian History since 1900 ((HU or SB) & C & H)	JMC 421: Advanced Digital Storytelling
		JMC 430: Sports Marketing and Campaigns
		JMC 434: Advanced Bilingual Reporting
		JMC 437: Documentary Production
		JMC 440: Magazine Writing
		JMC 441: Narrative Writing and Reporting.
		JMC 451: Photojournalism II
		JMC 453: Reporting on Business and the Economy
		JMC 455: Digital Media Entrepreneurship
		JMC 457: Advanced Radio Reporting
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 470: Depth Reporting
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Los Angeles
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 479: Cronkite News: Washington Bureau
		JMC 480: Cronkite News: Phoenix Sports Bureau
		JMC 481: Cronkite News: Los Angeles Sports Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab
		JMC 487: Howard Center for Investigative Journalism

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.



**Total Hours:** 139  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Mass Communication and Media Studies, BA

School/College: [Walter Cronkite School of Journalism and Mass Comm](#)



Location: [Online, ASU Local@Los Angeles](#)

CSMCMSTBA



#### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-ONL: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MCO 120: Media and Society (SB)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Create a first draft <a href="#">resume</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Mathematics (MA) ( MAT 142 recommended)	3		
Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours	Hours	Minimum Grade	Notes
MCO Elective	3	C	

Computer/Statistics/Quantitative Applications (CS) 3

• Develop your skills


Term hours subtotal: 6

Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ) 4

Elective 3

 Complete First-Year Composition requirement.

 Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 Literacy and Critical Inquiry (L) 3

Elective 3

Term hours subtotal: 6

Term 4 - B 44 - 51 Credit Hours	Hours	Minimum Grade	Notes
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Natural Science - General (SG) OR Natural Science - Quantitative (SQ) 4

Elective 3

Term hours subtotal: 7

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 Upper Division Mass Communication Elective 3 C

Upper Division Elective 3

Term hours subtotal: 6

• Develop your professional online presence

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 Upper Division Mass Communication Elective 3 C

Global Awareness (G) 3

Term hours subtotal: 6

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 Upper Division Mass Communication Elective 3 C

Elective 3


Term hours subtotal: 6

• Use Handshake to research employment opportunities

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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Upper Division Literacy and Critical Inquiry (L) 3

Elective 3

 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 Upper Division Mass Communication Elective 3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Term hours subtotal:	6

- Complete an in person or virtual **practice interview**

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	• Gather <b>professional references</b>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	• Apply for <b>full-time career opportunities</b>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

- Mass Communication Elective
- MCO 302: Media Research Methods
- MCO 307: The Digital Audience

MCO 335: Social Media

MCO 366: Media Ethics and Diversity

MCO 403: Media Law

MCO 418: History of Mass Communication  
(SB & H)

MCO 425: Digital Media Literacy I

MCO 426: Digital Media Literacy II

MCO 427: Misinformation and Society

MCO 428: Digital Media and Freedom of  
Expression in the 21st Century

MCO 430: International Mass Communication  
(G)

MCO 431: Media Entrepreneurship

MCO 433: Social Media Campaigns,  
Engagement and Research

MCO 434: Search Engine Research and  
Strategy

MCO 438: Digital Audience Analysis

MCO 450: Visual Communication (HU)

MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)

MCO 465: Sports and Media

MCO 470: Exploring the Business of  
Journalism

MCO 473: Sex, Love, and Romance in the  
Mass Media (SB)

MCO 494: Special Topics

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Sports Journalism, BA

School/College: Walter Cronkite School of Journalism and Mass Comm

Location: Downtown Phoenix campus

CSSPJBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year and transfer students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students should take a placement exam.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
Mathematics (MA)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@asu">me3@ASU</a></li> <li>Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 306: Sports Multimedia Journalism	3	C	
Statistics Course AND Computer/Statistics/Quantitative Applications (CS)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 32 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 302: Sports Reporting	3	C	
JMC 367: Ethics and Diversity in Sports Journalism	3	C	

POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3	
Natural Science - Quantitative (SQ)	4	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	17	

- Students interested in Public Relations should contact their academic adviser to review course recommendations.
- Courses you are taking now will impact your eligibility for certain Professional Programs. Please consult with your academic adviser to make sure you are on the right track to achieve your goal.

Term 4 49 - 65 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ JMC 313: Introduction to Editing OR JMC 346: Sports Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	<ul style="list-style-type: none"> <li>• Students interested in JMC 481 Cronkite News - Los Angeles Sports Bureau should enroll in JMC 346.</li> <li>• Related Area courses must be approved by an academic adviser.</li> <li>• Explore careers and internship opportunities through <a href="#">Cronkite Career Services</a></li> </ul>
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. AND Global Awareness (G)	4	C	
❖ Complete JMC 306 AND JMC 367 course(s).			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 65 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 331: Television Sports Reporting OR JMC 430: Sports Marketing and Campaigns	3	C	<ul style="list-style-type: none"> <li>• Sports Advanced Skills course should be selected in consultation with academic adviser.</li> <li>• Students interested in JMC 481 Cronkite News - Los Angeles Sports Bureau should enroll in JMC 331.</li> <li>• Related Area courses must be approved by an academic adviser.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
JMC 474: Advanced Issues in 21st-Century Sports and Media	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Cultural Diversity in the U.S. (C)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 80 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Advanced Skills Course	3	C	<ul style="list-style-type: none"> <li>• Advanced Skills course should be selected in consultation with academic adviser.</li> <li>• Related Area courses must be approved by an academic adviser.</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> </ul>
★ JMC 402: Mass Communication Law	3	C	
JMC 484: Internship	3	Y	
Related Area Course	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
★ Minimum 2.50 GPA ASU Cumulative.			



★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s).

Term hours subtotal: 16

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 480: Cronkite News: Phoenix Sports Bureau OR JMC 481: Cronkite News: Los Angeles Sports Bureau	3	C	<ul style="list-style-type: none"> <li>Professional Programs require placement and can be completed in fall or spring. Consult with your academic adviser to review your eligibility for certain programs.</li> <li>Students interested in additional Professional Program credit can apply it toward their JMC or MCO Upper Division Elective. Consult with your academic adviser for more information.</li> <li>Related Area courses must be approved by an academic adviser.</li> </ul>
JMC OR MCO Upper Division Elective	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
Related Area Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MCO Upper Division Elective ( MCO 420 OR MCO 465 recommended)	3	C	<ul style="list-style-type: none"> <li>Related Area courses must be approved by an academic adviser</li> </ul>
JMC OR MCO Upper Division Elective	3	C	
Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- Advanced Skills course should be selected in consultation with academic advisor

Hide Course List(s)/Track Group(s)

Statistics (CS)	Philosophy	U.S. History
ECN 221: Business Statistics (CS)	HON 171: The Human Event (L or HU)	HST 109: United States to 1865 ((HU or SB) & H)
JUS 302: Statistical Analysis for Justice Studies (CS)	PHI 101: Introduction to Philosophy (HU)	HST 314: American Cultural History Since 1865 ((HU or SB) & H)
PSY 230: Introduction to Statistics (CS)	PHI 103: Principles of Sound Reasoning (L or HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)
SOC 390: Social Statistics I (CS)	PHI 105: Intro to Ethics (HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
STP 226: Elements of Statistics (CS)	PHI 306: Applied Ethics (HU)	HST 334: African American History Since 1865 ((HU or SB) & C & H)
SWU 321: Statistics for Social Workers (CS)		HST 337: American Indian History to 1900 ((HU or SB) & C & H)
		HST 338: American Indian History since 1900 ((HU or SB) & C & H)

## Advanced Skills Courses

JMC 320: Newscast Producing

JMC 331: Television Sports Reporting

JMC 333: Advanced Bilingual Broadcast Reporting

JMC 352: Sports Photojournalism

JMC 413: Advanced Editing

JMC 414: Digital Graphic Design

JMC 415: Writing for Public Relations

JMC 421: Advanced Digital Storytelling

JMC 430: Sports Marketing and Campaigns

JMC 434: Advanced Bilingual Reporting

JMC 436: Public Relations Research

JMC 437: Documentary Production

JMC 440: Magazine Writing

JMC 441: Narrative Writing and Reporting.

JMC 451: Photojournalism II

JMC 455: Digital Media Entrepreneurship

JMC 457: Advanced Radio Reporting

JMC 460: Advanced Online Media

JMC 465: Telling Stories with Data

JMC 470: Depth Reporting

JMC 477: New Media Innovation and Entrepreneurship Lab

JMC 478: Cronkite News: Los Angeles

JMC 478: Cronkite News: Phoenix Bureau

JMC 479: Cronkite News: Washington Bureau

JMC 480: Cronkite News: Phoenix Sports Bureau

JMC 481: Cronkite News: Los Angeles Sports Bureau

JMC 485: Television Magazine

JMC 486: Digital Audiences Lab

JMC 487: Howard Center for Investigative Journalism

### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Actuarial Science, BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAACTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	B	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>It is suggested that students complete both ECN 211 and 212 to satisfy the SB General Studies requirement as well as the VEE Requirement sequence for Economics by the Society of Actuaries (SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA).</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	B	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) ( ECN 211 recommended)	3		
Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ACT 201: Introduction to Elements and Techniques of Actuarial Science	3	B	<ul style="list-style-type: none"> <li>Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.</li> <li>It is suggested that students complete both ECN 211 and 212 to satisfy the SB General Studies requirement as well as the VEE Requirement sequence for Economics by the Society of Actuaries (SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA).</li> <li>COM 225 is recommended to satisfy the Literacy and Critical Inquiry ("L") General Studies requirement.</li> <li>Join <b>Gamma Iota Sigma Kappa</b> chapter.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	B	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Literacy and Critical Inquiry (L) ( COM 225 recommended)	3		
Social-Behavioral Sciences (SB) ( ECN 212 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	B	<ul style="list-style-type: none"> <li>Meet with your academic advisor to discuss summer <b>internship</b> and Research Opportunities for Undergraduates (REU).</li> <li>Options for the Science and Society electives are found at this <a href="#">website</a>.</li> </ul>
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Maintain 3.50 GPA in Critical Tracking Courses.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MAT 343: Applied Linear Algebra	3	B	<ul style="list-style-type: none"> <li>Meet with your academic advisor to discuss options for adding a minor, certificate or concurrent major to your degree program.</li> <li>Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>Students seeking VEE accreditation, select an elective from the course list in the note at the bottom of the major map.</li> </ul>
MAT 300: Mathematical Structures (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACT 410: Mathematics of Finance	4	B	<ul style="list-style-type: none"> <li>Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
★ ACT 415: Probability for Risk Management	3	B	
★ MAT 371: Advanced Calculus I	3	C	
★ STP 420: Introductory Applied Statistics (CS)	3	B	
Cultural Diversity in the U.S. (C)	3		
Maintain 3.00 GPA in Major Courses.			
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACT 301: Risk Management and Insurance (SB)	3	B	<ul style="list-style-type: none"> <li>Meet with a career counselor from ASU Career Services for a review of your <b>resume</b> and interviewing tips for success.</li> <li>Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>Options for the Science and Society electives are found at this <a href="#">website</a>.</li> </ul>
★ ACT 370: R and Excel for Actuaries	3	B	
★ STP 427: Mathematical Statistics	3	B	
Upper Division Science and Society Elective	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 3.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 91 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACT 430: Mathematics of Financial Derivatives	4	B	<ul style="list-style-type: none"> <li>Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>Develop your <b>professional online presence</b>.</li> <li>Students seeking VEE accreditation, select elective from the course list in the note at the bottom of the major map.</li> </ul>
★ ACT 435: Statistics for Risk Modeling	3	B	
★ ACT 440: Long-Term Actuarial Mathematics I	3	C	
★ ACT 450: Actuarial Models and Modeling I	3	C	
Elective OR ACT 484: Internship	3		
Maintain 3.00 GPA in Major Courses.			
Term hours subtotal:	16		

		Minimum	
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Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ ACT 420: Ratemaking and Reserving	3	B	<ul style="list-style-type: none"> <li>• Meet with your academic advisor for final degree check and apply for graduation through your My ASU.</li> <li>• Students seeking VEE Accreditation, select an elective from the course list in the note at the bottom of the major map.</li> </ul>
★ ACT 441: Long-Term Actuarial Mathematics II	3	C	
★ ACT 451: Actuarial Models and Modeling II	3	C	
★ ACT 491: Actuarial Exam Preparation Seminar	1	Y	
Elective	3		
Maintain 3.00 GPA in Major Courses.			
Term hours subtotal:		13	

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- The object of the degree is to prepare students to sit for exams to gain certification as an actuary. One of the optional certifications that individuals may pursue is completion of the VEE requirements from the Society of Actuaries or the Casualty Actuarial Society. This certification requires additional experience not covered in the maximum credits allowed for the degree.

However, students may decide to include these additional courses in their 12 hours of elective credit. ASU courses that meet VEE requirements include:

- STP 427 - requirement for Mathematical Statistics (Prerequisite(s): ACT 415 or STP 421 with C or better; STP 281 or 420 with C or better)
- ECN 211 and ECN 212 - sequence requirement for Economics
- FIN 300 - requirement for Fundamentals of Finance (Prerequisite(s) with C or better: ACC 231, 232 or 261; ECN 212; ECN 221, ECN 231, IEE 380 or STP 280; MAT 211, 266 or 271; Non-Business: min 2.50 GPA; min 56 hours; Pre- or corequisite(s): ACC 241, 242 or 271; Credit allowed for only FIN 300, 302 or 303)

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### African and African American Studies, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAAFRBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AFR 200: Introduction to Africana Studies (SB & G & H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Courses	3	C	<ul style="list-style-type: none"> <li>Activate your <a href="#">Handshake account</a> and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AFR Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		



Elective	3
.....	
📌 Complete First-Year Composition requirement.	
.....	
📌 Complete Mathematics (MA) requirement.	
.....	
Term hours subtotal:	16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 📌	Hours	Minimum Grade	Notes
📌 AFR 300: Precolonial Africa (SB & G & H)	3	C	• Explore an <b>internship</b>
Upper Division Related Area Courses	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H)	3	C	• Develop your <b>professional online presence</b>
AFR Upper Division Elective	3	C	
Upper Division Related Area Courses	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses: AFR Upper Division Elective	6	C	
Upper Division Related Area Courses	3	C	
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AFR 428: Critical Race Theory	3	C	• Gather <b>professional references</b>
Upper Division Related Area Courses	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective OR AFR 484: Internship	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AFR 498: Pro-Seminar (L)	3	C	
AFR Upper Division Elective	3	C	
Upper Division Elective	3		
Complete 2 courses:			

- African Studies and Related Area Courses: To see a complete list of available courses schedule an appointment with an advisor in the School of Social Transformation. The following is a sample of the courses that will qualify for these areas.

## Hide Course List(s)/Track Group(s)

## Related Area Courses

AFR 202: Immigration and Ethnic Relations in the U.S. (SB & C)

AFR 210: Introduction to African American Studies (C)

AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU & G)

AFR 300: Precolonial Africa (SB & G & H)

AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H)

AFR 330: Survey of African American Politics (SB & H)

AFR 335: Historical Studies in Race, Crime, and the Law

AFR 336: African Art (HU & G)

AFR 350: Inequality and Diversity in Education (L & C)

AFR 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

AFR 364: African American History Since 1865 ((HU or SB) & C & H)

AFR 365: Unruly Voices: Black Women and Cultural Narratives (HU & C)

AFR 370: Family Ethnic and Cultural Diversity (SB & C)

AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G)

AFR 375: Race, Gender and Sport (SB & C)

AFR 383: Blacks in Science, Medicine and Public Health

AFR 420: Race Ethnicity and Politics in the African Diaspora (SB & G)

AFR 428: Critical Race Theory

AFR 465: Harlem Renaissance: a Cultural  
History: 1877-1945

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AFR 470: Women's International Human  
Rights

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AFR 480: Different Voices Within  
Contemporary Islamic Discourse

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
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**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

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**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### African and African American Studies, BA



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)

LAAFRBA


Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
AFR 200: Introduction to Africana Studies (SB & G & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		




Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Activate your <b>Handshake account</b> and build our your profile.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		



Term 2 - A 16 - 23 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Courses	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 AFR Elective	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Term hours subtotal:	7	

Term 3 - B 37 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	8		

Term 4 - A 45 - 54 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AFR 300: Precolonial Africa (SB & G & H)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
Term hours subtotal:	9		

Term 4 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Courses	3	C	• Explore an <b>internship</b> .
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 5 - A 60 - 67 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H)	3	C	• Develop your <b>professional online presence</b>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - B 67 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AFR Upper Division Elective	3	C	
Upper Division Related Area Courses	3	C	
Elective	2		
Term hours subtotal:	8		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			
AFR Upper Division Elective	6	C	
Elective	3		
Term hours subtotal:	9		

Term 6 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ Upper Division Related Area Courses	3	C
Elective	3	
.....		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AFR 428: Critical Race Theory	3	C	• Gather professional references.
Complete 2 courses:	6		
Elective			
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Related Area Courses	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AFR 498: Pro-Seminar (L)	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AFR Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- African Studies and Related Area Courses: To see a complete list of available courses schedule an appointment with an advisor in the School of Social Transformation. The following is a sample of the courses that will qualify for these areas.

Hide Course List(s)/Track Group(s)

Related Area Courses
AFR 210: Introduction to African American Studies (C)
AFR 336: African Art (HU & G)
AFR 350: Inequality and Diversity in Education (L & C)
AFR 370: Family Ethnic and Cultural Diversity (SB & C)
AFR 375: Race, Gender and Sport (SB & C)
AFR 465: Harlem Renaissance: a Cultural History: 1877-1945

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### American Indian Studies, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAAISBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AIS 180: Introduction to American Indian Studies (C)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career</b> interest and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AIS 280: American Indian Sovereignty and the Courts (H & C)	3	C	<ul style="list-style-type: none"> <li>Students are encouraged to consult with their academic advisor regarding the possibility of using elective hours toward completion of a certificate, minor or concurrent major that may complement the BS in American Indian Studies.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AIS Emphasis Area Course	3	C	<ul style="list-style-type: none"> <li>Students are encouraged to take AIS 294: Readings and Writings in American Indian Studies as a prerequisite to success in upper-division courses in the major.</li> <li>Students should choose 18 hours in one of two emphasis areas shown in the track groups below. At least 12 hours must be taken at the upper-division level. Other courses in the AIS prefix may be used toward the emphasis area with prior approval of the academic advisor.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		



Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ AIS 285: Federal Indian Policy (H & C)	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b>.</li> </ul>
⚠ AIS Emphasis Area Course	3	C	
Science and Society Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AIS 380: Contemporary Issues of American Indian Nations (C)	3	C	<ul style="list-style-type: none"> <li>• AIS 380 is offered in Fall semesters only</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division AIS Emphasis Area Course	3	C	
Upper Division Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AIS 370: American Indian Languages and Cultures (C)	3	C	<ul style="list-style-type: none"> <li>• AIS 370 is offered in Spring semesters only</li> <li>• Develop your <b>professional online presence</b></li> </ul>
JUS 302: Statistical Analysis for Justice Studies (CS)	3	C	
Upper Division AIS Emphasis Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AIS 420: American Indian Studies Research Methods (L)	3	C	<ul style="list-style-type: none"> <li>• For the Upper Division Emphasis Area Course: AIS 484 <b>Internship</b> is strongly recommended in either term 7 or 8.</li> <li>• Research <b>employment opportunities</b></li> <li>• AIS 420 is offered in Fall semesters only</li> </ul>
Upper Division AIS Emphasis Area Course	3	C	
Upper Division Elective OR AIS 484: Internship	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ AIS 498: Pro-Seminar (L)	3	C	<ul style="list-style-type: none"> <li>• For the Upper Division Emphasis Area Course: AIS 484 Internship is strongly recommended in either term 7 or 8.</li> <li>• AIS 498 is offered Spring semesters only.</li> </ul>
Upper Division AIS Emphasis Area Course	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	12		

- Students must choose 18 credit hours in one of two emphasis areas shown in the track groups below. At least 12 credit hours must be taken at the upper-division level. Other courses in the AIS prefix may be used toward the emphasis area with prior approval of the academic advisor.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Legal Policy, Community and Economic Development Emphasis Area	Arts, Languages and Cultures Emphasis Area
AIS 360: Issues in Urban Indian Country (C)	AIS 101: Beginning Navajo I
AIS 455: Human Rights and Cultural Resource Laws	AIS 102: Beginning Navajo II
AIS 470: Tribal Governance	AIS 320: American Indian Philosophies and World Views (HU & C)
AIS 480: Actualizing Decolonization (HU & C & G)	AIS 360: Issues in Urban Indian Country (C)
AIS 484: Internship	AIS 381: American Indian Women (C)
AIS 494: American Indian Rights	AIS 394: American Indian & Indigenous Film
AIS 494: Crime in Indian Country	AIS 201: Intermediate Navajo I
AIS 494: Indigenous Media and Image-Making	AIS 202: Intermediate Navajo II
AIS 499: Individualized Instruction	AIS 394: Reservation Economic Development
	AIS 440: Cultural Professionalism (C)
	AIS 480: Actualizing Decolonization (HU & C & G)
	AIS 484: Internship
	ENG 359: Indigenous American Literature ((L or HU) & C)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### American Studies, BA



School/College: [The College of Liberal Arts and Sciences](#)


Location: [Tempe campus](#)

LAAMRSTBA



Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 APA 210: Introduction to Ethnic Studies in the U.S. (C)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		



Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMS 201: Introduction to American Studies (L & C)	3	C	<ul style="list-style-type: none"> <li>Activate your <a href="#">Handshake account</a> and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Complete First-Year Composition requirement.			



 Complete Mathematics (MA) requirement

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Politics, Policies, and Social Movements Course	3	C	• Explore an <b>internship</b> .
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	5		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AFR 428: Critical Race Theory OR AMS 380: Race, Gender, and Class (SB & C) OR APA 352: Borders, Prisons and Suburbs (SB & C) OR TCL 303: Transborder Theory (SB)	3	C	• Develop your <b>professional online presence</b> .
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SST 301: Mixed Research Methods for American Communities	3	C	
Upper Division U.S. Arts, Media, and Culture Course	3	C	
Diversity, Inequality, and Social Justice Course	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AMS 498: Pro-Seminar (L) OR APA 493: Honors Thesis (L) OR SST 484: Internship OR SST 499: Individualized Instruction	3	C	• Gather <b>professional references</b> .
Upper Division Politics, Policies, and Social Movements Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Diversity, Inequality, and Social Justice Course	3	C	
Upper Division U.S. Arts, Media, and Culture Course	3	C	

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

U.S. Arts, Media, and Culture Courses	Politics, Policies, and Social Movements Courses	Diversity, Inequality, and Social Justice Courses
AFR 351: Gender and Hip Hop	AFR 302: History of Black Women in America (SB & H)	AFR 317: Genes, Race and Society (SB & H & C)
AMS 326: Popular Culture	AFR 330: Survey of African American Politics (SB & H)	AFR 460: Race, Gender, and Media (C)
AMS 336: The American Southwest in Literature and Film ((L or HU) & C)	AFR 365: Unruly Voices: Black Women and Cultural Narratives (HU & C)	AIS 180: Introduction to American Indian Studies (C)
AMS 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	AFR 465: Harlem Renaissance: a Cultural History: 1877-1945	AIS 360: Issues in Urban Indian Country (C)
AMS 420: Theatre in America (HU)	AIS 280: American Indian Sovereignty and the Courts (H & C)	AMS 332: Studies in Race and Ethnicity
APA 310: Asian Pacific American Arts and Cultures (HU & C)	AIS 285: Federal Indian Policy (H & C)	AMS 334: Class in America (SB)
APA 315: Asian Pacific American Literature (HU & C)	AMS 276: U.S. Women's Movements (H & C)	AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C)
APA 340: Asian Pacific Americans and Media (HU & C)	AMS 330: American Lives (HU & C)	AMS 450: Latina/os, Schooling and Social Inequality (C)
APA 345: Asian Pacific Americans and Film (HU & C & H)	AMS 412: Studies in American Politics and Law (H)	APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C)
TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	AMS 417: Religious Traditions of the American Southwest	APA 350: Inequality and Diversity in Education (L & C)
TCL 471: Latinos In Hollywood (HU & C)	AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H)	APA 360: Asian Pacific American Experience ((HU or SB) & C)
	JUS 235: Disability, Justice and Advocacy (C)	APA 450: Asian Pacific American Contemporary Issues (SB & C)
	SST 294: Introduction to LGBTQ History and Culture	JUS 437: The Social Construction of Disability and Justice
	TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)	WST 413: Queer Studies (HU & C)
	TCL 377: Arizona, Immigration, Latinos and Politics	
	WST 377: History of American Feminist Thought (H & C)	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Anthropology, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAASBBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>ASB 102: Introduction to Cultural Anthropology (SB &amp; G) OR ASM</p> <p> 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) &amp; G &amp; H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) &amp; G &amp; H)</p>	3-4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students must take ASB 102 and ASM 104. They will choose either ASB 222 or ASB 223.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
<p>ENG 101 or ENG 102: First-Year Composition OR</p> <p>ENG 105: Advanced First-Year Composition OR</p> <p>ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>LIA 101: Student Success in The College of Liberal Arts and Sciences</p>	1		
<p>Second Language: Requirement satisfied through the following:</p> <p>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.</p>	4	C	
<p>MAT 142: College Mathematics (MA)</p>	3	C	
<p>Maintain 2.00 GPA in Critical Tracking Courses.</p>			
<p>Term hours subtotal:</p>	14-15		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>ASB 102: Introduction to Cultural Anthropology (SB &amp; G) OR ASM</p> <p> 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) &amp; G &amp; H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) &amp; G &amp; H)</p>	3-4	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
<p>ENG 101 or ENG 102: First-Year Composition OR</p> <p>ENG 105: Advanced First-Year Composition OR</p> <p>ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>Second Language: Requirement satisfied through the following:</p> <p>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.</p>	4	C	
<p>Natural Science - Quantitative (SQ)</p>	4		
<p>Elective</p>	2		
<p> Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</p>			
<p>Maintain 2.00 GPA in Critical Tracking Courses.</p>			
<p>Term hours subtotal:</p>	16-17		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes



<p>❖ ASB 102: Introduction to Cultural Anthropology (SB &amp; G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) &amp; G &amp; H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) &amp; G &amp; H)</p>	4-3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Elective	3	
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:		14-13

- Secure a part-time job or volunteer experience.
- Develop your skills.

Term 4 44 - 59 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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<p>ASB 394: Statistics for Social Scientists OR ASM 465: Quantification and Analysis for Anthropologists (CS) OR ASM 494: Bayesian Statistics in Theory and Practice OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR SOC 390: Social Statistics I (CS)</p>	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Humanities, Arts and Design (HU)	3	
Literacy and Critical Inquiry (L)	3	
Elective	2	
Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:		15

- Explore an internship.

Term 5 59 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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<p>★ Upper Division Sociocultural Course</p>	3	C
Computer/Statistics/Quantitative Applications (CS)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Elective	3	
Term hours subtotal:		16

- Field school opportunities (archaeological and physical) can count toward major degree requirements. Talk with your advisor about available opportunities.
- Develop your professional online presence.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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<p>★ Upper Division Anthropology Practicum</p>	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Complete 3 courses:	9	
Upper Division Elective		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:		15

- Research employment opportunities.
- Complete an in person or virtual practice interview.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Physical/Evolutionary Anthropology Course	3	C
ASB OR ASM Upper Division Elective	3	C
<i>Complete 2 courses:</i>		
Upper Division Elective	6	
Elective	3	
Term hours subtotal:	15	

- Gather professional references.
- Apply for full-time career opportunities.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASB OR ASM Upper Division Elective	3	C	
Upper Division Archaeology Course	3	C	
<i>Complete 2 courses:</i>			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Anthropology Practicum	Archaeology Courses	Physical/Evolutionary Anthropology Courses
ASB 302: Ethnographic Field Study ((L or SB) & G)	ASB 301: Global History of Health (SB & G & H)	ASB 301: Global History of Health (SB & G & H)
ASB 389: Ethnographic Field Lab	ASB 326: Human Impacts on Ancient Environments (SB & H)	ASB 368: Hunter-Gatherers (SB)
ASB 395: Research Methods (SB & G)	ASB 330: Understanding Archaeology (SB)	ASB 394: Modeling Simulation Neglected Tropical Diseases
ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G)	ASB 333: Frauds, Myths and Mysteries ((HU or SB) & G)	ASB 408: Advanced Evolutionary Medicine
ASB 452: Community Partnerships for Global Health (SB)	ASB 335: Ancient Ruins of the Southwest (SB & H & C)	ASB 494: Applied Epidemiology
ASB 455: Practicum for Social Sciences (SB)	ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H)	ASB 494: Reproductive Ecology
ASB 484: Internship	ASB 361: Human Cultural Beginnings (H)	ASM 301: Peopling of the World (SB)
ASB 494: Access, Equity and Inclusion in Higher Education	ASB 362: People and Plants	ASM 313: Great Adaptations
ASB 499: Individualized Instruction	ASB 366: African Archaeology: Precolonial Urban Culture (SB & H)	ASM 332: Life and Death in Ancient Egypt
ASM 338: Anthropological Field Session	ASB 368: Hunter-Gatherers (SB)	ASM 338: Bioarchaeology and the Human Skeleton
ASM 338: Bioarchaeology and the Human Skeleton	ASB 490: Earliest Cities (SB & H)	ASM 341: Human Osteology
ASM 338: Field Archaeology & Geophysical Testing	ASM 338: Bioarchaeology and the Human Skeleton	ASM 342: Evolution of Human Behavior or BIO 327: Evolution of Human Behavior
ASM 341: Human Osteology	ASM 338: Field Archaeology & Geophysical Testing	ASM 344: Fossil Hominids
ASM 344: Fossil Hominids	ASM 350: Geoarchaeology	ASM 345: Disease and Human Evolution
ASM 365: Doing Archaeology	ASM 365: Doing Archaeology	ASM 394: Evolution and Medicine Visiting Speaker Recitation
ASM 414: Environmental Health (SB)	ASM 450: Bioarchaeology (SB & G)	ASM 401: Health and Human Biology
ASM 443: Primatology		ASM 403: Evolutionary Medicine and Global Health

ASM 452: Dental Anthropology (SG)

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ASM 443: Primatology

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ASM 446: Principles of Human Genetics (L)

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ASM 450: Bioarchaeology (SB & G)

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ASM 452: Dental Anthropology (SG)

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ASM 456: Infectious Disease and Human Evolution

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ASM 459: Forensic Anthropology

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ASM 460: Human Growth and Development: An Evolutionary Perspective

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ASM 465: Quantification and Analysis for Anthropologists (CS)

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ASM 494: Bayesian Statistics in Theory and Practice

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ASM 494: Evolution and Mental Disorders

---

ASM 494: Evolution of Technology

---

ASM 494: Models in Social Evolution

---

ASM 494: Social Complexity

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#### Sociocultural Courses

ASB 300: Food and Culture ((L or SB) & C)

---

ASB 302: Ethnographic Field Study ((L or SB) & G)

---

ASB 305: Poverty and Global Health ((L or SB) & G)

---

ASB 310: Precolonial Africa (SB & G & H)

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ASB 311: Principles of Social Anthropology (SB & G & H)

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ASB 316: Money and Culture (L or SB)

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ASB 319: The North American Indian

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ASB 322: Peoples of Latin America ((L or SB) & G)

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ASB 325: Peoples of Southeast Asia (G)

---

ASB 327: Disaster! ((L or SB) & C)

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ASB 336: African Art (HU & G)

---

ASB 339: Grassroots Social Movements (SB)

---

ASB 340: Migration and Culture (SB & G)

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ASB 342: Mexico-U.S. Borderlands (SB & C)

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ASB 343: Latinas/os and the Environment

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ASB 344: Technology and Society (L or SB)

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ASB 345: Culture and Society Transformation

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ASB 346: Marriage and Family Diversity (SB & C)

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ASB 348: The Borders of Language (L)

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ASB 350: Anthropology and Art (HU)

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ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)

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ASB 355: Traditional Medicine and Healing (HU or SB)

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ASB 356: Central American Studies (SB & G)

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ASB 357: Society, Drugs and Health (SB & G)

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ASB 358: The Yoruba and the Atlantic World

---

ASB 370: Ethics of Eating (L or SB)

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ASB 371: Language Hegemony and Culture

---

ASB 374: Cultures and Politics of the Internet (SB)

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ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G)

---

ASB 376: Global Health Policy

---

ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)

---

ASB 380: Language, Culture and Gender (SB)

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ASB 389: Ethnographic Field Lab

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ASB 394: Statistics for Social Scientists

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ASB 395: Topics in Comparative Culture (SB & G)

---

ASB 412: History of Anthropology (L or SB)

---

ASB 421: Education and Society (SB)

---

ASB 442: Global Cities (SB & G)

---

ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G)

---

ASB 452: Community Partnerships for Global Health (SB)

---

ASB 455: Practicum for Social Sciences (SB)

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ASB 457: Global Mental Health ((L or SB) & G)

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ASB 462: Medical Anthropology: Culture and Health (SB & C)

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ASB 463: Political Ecology of the Border (SB & G)

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ASB 464: The Ethnography of Mexico and the Borderlands (SB & G)

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ASB 466: Peoples and Cultures of Africa (SB & G)

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ASB 494: Ethnography of Schooling in the Borderlands

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ASB 494: Facing Immigration

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ASM 414: Environmental Health (SB)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map


### Anthropology, BA




School/College: [The College of Liberal Arts and Sciences](#)


Location: [Online, ASU Local@Los Angeles](#)

LAASBBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p> ASB 102: Introduction to Cultural Anthropology (SB &amp; G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) &amp; G &amp; H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG)</p>	3-4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.</li> <li>Select your <b>career interest area</b> and play me3@ASU.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7-8		
Term 1 - B 7 - 12 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Elective	2		
Term hours subtotal:	5		
Term 2 - A 12 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p> ASB 102: Introduction to Cultural Anthropology (SB &amp; G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) &amp; G &amp; H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG)</p>	3-4	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only those students with no experience with the language are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7-8		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course.</li> <li><b>Network</b> in your career interest area.</li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
		Minimum	

Term 3 - A 26 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	8		

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 41 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 394: Statistics for Social Scientists OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	C	<ul style="list-style-type: none"> <li>Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 4 - B 47 - 54 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	7		

Term 5 - A 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 5 - B 60 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Sociocultural Course	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 6 - A 66 - 72 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Term hours subtotal: 6

Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Anthropology Practicum	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		6	

Term 7 - A 78 - 84 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		• Research employment opportunities.
Upper Division Elective	3		
Term hours subtotal:		6	

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Physical/Evolutionary Anthropology Course	3	C	
Upper Division Elective	3		
Term hours subtotal:		6	

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASB OR ASM Upper Division Elective	3	C	• Complete an in person or virtual practice interview.
Upper Division Elective	3		
Term hours subtotal:		6	

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:		6	

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Archaeology Course	3	C	• Gather professional references.
Upper Division Elective	3		
Term hours subtotal:		6	

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:		6	

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASB OR ASM Upper Division Elective	3	C	• Apply for full-time career opportunities.
Upper Division Elective	3		
Term hours subtotal:		6	



Hide Course List(s)/Track Group(s)

Physical/Evolutionary Anthropology Courses	Anthropology Practicum	Archaeology Courses
ASB 301: Global History of Health (SB & G & H)	ASB 395: Research Methods (SB & G)	ASB 301: Global History of Health (SB & G & H)
ASB 408: Advanced Evolutionary Medicine	ASB 452: Community Partnerships for Global Health (SB)	ASB 330: Understanding Archaeology (SB)
ASM 301: Peopling of the World (SB)	ASB 455: Practicum for Social Sciences (SB)	ASB 333: Frauds, Myths and Mysteries ((HU or SB) & G)
ASM 345: Disease and Human Evolution	ASB 484: Internship	ASB 335: Ancient Ruins of the Southwest (SB & H & C)
ASM 403: Evolutionary Medicine and Global Health	ASM 414: Environmental Health (SB)	ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H)
ASM 443: Primatology	ASM 443: Primatology	ASB 362: People and Plants
ASM 450: Bioarchaeology (SB & G)	ASB 499: Individualized Instruction	ASM 450: Bioarchaeology (SB & G)
<b>Sociocultural Courses</b>		
ASB 300: Food and Culture ((L or SB) & C)		
ASB 305: Poverty and Global Health ((L or SB) & G)		
ASB 316: Money and Culture (L or SB)		
ASB 322: Peoples of Latin America ((L or SB) & G)		
ASB 327: Disaster! ((L or SB) & C)		
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)		
ASB 357: Society, Drugs and Health (SB & G)		
ASB 370: Ethics of Eating (L or SB) or SOS 370: Ethics of Eating (L or SB)		
ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)		
ASB 380: Language, Culture and Gender (SB)		
ASB 395: Topics in Comparative Culture (SB & G)		
ASB 452: Community Partnerships for Global Health (SB)		
ASB 455: Practicum for Social Sciences (SB)		
ASB 462: Medical Anthropology: Culture and Health (SB & C)		
ASM 414: Environmental Health (SB)		
ASB 457: Global Mental Health ((L or SB) & G)		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Anthropology, BS



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAASBBS

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	3-4	C	<ul style="list-style-type: none"> <li>Students who do not test into MAT 251 must take the math course they do place into in the first term. Do not take MAT 142, as it is not a prerequisite to MAT 251.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students must take ASB 102 and ASM 104. They will choose between ASB 222 and ASB 223.</li> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU)	3		
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	13-14		

Term 2 13 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	3-4	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16-17		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	4-3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Develop your <b>skills</b>.</li> </ul>

ASB OR ASM Elective	3	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Complete 2 courses:	6	
Elective		
❗ Complete First-Year Composition requirement.		
❗ Complete Mathematics (MA) requirement.		
Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	16-15	

Term 4 45 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Science and Society Elective	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>.</li> </ul>
ASB OR ASM Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (ASM 275 recommended)	4		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM 300: Anthropological Sciences Seminar	3	C	<ul style="list-style-type: none"> <li>Field school opportunities (archaeological or physical) can count toward major degree requirements. Talk to your advisor for available opportunities.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ ASM Upper Division Elective	3	C	
Upper Division Science and Society Elective	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ASB 394: Statistics for Social Scientists OR ASM 465: Quantification and Analysis for Anthropologists (CS) OR ASM 494: Bayesian			<ul style="list-style-type: none"> <li>Research <b>employment opportunities</b>.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Statistics in Theory and Practice OR BIO 415: Statistical Models for Biology (CS) OR SOC 390: Social Statistics I (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
ASB OR ASM Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> <li>Apply for <b>full-time career opportunities</b>.</li> </ul>
ASB OR ASM Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR ASB 484: Internship	3		

Elective	2		
Term hours subtotal: 14			
Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: ASM Upper Division Elective	6	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal: 15			

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Anthropology, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LAASBBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	3-4	C	<ul style="list-style-type: none"> <li>Students who do not test into MAT 251 must take the math course they do place into in the first term. Do not take MAT 142, as it is not a prerequisite to MAT 251.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students must take ASB 102 and ASM 104. They will choose between ASB 222 and ASB 223.</li> <li>Select your <b>career interest area</b> and play <a href="#">me3@ASU</a>.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7-8		
Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	4-3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	7-6		
Term 2 - A 14 - 21 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM  104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	3-4	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7-8		
Term 2 - B 21 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

MAT 251: Calculus for Life Sciences (MA)	3	C
Humanities, Arts and Design (HU)	3	
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	6	

- Mathematics Placement Assessment score determines placement in mathematics course.
- Network in your **career interest area**.

Term 3 - A 27 - 34 Credit Hours	Hours	Minimum Grade	Notes
ASB OR ASM Elective	3	C	• Join a <b>student club</b> or professional organization.
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (ASM 275 recommended)	4		
Term hours subtotal:	7		

Term 3 - B 34 - 40 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
ASB OR ASM Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
❗ Complete First-Year Composition requirement.			
❗ Complete Mathematics (MA) requirement.			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 4 - A 40 - 46 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ Science and Society Elective	3	C	• Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
ASB OR ASM Upper Division Elective	3	C	
Term hours subtotal:	6		
• Secure a <b>part-time job</b> or <b>volunteer experience</b> .			

Term 4 - B 46 - 52 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 5 - A 52 - 58 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ASM 300: Anthropological Sciences Seminar	3	C	• Field school opportunities (archaeological or physical) can count toward major degree requirements. Talk to your advisor for available opportunities.
Elective	3		
Term hours subtotal:	6		
• Develop your <b>professional online presence</b> .			

Term 5 - B 58 - 64 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - A 64 - 70 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ASB 394: Statistics for Social Scientists OR ASM 465: Quantification and Analysis for Anthropologists (CS) OR ASM 494: Bayesian Statistics in Theory and Practice OR BIO 415: Statistical Models for Biology (CS) OR SOC 390: Social Statistics I (CS) OR STP 420: Introductory Applied Statistics (CS)	3-4	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
Elective	3		
Term hours subtotal:	6-7		
Term 6 - B 70 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
ASB OR ASM Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
Term 7 - A 76 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Research employment opportunities.</li> </ul>
Upper Division Elective OR ASB 484: Internship	3		
Term hours subtotal:	6		
Term 7 - B 82 - 88 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	6		
Term 8 - A 88 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual practice interview.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 8 - B 94 - 100 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		
Term 9 - A 100 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		
Term 9 - B 106 - 112 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		



Term hours subtotal: 6

Term 10 - A 112 - 118 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ASM Upper Division Elective	3	C	• Apply for full-time career opportunities.
Elective	3		
Term hours subtotal:		6	

Term 10 - B 118 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	2		
Term hours subtotal:		2	

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Applied Mathematics for Life and Social Sciences, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAAMLBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>Use the SB course in this term as a prerequisite for upper-division work in the Social Science track. Recommended courses are found in track list below.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	17		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Develop your <b>skills</b>.</li> </ul>
Science and Society Elective	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		

📌 Complete First-Year Composition requirement.

📌 Complete Mathematics (MA) requirement.

Minimum 2.00 GPA in STP and MAT.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 📌	Hours	Minimum Grade	Notes
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📌 AML 253: Introduction to Mathematical Tools and Modeling for the Life and Social Sciences

3 C

MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA)

3 C

STP 420: Introductory Applied Statistics (CS)

3 C

Social-Behavioral Sciences (SB)

3

Elective

3

Minimum 2.00 GPA in STP and MAT.

Term hours subtotal: 15

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Use the SB course in this term to complete a prerequisite for upper-division work in the Social Science track. Recommended courses are found in the track list below.
- Explore an **internship**.

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Life Science course

3 C

★ Upper Division Social Science course

3 C

STP 421: Probability

3 C

Humanities, Arts and Design (HU) AND Historical Awareness (H)

3

Elective

3

Minimum 2.00 GPA in STP and MAT.

Term hours subtotal: 15

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Develop your **professional online presence**.

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra

3 C

★ Upper Division Applied Mathematics course

3 C

★ Upper Division Life Science course

3 C

Upper Division Elective OR ASB 484: Internship

3

Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Minimum 2.00 GPA in STP and MAT.

Term hours subtotal: 15

- Research **employment opportunities**.
- Complete an in person or virtual **practice interview**.

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Applied Mathematics course

3 C

★ Upper Division Social Science course

3 C

Upper Division Science and Society Elective

3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)

3



Upper Division Literacy and Critical Inquiry (L)

3

Minimum 2.00 GPA in STP and MAT.

Term hours subtotal: 15

- Gather **professional references**.
- Apply for **full-time career opportunities**.

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AML 406: Directed Reading and Research in Applied Mathematics for the Life and Social Sciences	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:		12	

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Recommended SB courses	Upper Division Life Science	Upper Division Social Science
ASB 102: Introduction to Cultural Anthropology (SB & G)	AML 394: From Cells to Societies or ASB 394: From Cells to Societies or SOS 394: From Cells to Societies	ASB 316: Money and Culture (L or SB)
CDE 232: Human Development (SB)	AML 394: Modeling Simulation Neglected Tropical Diseases	ASB 394: Statistics for Social Scientists
JUS 105: Introduction to Justice Studies (SB)	ASB 494: Applied Epidemiology	ASM 345: Disease and Human Evolution
POS 110: American Government and Politics (SB)	ASM 342: Evolution of Human Behavior or BIO 327: Evolution of Human Behavior	ASM 465: Quantification and Analysis for Anthropologists (CS)
PSY 101: Introduction to Psychology (SB)	BIO 302: Cancer--Mother of All Diseases (L)	ASM 494: Bayesian Statistics in Theory and Practice
SOC 101: Introductory Sociology (SB)	BIO 321: Introductory Ecology Laboratory	GCU 351: Population Geography (SB & G)
	BIO 415: Statistical Models for Biology (CS)	GIS 461: Fundamentals of Spatial Optimization or PUP 481: Fundamentals of Spatial Optimization
	BMI 465: Introduction to Comparative Genomics	JUS 301: Research in Justice Studies (SB)
	HCD 300: Biostatistics (CS) or PBH 300: Biostatistics (CS)	JUS 302: Statistical Analysis for Justice Studies (CS)
	SOS 424: Dynamic Modeling in Social and Ecological Systems	POS 301: Empirical Political Inquiry (SB) or SGS 305: Empirical Political Inquiry (SB)
		POS 401: Political Statistics (CS) or SGS 401: Political Statistics (CS)
		POS 485: Political Economy (SB)
		SOC 331: Environmental Sociology (SB & G)
		SOC 390: Social Statistics I (CS)
		SOC 391: Research Methods (L or SB)
		SOC 448: Epidemics and Society (SB & G)
Upper Division Applied Mathematics		

AML 441: Mathematical Concepts and Tools  
in Sustainability or SOS 441: Mathematical  
Concepts and Tools in Sustainability

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AML 494: Modeling with Game Theory

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MAT 300: Mathematical Structures (L)

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MAT 343: Applied Linear Algebra

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MAT 355: Introduction to Computational  
Molecular Biology (CS) or BIO 355:  
Introduction to Computational Molecular  
Biology (CS)

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MAT 371: Advanced Calculus I

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MAT 394: Forensic DNA Analysis

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MAT 421: Applied Computational Methods  
(CS)

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MAT 451: Mathematical Modeling (CS)

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MAT 494: Big Data and Mathematical  
Modelling

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MAT 494: Data Analysis in Neuroscience

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#### Notes:

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map

### Asia Studies (East Asia), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAHSTEABA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 111: Introduction to Asia (HU & H & G) OR REL 111: Introduction to Asia (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).	5	C	
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Across Asia Course	3	C	<ul style="list-style-type: none"> <li>Except for courses marked "critical" or "necessary," the sequence of required and elective courses will vary with each student according to individual choices and the schedule of classes.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>If interested in law school, review the <a href="#">Pre-Law at ASU</a> website.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).	5	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Outside East Asia Course	3	C	<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>Explore opportunities to <b>study abroad</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).	5	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	15		



🚩 Complete First-Year Composition requirement.

🚩 Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 East Asia Concentration Course	3	C	<ul style="list-style-type: none"><li>• See East Asia Concentration lists below. Students must complete 15 hours of coursework in one concentration (China, Japan or Korea).</li><li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li><li>• If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li></ul>
Across Asia Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).	5	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division East Asia Concentration Course	3	C	<ul style="list-style-type: none"><li>• For the East Asia Electives, students may choose courses from the East Asia Electives list, additional courses from the chosen concentration, and/or courses from the other two concentrations.</li><li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li></ul>
Outside East Asia Course	3	C	
Upper Division East Asia Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division East Asia Concentration Course	3	C	<ul style="list-style-type: none"><li>• Explore <b>graduate school</b> opportunities.</li><li>• If planning on law school, prepare to take the <b>LSAT</b>.</li><li>• Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li></ul>
Upper Division East Asia Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR HST 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division East Asia Concentration Course	3	C	<ul style="list-style-type: none"><li>• Use Handshake to research <b>employment opportunities</b>.</li><li>• Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li></ul>
Upper Division Outside East Asia Course	3	C	
East Asia Elective	3	C	
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HST 496: South, Southeast, and East Asia in the Global Matrix	3	C
★ Upper Division East Asia Concentration Course	3	C
Complete 3 courses: Upper Division Elective	9	
Term hours subtotal:	15	

- HST 496 is the required capstone course for the major and is only offered in spring terms.
- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
- Apply for career opportunities.

- Students must choose an East Asia Concentration of China, Japan or Korea. Please refer to the appropriate list below.
- For the East Asia Electives requirement, in addition to the courses shown in the East Asia Electives list, students may choose more courses from the concentration list or the areas not chosen as concentration (e.g., students completing the Chinese concentration may use courses from the Japanese list, Korean list and/or additional courses from the Chinese list as East Asia electives).

Hide Course List(s)/Track Group(s)

Across Asia	East Asia Concentration - China	East Asia Concentration - Japan
ARS 201: Art of Asia (HU & H & G)	ARS 472: Art of China (HU)	ARS 473: Art of Japan (HU)
GCU 326: Geography of Asia (SB & G)	ARS 475: Chinese Painting (HU)	HST 108: Introduction to Japan (SB & G & H)
HST 106: Asian Civilizations ((HU or SB) & G & H)	CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)	HST 303: WWII in Asia: Cultures of War
HST 303: ASIA: Women in Asia	CHI 307: Introduction to Literary Chinese I (HU)	HST 387: Japan ((L or SB) & H)
HST 303: Cold War Asia	CHI 308: Classical Chinese II (HU)	HST 388: Japan (SB & G & H)
HST 303: Democracy in Asia	CHI 321: Chinese Literature (HU)	HST 389: Japan Society and Values/Premod
HST 303: Empires in Asia	CHI 322: Chinese Literature (HU & G)	JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)
HST 303: Film and Politics in Colonial Asia	CHI 345: Chinese Film and Civilization	JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G)
HST 303: WWII in Asia: Cultures of War	CHI 348: Pathways into Chinese Culture	JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G)
POS 468: Comparative Asian Foreign Policies (SB & G)	CHI 470: Modern Chinese Literature and Culture	JPN 333: Japanese Civilization from the Ice Age to Last Thursday
REL 345: Asian Religious Traditions (HU & G)	GCU 432: Geography of China (SB & G)	JPN 401: Reading Modern Japanese Texts I ((L or HU) & G)
REL 350: Hinduism ((L or HU) & G)	HST 303: The Family in Modern China	JPN 414: Introduction to Classical Japanese
REL 351: Buddhism ((L or HU) & G)	HST 303: History of Modern China: From Taiping to Tiananmen	JPN 415: Advanced Classical Japanese
	HST 303: Modern China: Personal Narratives and Histories	JPN 445: Readings in Modern Japanese Letters and Culture
	HST 303: Modern China: Violence	JPN 485: Japanese Literature and the Art of Translation
	HST 383: China (SB & H) or CHI 333: China (SB & H) or SLC 333: China (SB & H)	REL 344: Religion and Values in Japanese Life (HU & G)
	HST 384: Modern China: 1700 to the Present (SB & G & H) or SLC 334: Modern China: 1700 to the Present (SB & G & H)	

	HST 385: History of Chinese Medicine (HU & H & G)	REL 355: Japanese Cities and Cultures to 1800 (HU)
	HST 386: Interpreting China's Classics ((L or HU) & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or SLC 336: Interpreting China's Classics ((L or HU) & H)	SLC 421: Japanese Literature in Translation ((L or HU) & G)
	HST 451: Chinese Cultural History I ((HU or SB) & H) or CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)	
	HST 452: Chinese Cultural History II (SB & G & H) or CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)	
	POS 452: China (SB & G)	
	REL 338: Daode Jing: Way to the West (L or HU) or CHI 338: Daode Jing: Way to the West (L or HU)	
	REL 343: Daoism ((L or HU) & G & H) or CHI 343: Daoism ((L or HU) & G & H)	
	REL 346: Chinese Religions or CHI 346: Chinese Religions	
<b>East Asia Concentration - Korea</b>	<b>East Asia Electives</b>	<b>Outside East Asia</b>
KOR 250: Korean Culture and Society (HU & G)	HST 303: China, Japan & East Asia in World History	ARS 444: Films of India or FMS 426: Films of India
KOR 321: Modern Korean Literature (HU) or SLC 321: Modern Korean Literature (HU)	REL 352: Modern Buddhism	ASB 325: Peoples of Southeast Asia (G)
KOR 347: Korean Film and Literature (HU)	Students may also choose any courses from the China, Japan and Korea concentration lists. These courses must be separate from those taken to fulfill the concentration requirement.	DCE 114: Dances of India I
KOR 350: Women of Korea (H)		GCU 433: Geography of Southeast Asia
KOR 375: Intercultural Communication in Korea or SLC 375: Intercultural Communication in Korea		HST 240: Introduction to Southeast Asia ((HU or SB) & G) or GCU 240: Introduction to Southeast Asia ((HU or SB) & G) or POS 240: Introduction to Southeast Asia ((HU or SB) & G) or REL 240: Introduction to Southeast Asia ((HU or SB) & G) or SGS 240: Introduction to Southeast Asia ((HU or SB) & G)
KOR 415: Korean Popular Culture (HU & G) or SLC 415: Korean Popular Culture (HU & G)		HST 245: Introduction to India and South Asia (HU & H & G) or POS 245: Introduction to India and South Asia (HU & H & G) or REL 245: Introduction to India and South Asia (HU & H & G) or SGS 245: Introduction to India and South Asia (HU & H & G) or SLC 245: Introduction to India and South Asia (HU & H & G)
KOR 457: Premodern Korea in a Global Context (HU) or SLC 457: Premodern Korea in a Global Context (HU)		HST 302: Envisioning Peace
REL 354: Religions of Korea (HU) or KOR 354: Religions of Korea (HU)		HST 302: Women, War and Peace

HST 391: Modern Southeast Asia (SB & G & H) or SGS 381: Modern Southeast Asia (SB & G & H)

HST 392: Modern India

HST 456: The Vietnam War (SB & G & H)

HST 459: Gandhi and the Politics of Nonviolence

MUP 489: Gamelan

POS 357: South Asia Politics (SB & G)

POS 358: Southeast Asia (SB & G)

REL 347: Religions of India: Peace and Conflict ((L or HU) & G)

REL 348: Religion and Culture in Southeast Asia

REL 350: Hinduism ((L or HU) & G)

REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)

REL 364: Islam in Eurasia and Central Asia

REL 365: Islamic Civilization (HU & H) or HST 336: Islamic Civilization (HU & H)

REL 366: Islam in the Modern World (HU & G) or HST 339: Islam in the Modern World (HU & G)

#### Notes:

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

**Total College Residency Hrs:** 12 minimum

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Asia Studies (South Asia), BA


School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAHSTSABA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 111: Introduction to Asia (HU & H & G) OR REL 111: Introduction to Asia (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to ensure the course level is appropriate. Students who are already proficient in a second language may take a proficiency exam.</li> <li>Depending on the language chosen, students may need to take more or less elective hours to meet the minimum 120 hours needed for graduation.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Arabic or Hindi language course(s) at the intermediate level (202 or equivalent).	4-5	C	
Elective	2		
Term hours subtotal:	16-17		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Except for courses marked "critical" or "necessary," the sequence of required and elective courses will vary with each student according to individual choices and the schedule of classes.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>If interested in law school, review the <a href="#">Pre-Law at ASU</a> website.</li> </ul>
Across Asia course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Arabic or Hindi language course(s) at the intermediate level (202 or equivalent).	4-5	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14-15		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
South Asia Concentration Course (HST/POS/REL/SGS/SLC 245: Introduction to India and South Asia (recommended))	3	C	<ul style="list-style-type: none"> <li>It is highly suggested students enroll in HST/POS/REL/SGS/SLC 245, if offered.</li> <li>Some General Studies requirements can overlap with major courses, leaving more</li> </ul>

Second Language: Requirement satisfied through the following: 4-5 C  
 \* Completion of Arabic or Hindi language course(s) at the intermediate level (202 or equivalent).

Computer/Statistics/Quantitative Applications (CS)	3
Literacy and Critical Inquiry (L)	3
Social-Behavioral Sciences (SB)	3

❖ Complete First-Year Composition requirement.

❖ Complete Mathematics (MA) requirement.

Term hours subtotal: 16-17

Term 4 46 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ Outside South Asia course	3	C
Across Asia course	3	C
Second Language: Requirement satisfied through the following: * Completion of Arabic or Hindi language course(s) at the intermediate level (202 or equivalent).	4-5	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	14-15	

- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, make an appointment with the pre-law advisor.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division South Asia Concentration course	3	C
Outside South Asia course	3	C
Upper Division South Asia Elective course	3	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Elective OR HST 484: Internship	3-1	
Term hours subtotal:	15-13	

- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.
- Depending on the Second Language chosen, students may need to take more or less elective hours to meet the minimum 120 hours needed for graduation.
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division South Asia Concentration course	3	C
South Asia Elective course	3	C
Upper Division South Asia Elective course	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Humanities, Arts and Design (HU)	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab.
- Explore graduate school opportunities.
- If planning on law school, prepare to take the LSAT.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division South Asia Concentration course	3	C
Upper Division Outside South Asia course	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	

- Use Handshake to research employment opportunities.

room for electives. Consult an academic advisor to select the best courses for your personal plan of study.

- Explore opportunities to study abroad.

Complete 2 courses:  
Upper Division Elective

6

Term hours subtotal: 15

- Attend career fairs, workshops and related events offered by Career and Professional Development Services.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 496: South, Southeast, and East Asia in the Global Matrix	3	C	<ul style="list-style-type: none"> <li>• HST 496 is the required capstone course for the major and is only offered in spring terms.</li> <li>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> <li>• Apply for career opportunities.</li> </ul>
★ Upper Division South Asia Concentration course	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15		

- For the South Asia Electives requirement, in addition to the courses shown in the South Asia Electives list, students may take any courses in the South Asia Concentration list that were not used to fulfill the concentration.

Hide Course List(s)/Track Group(s)

Across Asia Courses	South Asia Concentration	South Asia Electives
ARS 201: Art of Asia (HU & H & G)	ARS 444: Films of India or FMS 426: Films of India	DCE 114: Dances of India I
GCU 326: Geography of Asia (SB & G)		HST 302: Envisioning Peace
HST 106: Asian Civilizations ((HU or SB) & G & H)	HST 245: Introduction to India and South Asia (HU & H & G) or POS 245: Introduction to India and South Asia (HU & H & G) or REL 245: Introduction to India and South Asia (HU & H & G) or SGS 245: Introduction to India and South Asia (HU & H & G) or SLC 245: Introduction to India and South Asia (HU & H & G)	HST 302: Women, War and Peace
HST 303: ASIA: Women in Asia		POS 468: Comparative Asian Foreign Policies (SB & G)
HST 303: Cold War Asia		REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)
HST 303: Democracy in Asia	HST 392: Modern India	REL 365: Islamic Civilization (HU & H) or HST 336: Islamic Civilization (HU & H)
HST 303: Empires in Asia	HST 459: Gandhi and the Politics of Nonviolence	REL 366: Islam in the Modern World (HU & G) or HST 339: Islam in the Modern World (HU & G)
HST 303: Film and Politics in Colonial Asia	POS 357: South Asia Politics (SB & G)	
HST 303: WWII in Asia: Cultures of War	REL 347: Religions of India: Peace and Conflict ((L or HU) & G)	
POS 468: Comparative Asian Foreign Policies (SB & G)	REL 350: Hinduism ((L or HU) & G)	
REL 345: Asian Religious Traditions (HU & G)		
REL 351: Buddhism ((L or HU) & G)		
Outside South Asia	Outside South Asia Continued	
ARS 472: Art of China (HU)	JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)	
ARS 473: Art of Japan (HU)		
ARS 475: Chinese Painting (HU)	JPN 333: Japanese Civilization from the Ice Age to Last Thursday	
ASB 325: Peoples of Southeast Asia (G)	KOR 250: Korean Culture and Society (HU & G)	



CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)	KOR 321: Modern Korean Literature (HU) or SLC 321: Modern Korean Literature (HU)
CHI 205: Chinese Calligraphy	KOR 347: Korean Film and Literature (HU)
CHI 321: Chinese Literature (HU)	KOR 350: Women of Korea (H)
CHI 322: Chinese Literature (HU & G)	KOR 375: Intercultural Communication in Korea or SLC 375: Intercultural Communication in Korea
CHI 345: Chinese Film and Civilization	KOR 415: Korean Popular Culture (HU & G) or SLC 415: Korean Popular Culture (HU & G)
GCU 432: Geography of China (SB & G)	KOR 457: Premodern Korea in a Global Context (HU) or SLC 457: Premodern Korea in a Global Context (HU)
GCU 433: Geography of Southeast Asia	MUP 489: Gamelan
HST 108: Introduction to Japan (SB & G & H)	POS 358: Southeast Asia (SB & G)
HST 240: Introduction to Southeast Asia ((HU or SB) & G) or GCU 240: Introduction to Southeast Asia ((HU or SB) & G) or POS 240: Introduction to Southeast Asia ((HU or SB) & G) or REL 240: Introduction to Southeast Asia ((HU or SB) & G) or SGS 240: Introduction to Southeast Asia ((HU or SB) & G)	POS 452: China (SB & G)
HST 303: China, Japan & East Asia in World History	REL 338: Daode Jing: Way to the West (L or HU) or CHI 338: Daode Jing: Way to the West (L or HU)
HST 303: The Family in Modern China	REL 343: Daoism ((L or HU) & G & H) or CHI 343: Daoism ((L or HU) & G & H)
HST 303: History of Modern China: From Taiping to Tiananmen	REL 344: Religion and Values in Japanese Life (HU & G)
HST 303: Modern China: Personal Narratives and Histories	REL 346: Chinese Religions or CHI 346: Chinese Religions
HST 303: Modern China: Violence	REL 348: Religion and Culture in Southeast Asia
HST 383: China (SB & H) or CHI 333: China (SB & H) or SLC 333: China (SB & H)	REL 352: Modern Buddhism
HST 384: Modern China: 1700 to the Present (SB & G & H) or SLC 334: Modern China: 1700 to the Present (SB & G & H)	REL 354: Religions of Korea (HU) or KOR 354: Religions of Korea (HU)
HST 385: History of Chinese Medicine (HU & H & G)	REL 355: Japanese Cities and Cultures to 1800 (HU)
HST 386: Interpreting China's Classics ((L or HU) & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or SLC 336: Interpreting China's Classics ((L or HU) & H)	REL 364: Islam in Eurasia and Central Asia
HST 387: Japan ((L or SB) & H)	SLC 421: Japanese Literature in Translation ((L or HU) & G)
HST 388: Japan (SB & G & H)	
HST 389: Japan Society and Values/Premod	
HST 391: Modern Southeast Asia (SB & G & H) or SGS 381: Modern Southeast Asia (SB & G & H)	
HST 451: Chinese Cultural History I ((HU or SB) & H) or CHI 451: Chinese Cultural	

History I ((HU or SB) & H) or SLC 451:  
Chinese Cultural History I ((HU or SB) & H)

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HST 452: Chinese Cultural History II (SB &  
G & H) or CHI 452: Chinese Cultural History  
II (SB & G & H) or SLC 452: Chinese  
Cultural History II (SB & G & H)

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HST 456: The Vietnam War (SB & G & H)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map

### Asia Studies (Southeast Asia), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAHSTSEABA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 111: Introduction to Asia (HU & H & G) OR REL 111: Introduction to Asia (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to ensure the course level is appropriate. Students who are already proficient in a second language may take a proficiency exam.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).	5	C	
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Across Asia Course	3	C	<ul style="list-style-type: none"> <li>Except for courses marked "critical" or "necessary," the sequence of required and elective courses will vary with each student according to individual choices and the schedule of classes.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>If interested in law school, review the <a href="#">Pre-Law at ASU</a> website.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).	5	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 240: Introduction to Southeast Asia ((HU or SB) & G) OR HST 240: Introduction to Southeast Asia ((HU or SB) & G) OR POS 240: Introduction to Southeast Asia ((HU or SB) & G) OR REL 240: Introduction to Southeast Asia ((HU or SB) & G) OR SGS 240: Introduction to Southeast Asia ((HU or SB) & G)	3	C	<ul style="list-style-type: none"> <li>Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>Explore opportunities to <b>study abroad</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai,			

Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).	5	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB)	3	
Elective	1	
◆ Complete First-Year Composition requirement.		
◆ Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ Outside Southeast Asia course	3	C	<ul style="list-style-type: none"> <li>Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> </ul>
Across Asia Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).	5	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Southeast Asia concentration	3	C	<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> </ul>
Outside Southeast Asia course	3	C	
Upper Division Southeast Asia Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Southeast Asia concentration	3	C	<ul style="list-style-type: none"> <li>Explore <b>graduate school</b> opportunities.</li> <li>If planning to attend law school, prepare to take the <b>LSAT</b>.</li> <li>Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li> </ul>
Southeast Asia Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR HST 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Southeast Asia concentration	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b>.</li> <li>Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li> </ul>
Upper Division Outside Southeast Asia Course	3	C	
Upper Division Southeast Asia Elective	3	C	
Upper Division Elective	3		
Elective	3		

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 496: South, Southeast, and East Asia in the Global Matrix	3	C	<ul style="list-style-type: none"> <li>• HST 496 is the required capstone course for the major and is only offered in spring terms.</li> <li>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> <li>• Apply for career opportunities.</li> </ul>
★ Upper Division Southeast Asia concentration	3	C	
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	15		

- For the Southeast Asia Electives requirement, in addition to the courses shown in the Southeast Asia Electives list, students may take any courses in the Southeast Asia Concentration list that were not used to fulfill the concentration.

Hide Course List(s)/Track Group(s)

Across Asia	Southeast Asia Concentration	Southeast Asia Electives
ARS 201: Art of Asia (HU & H & G)	ASB 325: Peoples of Southeast Asia (G)	HST 303: Film and Politics in Colonial Asia
GCU 326: Geography of Asia (SB & G)	GCU 433: Geography of Southeast Asia	HST 456: The Vietnam War (SB & G & H)
HST 106: Asian Civilizations ((HU or SB) & G & H)	HST 391: Modern Southeast Asia (SB & G & H) or SGS 381: Modern Southeast Asia (SB & G & H)	MUP 489: Gamelan
HST 303: ASIA: Women in Asia	POS 358: Southeast Asia (SB & G)	POS 468: Comparative Asian Foreign Policies (SB & G)
HST 303: Cold War Asia	REL 348: Religion and Culture in Southeast Asia	REL 352: Modern Buddhism
HST 303: Democracy in Asia		REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)
HST 303: Empires in Asia		
HST 303: Film and Politics in Colonial Asia		
HST 303: WWII in Asia: Cultures of War		
POS 468: Comparative Asian Foreign Policies (SB & G)		
REL 345: Asian Religious Traditions (HU & G)		
REL 350: Hinduism ((L or HU) & G)		
REL 351: Buddhism ((L or HU) & G)		
Outside Southeast Asia		
ARS 444: Films of India or FMS 426: Films of India		
ARS 472: Art of China (HU)		
ARS 473: Art of Japan (HU)		
ARS 475: Chinese Painting (HU)		

CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)

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CHI 205: Chinese Calligraphy

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CHI 321: Chinese Literature (HU)

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CHI 322: Chinese Literature (HU & G)

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CHI 345: Chinese Film and Civilization

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DCE 114: Dances of India I

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GCU 432: Geography of China (SB & G)

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HST 108: Introduction to Japan (SB & G & H)

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HST 245: Introduction to India and South Asia (HU & H & G) or POS 245: Introduction to India and South Asia (HU & H & G) or REL 245: Introduction to India and South Asia (HU & H & G) or SGS 245: Introduction to India and South Asia (HU & H & G) or SLC 245: Introduction to India and South Asia (HU & H & G)

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HST 302: Envisioning Peace

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HST 302: Women, War and Peace

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HST 303: China, Japan & East Asia in World History

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HST 303: The Family in Modern China

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HST 303: History of Modern China: From Taiping to Tiananmen

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HST 303: Modern China: Personal Narratives and Histories

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HST 303: Modern China: Violence

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HST 383: China (SB & H) or CHI 333: China (SB & H) or SLC 333: China (SB & H)

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HST 384: Modern China: 1700 to the Present (SB & G & H) or SLC 334: Modern China: 1700 to the Present (SB & G & H)

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HST 385: History of Chinese Medicine (HU & H & G)

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HST 386: Interpreting China's Classics ((L or HU) & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or SLC 336: Interpreting China's Classics ((L or HU) & H)

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HST 387: Japan ((L or SB) & H)

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HST 388: Japan (SB & G & H)

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HST 389: Japan Society and Values/Premod

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HST 392: Modern India

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HST 451: Chinese Cultural History I ((HU or SB) & H) or CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)

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HST 452: Chinese Cultural History II (SB & G & H) or CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)

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HST 459: Gandhi and the Politics of Nonviolence

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JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)

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JPN 333: Japanese Civilization from the Ice Age to Last Thursday

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KOR 250: Korean Culture and Society (HU & G)

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KOR 321: Modern Korean Literature (HU) or SLC 321: Modern Korean Literature (HU)

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KOR 347: Korean Film and Literature (HU)

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KOR 350: Women of Korea (H)

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KOR 375: Intercultural Communication in Korea or SLC 375: Intercultural Communication in Korea

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KOR 415: Korean Popular Culture (HU & G) or SLC 415: Korean Popular Culture (HU & G)

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KOR 457: Premodern Korea in a Global Context (HU) or SLC 457: Premodern Korea in a Global Context (HU)

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POS 357: South Asia Politics (SB & G)

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POS 452: China (SB & G)

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REL 338: Daode Jing: Way to the West (L or HU) or CHI 338: Daode Jing: Way to the West (L or HU)

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REL 343: Daoism ((L or HU) & G & H) or CHI 343: Daoism ((L or HU) & G & H)

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REL 344: Religion and Values in Japanese Life (HU & G)

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REL 346: Chinese Religions or CHI 346: Chinese Religions

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REL 347: Religions of India: Peace and Conflict ((L or HU) & G)

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REL 350: Hinduism ((L or HU) & G)

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REL 354: Religions of Korea (HU) or KOR 354: Religions of Korea (HU)

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REL 355: Japanese Cities and Cultures to 1800  
(HU)

REL 364: Islam in Eurasia and Central Asia

REL 365: Islamic Civilization (HU & H) or  
HST 336: Islamic Civilization (HU & H)

REL 366: Islam in the Modern World (HU &  
G) or HST 339: Islam in the Modern World  
(HU & G)

SLC 421: Japanese Literature in Translation  
((L or HU) & G)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Asian Languages (Chinese), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACHIBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHI 101: First-Year Chinese I (G)	5	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a language placement test.</li> <li>Students may opt to take CHI 110 Intensive Chinese I (8 credit course equivalent to CHI 101 and CHI 102) in Term 1.</li> <li>Learn about the <b>Chinese Language Flagship Program</b>.</li> <li>Engage in <b>Chinese</b> at ASU. Come to the <b>SILC Cafe</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA) Social-Behavioral Sciences (SB)	3	C	
Maintain 2.33 GPA in Critical Tracking Courses.	3		
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHI 102: First-Year Chinese II (G)	5	C	<ul style="list-style-type: none"> <li>Students interested in the Chinese Flagship Program should meet with a <b>Flagship representative</b>.</li> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the <b>best study abroad options</b> for your major.</li> <li>Attend a <b>Financing Your Study Abroad Program</b> Workshop.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Students who have taken CHI 110 may take CHI 210 Intensive Chinese II (8 credit intensive course equivalent to CHI 201 and CHI 202) in Term 2.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHI 120: Introduction to Chinese Culture (L or HU)	3	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the <b>best study abroad options</b> for your major.</li> </ul>
CHI 201: Second-Year Chinese I (G)	5	C	

Natural Science - Quantitative (SQ)	4
Elective	3
♦ Complete First-Year Composition requirement.	
♦ Complete Mathematics (MA) requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	15

- Learn about **language-specific scholarship opportunities**.
- Learn about **internships** for language and culture majors.

Term 4 45 - 60 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	<ul style="list-style-type: none"> <li>• A Chinese <b>Flagship representative</b> can provide you information about opportunities available to students in the program.</li> <li>• Explore your <b>career interest</b> area.</li> <li>• Learn about research opportunities through the <b>ASU Humanities Lab</b>.</li> </ul>
CHI 202: Second-Year Chinese II (G)	5	C	
Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 60 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 301: Third-Year Chinese I (G)	5	C	<ul style="list-style-type: none"> <li>• Minimum grade of "C" required in all CHI, SLC and East-Asian Related Fields courses.</li> <li>• Learn about <b>national scholarships, fellowships and research opportunities</b>.</li> </ul>
★ CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU & G)	3	C	
China Related Area	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	14		

Term 6 74 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 302: Third-Year Chinese II (G)	5	C	<ul style="list-style-type: none"> <li>• Minimum grade of "C" required in all CHI, SLC and East-Asian Related Fields courses.</li> <li>• Enroll in listed courses or in a School of International Letters and Cultures <b>recommended program abroad</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU & G)	3	C	
China Related Area	3	C	
Upper Division Elective	2		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 307: Introduction to Literary Chinese I (HU)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of "C" required in all CHI, SLC and East-Asian Related Fields courses.</li> <li>• Attend an <b>ASU Career and Professional Development Services</b> workshop or Job Fair.</li> </ul>
★ CHI 380: The Chinese Language	3	C	
★ Upper Division Chinese Language, Literature and Linguistics Elective Course	3	C	
★ 4** Chinese Language, Literature and Linguistics Elective Course	3	C	
Upper Division Elective OR SLC 484: Internship	3		
Term hours subtotal:	15		

		Minimum	
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Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ CHI 308: Classical Chinese II (HU)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of "C" required in all CHI, SLC and East-Asian Related Fields courses.</li> <li>• Apply for full-time career opportunities.</li> </ul>
★ 4** Chinese Language, Literature and Linguistics Elective Course	3	C	
China Related Area	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

- Select nine hours from the Upper Division Chinese Language, Linguistics, or Literature Courses listed. Students who desire a linguistics emphasis should select CHI 482 plus three hours of language courses. Students who want to emphasize literature should select nine hours of literature courses. All students must take at least six credit hours of Chinese electives at the 400 level.

#### Hide Course List(s)/Track Group(s)

China Related Area	Chinese Language, Literature and Linguistics Elective Courses
ARS 201: Art of Asia (HU & H & G)	
ARS 472: Art of China (HU)	CHI 333: China (SB & H)
ARS 475: Chinese Painting (HU)	CHI 336: Interpreting China's Classics ((L or HU) & H)
CHI 333: China (SB & H)	CHI 338: The Daoist Bible: The Daode jing (L or HU)
CHI 336: Interpreting China's Classics ((L or HU) & H)	CHI 348: Pathways into Chinese Culture
CHI 338: The Daoist Bible: The Daode jing (L or HU)	CHI 401: Fourth-Year Chinese I (G)
CHI 343: Daoism ((L or HU) & G & H)	CHI 402: Fourth-Year Chinese II (G)
CHI 451: Chinese Cultural History I ((HU or SB) & H)	CHI 407: Chinese for Academic and Professional Purposes I (G)
CHI 452: Chinese Cultural History II (SB & G & H)	CHI 408: Chinese for Academic and Professional Purposes II (G)
HST 384: Modern China: 1700 to the Present (SB & G & H)	CHI 470: Modern Chinese Literature and Culture
REL 345: Asian Religious Traditions (HU & G)	CHI 482: History of the Chinese Language
REL 351: Buddhism ((L or HU) & G)	

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that

guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Asian Languages (Chinese) - Chinese Flagship, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACHIBA

Term 1 0 - 12 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHI 101: First-Year Chinese I (G)	5-8	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Learn about <b>Chinese</b> intensive language courses. Students may opt to take CHI 110 (8 credit course equivalent to CHI 101 and CHI 102) in Term 1.</li> <li><b>ASU Language Placement:</b> Students with previous experience in the language are required to take a language placement test.</li> <li>Engage in <b>Chinese</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	12-15		

Term 2 12 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHI 102: First-Year Chinese II (G)	5-8	C	<ul style="list-style-type: none"> <li>Newly accepted Flagship students should schedule a meeting with an <b>academic advisor</b> and a <b>Flagship coordinator</b> to create a semester-by-semester plan of study for all required courses for graduation.</li> <li>Create a <b>Handshake</b> account and explore your career interest area.</li> <li>Attend a <b>Financing Your Study Abroad Program</b> workshop.</li> <li>Students who have taken CHI 110 may opt to take CHI 210 (equivalent to CHI 201 and CHI 202) in Term 2.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15-18		

Summer 2 Session 1 27 - 32 Credit Hours	Hours	Minimum Grade	Notes
CHI 201: Second-Year Chinese I (G)	5-8	C	<ul style="list-style-type: none"> <li>To remain on track for graduation, Flagship students are expected to participate in a Flagship domestic or abroad <b>approved language program</b> in Summer 2.</li> </ul>
Term hours subtotal:	5-8		

Summer 2 Session 2 32 - 37 Credit Hours	Hours	Minimum Grade	Notes
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CHI 202: Second-Year Chinese II (G)

5-8

C

Term hours subtotal:

5-8

- To remain on track for graduation, Flagship students are expected to participate in a Flagship approved language program away from ASU in Summer 2.

Term 3 37 - 51 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CHI 120: Introduction to Chinese Culture (L or HU)	3	C	
⚠ CHI 301: Third-Year Chinese I (G)	5	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

- Flagship students should schedule a meeting with an academic advisor and a Flagship coordinator to create a semester-by-semester plan of study for all required courses for graduation.
- Learn about research opportunities through the ASU Humanities Lab.

Term 4 51 - 66 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CHI 302: Third-Year Chinese II (G)	5	C	
⚠ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
⚠ Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

- Learn about internships, scholarships and awards for language majors.
- Flagship students may participate in a Flagship approved language program away from ASU in the summer between Terms 4 and 5.

Term 5 66 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 307: Introduction to Literary Chinese I (HU)	3	C	
★ CHI 401: Fourth-Year Chinese I (G)	3	C	
CHI 348: Pathways into Chinese Culture OR CHI 470: Modern Chinese Literature and Culture	3	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

- Enroll in Study Abroad Program credits or listed courses.
- China Related Content Courses must be taught in Chinese. Consult your academic advisor or Flagship coordinator when choosing your content courses.
- Develop your professional online presence.

Term 6 81 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 402: Fourth-Year Chinese II (G)	3	C	
CHI 380: The Chinese Language	3	C	
Upper Division Elective	2		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	11		

- Enroll in Study Abroad Program credits or listed courses.
- Learn about national scholarships, fellowships, and research opportunities through the Humanities Lab.
- Attend an ASU Career and Professional Development Services workshop or job fair.
- Use Handshake to research employment opportunities

Minimum

Term 7 92 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
★ CHI 407: Chinese for Academic and Professional Purposes I (G)	3	C	<ul style="list-style-type: none"> <li>All Flagship students must spend their final terms 7 and 8 in China for their capstone year abroad participating in a Flagship approved program at <a href="#">National Taiwan University</a> or <a href="#">Nanjing University</a>.</li> <li>China related content courses must be taught in Chinese.</li> <li>Gather <a href="#">professional references</a>.</li> </ul>
★ Upper Division Chinese Literature and Linguistics Course	3	C	
★ Upper Division China Related Content Courses	3	C	
Complete 2 courses:			
Elective	7		
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHI 408: Chinese for Academic and Professional Purposes II (G)	3	C	<ul style="list-style-type: none"> <li>All Flagship students must spend their final terms 7 and 8 in China for their capstone year abroad participating in a Flagship approved program at <a href="#">National Taiwan University</a> or <a href="#">Nanjing University</a>.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective OR SLC 484: Internship	3		
Term hours subtotal:	12		

- Flagship students are required to complete two China Related Area "Content Courses" taught in the Chinese language. Students are required to take a one-credit Chinese Writing Module to accompany China Related Area "Content Courses" that are taught in English. See department advisor or Flagship program director for additional course offerings.

Hide Course List(s)/Track Group(s)

Upper-Division China Related Content Courses	Chinese Literature and Linguistics Courses
ARS 472: Art of China (HU)	CHI 348 or CHI 470 not taken in earlier requirement may be selected here.
CHI 333: China (SB & H) or SLC 333: China (SB & H)	CHI 336: Interpreting China's Classics ((L or HU) & H)
CHI 336: Interpreting China's Classics ((L or HU) & H) or SLC 336: Interpreting China's Classics ((L or HU) & H)	CHI 338: Daode Jing: Way to the West (L or HU)
CHI 338: Daode Jing: Way to the West (L or HU)	CHI 348: Pathways into Chinese Culture
CHI 343: Daoism ((L or HU) & G & H) or REL 343: Daoism ((L or HU) & G & H)	CHI 451: Chinese Cultural History I ((HU or SB) & H)
CHI 345: Chinese Film and Civilization	CHI 452: Chinese Cultural History II (SB & G & H)
CHI 348: Pathways into Chinese Culture	CHI 470: Modern Chinese Literature and Culture
CHI 394: Special Topics	
CHI 451: Chinese Cultural History I ((HU or SB) & H)	
CHI 452: Chinese Cultural History II (SB & G & H)	
CHI 494: Special Topics	

HST 384: Modern China: 1700 to the Present  
(SB & G & H)

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REL 345: Asian Religious Traditions (HU &  
G)

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REL 351: Buddhism ((L or HU) & G)

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SLC 484: Internship

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SLC 498: Pro-Seminar

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Asian Languages (Japanese), BA

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAJPNBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>Learn about <b>Japanese intensive language</b> courses. Students may opt to take JPN 110 Intensive Japanese I (8 credit course equivalent to JPN 101 and JPN 102) in Term 1.</li> <li>Engage in <b>Japanese</b> at ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JPN 101: First-Year Japanese I (G)	5	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Start planning your study abroad experience. Meet with a SILC advisor to learn about major-specific <b>study abroad programs in Japan</b>.</li> <li>Attend a <b>Financing Your Study Abroad Program</b> Workshop.</li> <li>Explore your <b>career interest</b> area.</li> <li>Students may opt to take JPN 210 Intensive Japanese II (8 credit course equivalent to JPN 201 and JPN 202) in Term 2 if credit has been earned in JPN 110 or JPN 102.</li> </ul>
JPN 102: First-Year Japanese II (G)	5	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Complete 2 courses: Elective	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JPN 201: Second-Year Japanese I (G)	5	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> <li>Learn about research opportunities through the <b>ASU Humanities Lab</b>.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

❗ Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ JPN 202: Second-Year Japanese II (G)	5	C	<ul style="list-style-type: none"><li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the <b>best study abroad options</b> for your major.</li></ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
❗ Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JPN 301: Third-Year Japanese I (G)	3	C	<ul style="list-style-type: none"><li>• Enroll in listed courses or participate in a School of International Letters and Cultures endorsed program abroad for your major.</li><li>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.</li><li>• Learn about <b>internship, scholarship and award</b> opportunities for language and culture majors.</li></ul>
SLC 421: Japanese Literature in Translation ((L or HU) & G)	3	C	
Related Area Course	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JPN 302: Third-Year Japanese II (G)	3	C+	<ul style="list-style-type: none"><li>• Enroll in listed courses or participate in a School of International Letters and Cultures <b>endorsed program</b> abroad for your major.</li><li>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.</li><li>• Learn about <b>national scholarships, fellowships, and research</b> opportunities.</li><li>• Use Handshake to research <b>employment opportunities</b>.</li></ul>
★ JPN 333: Japanese Civilization from the Ice Age to Last Thursday	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Upper Division Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JPN 401: Reading Modern Japanese Texts I ((L or HU) & G)	3	C	<ul style="list-style-type: none"><li>• Learn about <b>internship opportunities</b> in Japanese</li><li>• Gather <b>professional references</b></li></ul>
★ JPN 414: Introduction to Classical Japanese	3	C	
★ Upper Division JPN Restricted Electives	3	C	
Upper Division Elective OR JPN 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ 4** (400-Level) Japanese Elective	3	C
★ Upper Division JPN Restricted Electives	3	C
Complete 3 courses: Upper Division Elective	9	
Term hours subtotal:	15	

- Attend a **Career Services** workshop or Job Fair.

Hide Course List(s)/Track Group(s)

Upper-division JPN Restricted Electives	Related Area Courses	Japanese 400-Level Elective
JPN 309: Japanese Oral Communication I	ARS 472: Art of China (HU)	JPN 415: Advanced Classical Japanese
JPN 310: Japanese Oral Communication II	ARS 473: Art of Japan (HU)	JPN 445: Readings in Modern Japanese Letters and Culture
JPN 311: Japanese Composition I (G)	ARS 475: Chinese Painting (HU)	JPN 484: Internship
JPN 394: Special Topics	CHI 120: Introduction to Chinese Culture (L or HU)	JPN 485: Japanese Literature and the Art of Translation
JPN 415: Advanced Classical Japanese	CHI 333: China (SB & H)	JPN 493: Honors Thesis (L)
JPN 445: Readings in Modern Japanese Letters and Culture	CHI 336: Interpreting China's Classics ((L or HU) & H)	JPN 494: Special Topics
JPN 485: Japanese Literature and the Art of Translation	CHI 338: Daode Jing: Way to the West (L or HU)	JPN 499: Individualized Instruction
JPN 492: Honors Directed Study	CHI 343: Daoism ((L or HU) & G & H)	
JPN 493: Honors Thesis (L)	CHI 345: Chinese Film and Civilization	
JPN 494: Special Topics	CHI 451: Chinese Cultural History I ((HU or SB) & H)	
JPN 499: Individualized Instruction	CHI 452: Chinese Cultural History II (SB & G & H)	
	GCU 326: Geography of Asia (SB & G)	
	GCU 432: Geography of China (SB & G)	
	HST 106: Asian Civilizations ((HU or SB) & G & H)	
	HST 387: Japan ((L or SB) & H)	
	HST 389: Japan Society and Values/Premod	
	KOR 250: Korean Culture and Society (HU & G)	
	KOR 321: Modern Korean Literature (HU)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Asian Pacific American Studies, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAAPABA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Related Area Courses	3	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 APA Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		

Elective	3
◆ Complete First-Year Composition requirement.	
◆ Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 46 - 60 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ APA 360: Asian Pacific American Experience ((HU or SB) & C)	3	C	• Explore an <b>internship</b>
Related Area Courses	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ APA 450: Asian Pacific American Contemporary Issues (SB & C)	3	C	• Develop your <b>professional online presence</b>
APA Upper Division Elective	3	C	
Upper Division Related Area Courses	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
APA Upper Division Elective	3	C	
Upper Division Related Area Courses	3	C	
Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ APA 484: Internship	3	C	• APA 484 requires departmental approval to enroll. • Gather <b>professional references</b>
APA Upper Division Elective	3	C	
Upper Division Related Area Courses	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ APA 499: Individualized Instruction	3	C	• APA 499 Individualized Instruction is a capstone research project determined in consultation with faculty advisor and requires departmental approval to enroll.
APA Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		

Elective

3

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR 370: Family Ethnic and Cultural  
Diversity (SB & C)

APA Elective

ASB 202: Immigration and Ethnic Relations in  
the U.S. (SB & C)

COM 371: Language, Culture, and  
Communication (SB & C & G)

ENG 333: American Ethnic Literature

ENG 460: Ethnic Women Writers

HST 325: Immigration and Ethnicity in the  
United States (SB & H & C)

JUS 320: Community and Social Justice (SB  
& C)

JUS 325: Globalization and Socio-Economic  
Justice (SB & G)

JUS 350: Immigration and Justice (SB & C)

JUS 405: Inequality, Economy and Justice ((L  
or SB) & G)

JUS 432: Racial Justice (L)

POS 439: Minority Group Politics in America  
(SB & C)

SBS 301: Cultural Diversity ((L or SB) & C)

SBS 339: Grassroots Social Movements (SB)

TCL 327: Health and Migration (SB)

TCL 410: Race, Medicine, and the Body (L)

WST 378: Global Feminist Theory (L & G)

WST 380: Race, Gender, and Class (SB & C)

WST 420: Women of Color in Film (HU & C)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Astronomical and Planetary Sciences, BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)



LAASPLSBS



Term 1 - A 0 - 11 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AST 111: Introduction to Solar Systems Astronomy (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.</li> <li>AST 111 is a session C course (15 weeks long).</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Mathematics (MA)	3	C	
Term hours subtotal:	11		
Term 1 - B 11 - 17 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 17 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ)	4	C	<ul style="list-style-type: none"> <li>AST 112 is a session C course (15 weeks long).</li> <li>Select your <a href="#">career interest areas</a> and play <a href="#">me3@ASU</a>.</li> </ul>
MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	10		
Term 2 - B 27 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 or ENG 105 or ENG 107 course(s)			
Term hours subtotal:	6		
Term 3 - A 33 - 40 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>Review the <a href="#">Career Guide for ASU Online Students</a> to learn about available career planning resources.</li> </ul>
Humanities, Arts and Design (HU)	3		

Term hours subtotal: 7



Term 3 - B 40 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
Science and Society Elective	3	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		



Term 4 - A 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>Register for a <a href="#">Handshake</a> account and participate in virtual career advising.</li> </ul>
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 4 - B 53 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SES 106: Habitable Worlds (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	7		

Term 5 - A 60 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 AST 301: Physics of Astrophysics	3	C	<ul style="list-style-type: none"> <li>AST 301 is a session C course (15 weeks long).</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 5 - B 66 - 72 Credit Hours	Hours	Minimum Grade	Notes
Astronomical and Planetary Sciences Major Electives	3-4	C	<ul style="list-style-type: none"> <li>Major Elective options vary in credit hours. Depending on chosen courses, overall elective hours may vary.</li> </ul>
Elective	3-2		
Term hours subtotal:	6		

Term 6 - A 72 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SES 350: Engineering Systems and Experimental Problem Solving	3	C	<ul style="list-style-type: none"> <li>SES 350 is a session C course (15 weeks long).</li> <li>Develop your <a href="#">professional online presence</a>.</li> </ul>
SES 376: Communicating Astronomical and Planetary Sciences I	3	C	
Term hours subtotal:	6		

Term 6 - B 78 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
SES 377: Communicating Astronomical and Planetary Sciences II	3	C	<ul style="list-style-type: none"> <li>Use <a href="#">Handshake</a> to research employment opportunities.</li> <li>Major Elective options vary in credit hours. Depending on chosen courses, overall elective hours may vary.</li> </ul>
Astronomical and Planetary Sciences Major Electives	3-4	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6-7		

Term 7 - A 84 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ AST 321: Introduction to Planetary and Stellar Astrophysics	3	C
Upper Division Science and Society Elective	3	C
Term hours subtotal:	6	

- AST 321 is a session C course (15 weeks long).
- Apply for full-time career opportunities.

Term 7 - B 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
Astronomical and Planetary Sciences Major Electives	3-4	C	<ul style="list-style-type: none"> <li>• Major Elective options vary in credit hours. Depending on chosen courses, overall elective hours may vary.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6-7		

Term 8 - A 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AST 322: Introduction to Galactic and Extragalactic Astrophysics	3	C	<ul style="list-style-type: none"> <li>• AST 322 is a session C course (15 weeks long).</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Astronomical and Planetary Sciences Major Electives	3-4	C	<ul style="list-style-type: none"> <li>• Major Elective options vary in credit hours. Depending on chosen courses, overall elective hours may vary.</li> </ul>
Upper Division Elective	3-2		
Term hours subtotal:	6		

Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Astronomical and Planetary Sciences Major Electives	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 9 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

- All students pursuing a BS or BSP degree in The College must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all 6 credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Astronomical and Planetary Sciences Major Electives	Upper Division Astronomical and Planetary Sciences Major Electives
BIO 181: General Biology I (SQ)	BIO 340: General Genetics
BIO 182: General Biology II (SG)	BIO 345: Evolution
BIO 340: General Genetics	MAT 343: Applied Linear Algebra

BIO 345: Evolution	MCO 307: The Digital Audience
CHM 113: General Chemistry I (SQ)	MCO 335: Social Media
CHM 114: General Chemistry for Engineers (SQ)	MCO 425: Digital Media Literacy I
CHM 116: General Chemistry II (SQ)	PHI 314: Philosophy of Science (HU)
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	TWC 401: Fundamentals of Technical Communication (L)
MAT 275: Modern Differential Equations (MA)	TWC 446: Technical and Scientific Reports (L)
MAT 343: Applied Linear Algebra	
MCO 307: The Digital Audience	
MCO 335: Social Media	
MCO 425: Digital Media Literacy I	
PHI 314: Philosophy of Science (HU)	
SES 141: Energy In Everyday Life (SQ)	
STP 226: Elements of Statistics (CS)	
TWC 401: Fundamentals of Technical Communication (L)	
TWC 446: Technical and Scientific Reports (L)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Biochemistry, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LABCHBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students placing into lower level math classes can still graduate in 4 years -- see an academic advisor for planning.</li> <li>Students considering advanced science degrees and those who plan to take advanced math courses should take MAT 270 in place of MAT 251.</li> <li>Select your <b>Career Interest Areas</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14-15		
Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Research the <a href="#">timeline</a> for health careers and professional program admissions requirements.</li> </ul>
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>Students who are interested in graduate degrees in natural sciences or health-related professional degrees should take PHY 111</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 101: Introduction to Physics (SQ)	4	C	
BIO 182: General Biology II (SG)	4	C	

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

◆ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

and PHY 113 instead of PHY 101 in this term. Then, complete PHY 112 and PHY 114 in the next term.

- Research [admission requirements for health-related professional schools](#).
- Discuss [study abroad opportunities](#) with a School of Molecular Sciences advisor.

Term 4 45 - 59 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ CHM 234: General Organic Chemistry II	3	C	<ul style="list-style-type: none"> <li>• Due to lower-division pre-requisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) courses.</li> <li>• Connect with a Career Advisor by registering for a <a href="#">Handshake</a> account.</li> </ul>
CHM 238: General Organic Chemistry Laboratory II	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
◆ Complete PHY 101 OR PHY 112 AND PHY 114 course(s).			
Term hours subtotal:	14		

Term 5 59 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BCH 341: Physical Chemistry with a Biological Focus	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
BCH 461: General Biochemistry	3	C	
CHM 302: Environmental Chemistry OR CHM 325: Analytical Chemistry	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
BCH 462: General Biochemistry	3	C	<ul style="list-style-type: none"> <li>• Explore internship opportunities in <a href="#">industry</a> and <a href="#">health fields</a>.</li> <li>• This is an ideal semester to <a href="#">study abroad</a>. BCH course may be taken in the final two terms.</li> </ul>
Advanced BIO Elective	3-4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BCH 467: Analytical Biochemistry Laboratory (L)	3	C	<ul style="list-style-type: none"> <li>• Upper Division BCH or CHM Electives must be completed at Tempe campus and cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, or CHM 480.</li> </ul>
BCH OR CHM Upper Division Elective	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR BCH 484: Internship	3		
Term hours subtotal:			

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH OR CHM Upper Division Elective	3	C	• Apply for full-time career opportunities.
Complete 4 courses: Upper Division Elective	12		
Term hours subtotal:	15		

- With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)

Advanced BIO Elective
BIO 201: Human Anatomy and Physiology I (SG)
BIO 302: Cancer--Mother of All Diseases (L)
BIO 325: Oceanography or CHM 385: Oceanography
BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins
BIO 351: Developmental Biology
BIO 353: Cell Biology
BIO 360: Animal Physiology
BIO 431: Genes, Development, and Evolution (L)
MIC 205: Microbiology (SG)
MIC 206: Microbiology Laboratory (SG)
MIC 220: Biology of Microorganisms
MIC 461: Geomicrobiology

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.



**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Biochemistry, BA

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)



LABCHBA

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <a href="#">Career Interest Areas</a> and play <a href="#">me3@ASU</a>.</li> <li>Due to lower-division pre-requisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) courses.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 251: Calculus for Life Sciences (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - A 13 - 21 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Research the <a href="#">timeline</a> for health careers and professional program admissions preparation.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	8		

Term 2 - B 21 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 8

Term 3 - A 29 - 37 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ PHY 101: Introduction to Physics (SQ)

4 C

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Term hours subtotal: 8

- Research [admission requirements](#) for health-related professional schools.
- Students who are interested in graduate degrees in natural sciences or health-related professional degrees should take PHY 111 and PHY 113 instead of PHY 101 in this term. Then, complete PHY 112 and PHY 114 in the next term.

Term 3 - B 37 - 44 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Computer/Statistics/Quantitative Applications (CS) 3

❗ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 44 - 51 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ BIO 181: General Biology I (SQ)

4 C

❗ CHM 233: General Organic Chemistry I

3 C

Term hours subtotal: 7

- Connect with a Career Advisor by registering for a [Handshake](#) account.

Term 4 - B 51 - 58 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ CHM 234: General Organic Chemistry II

3 C

BIO 182: General Biology II (SG) 4 C

❗ Complete PHY 101 OR PHY 112 AND PHY 114 course(s).

Term hours subtotal: 7

Summer 4 58 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ CHM 237: General Organic Chemistry Laboratory I

1 C

CHM 238: General Organic Chemistry Laboratory II 1 C

Term hours subtotal: 2

- ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.

Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BCH 341: Physical Chemistry with a Biological Focus

3 C

- Create a first draft [resume](#).

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 6

Term 5 - B 66 - 72 Credit Hours	Hours	Minimum Grade	Notes
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Social-Behavioral Sciences (SB) AND Global Awareness (G) 3

Upper Division Elective OR BCH 484: Internship 3

Term hours subtotal: 6

- Explore internship opportunities in industry and health fields.

Term 6 - A 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CHM 325: Analytical Chemistry 3 C

Humanities, Arts and Design (HU) 3

Term hours subtotal: 6

Term 6 - B 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Advanced BIO Elective 3-4 C

Upper Division Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6-7

Term 7 - A 84 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Upper Division Elective 3

★ BCH OR CHM Upper Division Elective 3 C

Upper Division Elective 3

Term hours subtotal: 9

- Consider taking BCH 463 as the BCH OR CHM Upper Division Elective in this term.

Term 7 - B 93 - 102 Credit Hours	Hours	Minimum Grade	Notes
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Literacy and Critical Inquiry (L) 3

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Upper Division Elective 3

Term hours subtotal: 9

Term 8 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BCH OR CHM Upper Division Elective 3 C

BCH 461: General Biochemistry 3 C

Term hours subtotal: 6

- Apply for full-time career opportunities.
- Consider taking CHM 394 or CHM 433 for the BCH OR CHM Upper Division Elective in this term for session A.
- Consider taking CHM 453 for the BCH OR CHM Upper Division elective in this term for session B.

Term 8 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
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BCH 462: General Biochemistry 3 C

Upper Division Elective 3

Term hours subtotal: 6

Summer 8 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BCH 467: Analytical Biochemistry Laboratory (L)	3	C	<ul style="list-style-type: none"> <li>ASU Online students will complete all experiments for the Analytical Biochemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

- With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)

Advanced BIO Elective
BIO 201: Human Anatomy and Physiology I (SG)
BIO 340: General Genetics
BIO 351: Developmental Biology
BIO 353: Cell Biology
BIO 360: Animal Physiology
MIC 205: Microbiology (SG)
MIC 206: Microbiology Laboratory (SG)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map

### Biochemistry, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LABCHBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students placing in lower level math classes can still graduate in four years. See an academic advisor for planning.</li> <li>Select your <a href="#">Career Interest Areas</a> and play <a href="#">me3@ASU</a>.</li> </ul>
MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		
Term 2 14 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>Research <a href="#">timeline</a> for health careers and professional program admissions preparation.</li> </ul>
CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 28 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>Research <a href="#">admission requirements</a> for health-related professional schools.</li> <li>Discuss <a href="#">study abroad opportunities</a> with a School of Molecular Sciences advisor.</li> </ul>
CHM 237: General Organic Chemistry Laboratory I	1	C	
PHY 111: General Physics (SQ)	3	C	
BIO 182: General Biology II (SG)	4	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		

❗ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 43 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ PHY 112: General Physics (SQ)	3	C	<ul style="list-style-type: none"> <li>• Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and Science and Society courses.</li> <li>• Connect with a Career Advisor by registering for a <a href="#">Handshake</a> account.</li> </ul>
CHM 234: General Organic Chemistry II	3	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	17		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 341: Physical Chemistry with a Biological Focus	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
BCH 461: General Biochemistry	3	C	
Advanced BIO Elective	3-4	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	15-16		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BCH 462: General Biochemistry	3	C	<ul style="list-style-type: none"> <li>• This is an ideal semester to <a href="#">study abroad</a>. BCH courses may be taken in the final two terms.</li> <li>• Explore internship opportunities in <a href="#">industry</a> and <a href="#">health fields</a>.</li> </ul>
BCH 463: Biophysical Chemistry	3	C	
Advanced BIO Elective	3-4	C	
Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 467: Analytical Biochemistry Laboratory (L)	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time <a href="#">career opportunities</a>.</li> </ul>
Upper Division Science and Society Elective	3	C	
Upper Division Elective OR BCH 484: Internship	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH OR CHM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Upper Division BCH or CHM Elective must be completed at Tempe campus and cannot</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses:			



- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

## Hide Course List(s)/Track Group(s)

## Advanced BIO Elective

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

BIO 302: Cancer--Mother of All Diseases (L)

BIO 325: Oceanography or CHM 385: Oceanography

BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins

BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 360: Animal Physiology

BIO 440: Functional Genomics

BIO 446: Principles of Human Genetics (L)

BIO 450: Advanced Developmental Biology

BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging

BIO 465: Neurophysiology

MBB 343: Genetic Engineering and Society (L)

MBB 350: Applied Genetics

MIC 205: Microbiology (SG)

MIC 206: Microbiology Laboratory (SG)

MIC 220: Biology of Microorganisms

MIC 360: Bacterial Physiology

MIC 379: Medical Bacteriology

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Biochemistry, BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)



LABCHBS




In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
MAT 266: Calculus for Engineers II (MA)	3	C	
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>If interested in health-related professional programs, research the <a href="#">timeline</a> for admissions preparation and <a href="#">general admission requirements</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 27 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ PHY 111: General Physics (SQ)	3	C
PHY 113: General Physics Laboratory (SQ)	1	C
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Term hours subtotal:	7	

- Review the [Career Guide for ASU Online students](#) to learn about available career planning resources.

Term 3 - B 34 - 41 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ PHY 112: General Physics (SQ)	3	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
Literacy and Critical Inquiry (L)	3		
❖ Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 41 - 47 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ CHM 233: General Organic Chemistry I	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

- Register for a [Handshake](#) account and participate in [virtual career advising](#).

Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
CHM 234: General Organic Chemistry II	3	C	
Elective	3		
Term hours subtotal:	6		

- Plan for in-person laboratory attendance in Summer. Talk with your academic advisor.

Summer 4 53 - 55 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ CHM 237: General Organic Chemistry Laboratory I	1	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
Term hours subtotal:	2		

- ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.

Term 5 - A 55 - 62 Credit Hours Necessary course signified by ❖	Hours	Minimum Grade	Notes
★ BIO 181: General Biology I (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

- Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and Science and Society courses.
- Build your professional connections -- join the [ASU Mentor Network](#).

Term 5 - B 62 - 69 Credit Hours	Hours	Minimum Grade	Notes
BIO 182: General Biology II (SG)	4	C	
Science and Society Elective	3	C	
Term hours subtotal:	7		

Term 6 - A 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BCH 341: Physical Chemistry with a Biological Focus	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	6	

Term 6 - B 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BCH 463: Biophysical Chemistry	3	C	• Create a first draft <b>resume</b> .
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 461: General Biochemistry	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
BCH 462: General Biochemistry	3	C	• View <b>career webinars</b> offered by Career and Professional Development Center.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Advanced BIO Elective	3-4	C	
Upper Division Elective	3		
Term hours subtotal:	6-7		

Term 8 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Advanced BIO Elective	3-4	C	• Plan for in-person laboratory attendance in Summer. Talk with your academic advisor. • Apply for <b>full-time career opportunities</b> .
Upper Division Elective	3		
Term hours subtotal:	6-7		

Summer 8 105 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 467: Analytical Biochemistry Laboratory (L)	3	C	• ASU Online students will complete all experiments for the Analytical Biochemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.
Term hours subtotal:	3		

Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH OR CHM Upper Division Elective	3	C	• Upper Division BCH or CHM Elective cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, or CHM 480. Talk with your academic advisor for options.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
  - With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)

Advanced BIO Elective
BIO 201: Human Anatomy and Physiology I (SG)
BIO 202: Human Anatomy and Physiology II (SG)
BIO 340: General Genetics
BIO 351: Developmental Biology
BIO 353: Cell Biology
BIO 360: Animal Physiology
MIC 205: Microbiology (SG)
MIC 206: Microbiology Laboratory (SG)
MIC 220: Biology of Microorganisms

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map

### Biochemistry (Medicinal Chemistry), BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LABCHMBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students placing into lower level math courses can still graduate in 4 years -- see an academic advisor for planning.</li> <li>Select your <a href="#">Career Interest Areas</a> and play <a href="#">me3@ASU</a>.</li> </ul>
MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA)	4-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15-14		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>Research <a href="#">timeline</a> for health careers and professional program admissions preparation.</li> </ul>
CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA)	4-3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-14		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>Research <a href="#">admission requirements</a> for health-related professional schools.</li> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
CHM 237: General Organic Chemistry Laboratory I	1	C	
PHY 111: General Physics (SQ)	3	C	
BIO 182: General Biology II (SG)	4		
PHY 113: General Physics Laboratory (SQ)	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		



📌 Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours Critical course signified by 📌	Hours	Minimum Grade	Notes
📌 PHY 112: General Physics (SQ)	3	C	<ul style="list-style-type: none"> <li>• Due to lower-division pre-requisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and Science and Society courses.</li> <li>• Explore internship opportunities within <b>industry and health fields</b>.</li> <li>• Discuss <b>study abroad</b> opportunities with a School of Molecular Sciences advisor.</li> </ul>
CHM 234: General Organic Chemistry II	3	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Elective	4		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ BCH 341: Physical Chemistry with a Biological Focus	3	C	<ul style="list-style-type: none"> <li>• Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> <li>• Students choosing BIO 353 &amp; CHM 343 should take a 3 credit hour elective in term 6.</li> </ul>
BCH 461: General Biochemistry	3	C	
BIO 353: Cell Biology OR BIO 360: Animal Physiology	3		
CHM 343: Elementary Physical Chemistry Laboratory OR BIO 361: Animal Physiology Laboratory	2		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	1		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
BCH 462: General Biochemistry	3	C	<ul style="list-style-type: none"> <li>• This is an ideal semester to <b>study abroad</b>. BCH courses may be taken in final two terms.</li> </ul>
BCH 463: Biophysical Chemistry	3	C	
Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ CHM 433: Advanced Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
BCH 467: Analytical Biochemistry Laboratory (L)	3	C	
Upper Division Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR BCH 484: Internship	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ CHM 435: Medicinal Chemistry	3	C	<ul style="list-style-type: none"> <li>• Upper Division BCH or CHM Elective must be completed at Tempe campus and cannot</li> </ul>
BCH OR CHM Upper Division Elective	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, or CHM 480.
<hr/>		
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:		15

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Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Biochemistry (Medicinal Chemistry), BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)



LABCHMBS




In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.


These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <a href="#">Career Interest Areas</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Research <a href="#">timelines</a> for health careers and professional program admissions preparation.</li> </ul>
MAT 266: Calculus for Engineers II (MA)	3		
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 27 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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⚠️ PHY 111: General Physics (SQ)	3	C
PHY 113: General Physics Laboratory (SQ)	1	C
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
Term hours subtotal:	7	

- Research **admission requirements** for health-related professional schools.
- Create a first draft **resume**.
- Due to lower-division pre-requisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and Science and Society courses.

Term 3 - B 34 - 41 Credit Hours Critical course signified by ⚠️	Hours	Minimum Grade	Notes
⚠️ PHY 112: General Physics (SQ)	3	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
Literacy and Critical Inquiry (L)	3		
Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 41 - 48 Credit Hours Critical course signified by ⚠️	Hours	Minimum Grade	Notes
⚠️ BIO 181: General Biology I (SQ)	4	C	
⚠️ CHM 233: General Organic Chemistry I	3	C	
Term hours subtotal:	7		

- Explore internship opportunities within **industry and health fields**.

Term 4 - B 48 - 55 Credit Hours	Hours	Minimum Grade	Notes
BIO 182: General Biology II (SG)	4		
CHM 234: General Organic Chemistry II	3	C	
Term hours subtotal:	7		

Summer 4 55 - 57 Credit Hours Critical course signified by ⚠️	Hours	Minimum Grade	Notes
⚠️ CHM 237: General Organic Chemistry Laboratory I	1	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
Term hours subtotal:	2		

- ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.

Term 5 - A 57 - 63 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ BCH 341: Physical Chemistry with a Biological Focus	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

- Connect with a Career Advisor by registering for a **Handshake** account.

Term 5 - B 63 - 70 Credit Hours	Hours	Minimum Grade	Notes
BCH 463: Biophysical Chemistry	3	C	
Upper Division Elective	4		
Term hours subtotal:	7		

Term 6 - A 70 - 76 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
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★ BIO 353: Cell Biology OR BIO 360: Animal Physiology	3
Humanities, Arts and Design (HU)	3
Term hours subtotal:	6

Term 6 - B 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
CHM 343: Elementary Physical Chemistry Laboratory OR BIO 361: Animal Physiology Laboratory	2		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	5		

Term 7 - A 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 461: General Biochemistry	3	C	• Apply for full-time career opportunities.
Elective	3		
Term hours subtotal:	6		

Term 7 - B 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
BCH 462: General Biochemistry	3	C	
Science and Society Elective	3	C	
Term hours subtotal:	6		

Summer 7 93 - 96 Credit Hours	Hours	Minimum Grade	Notes
BCH 467: Analytical Biochemistry Laboratory (L)	3	C	• ASU Online students will complete all experiments for the Analytical Biochemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.
Term hours subtotal:	3		

Term 8 - A 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 433: Advanced Organic Chemistry I	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
BCH OR CHM Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - A 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Science and Society Elective	3	C	• Explore an internship.
Upper Division Elective OR BCH 484: Internship	3		
Term hours subtotal:	6		

		Minimum Grade	
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Term 9 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ CHM 435: Medicinal Chemistry	3	C	
Elective	3		
Term hours subtotal:	6		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Biological Sciences, BS



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)



LABSCBS



Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>LIA 101, ASU 101, or other First-Year Seminar required of all first-year students</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a student <b>organization</b></li> <li>Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Pre-Health 101</b> session</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the pre-health <b>website</b> for more information</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>It is not recommended to take more than two lab courses in a term.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ)	3		
CHM 235: Elementary Organic Chemistry Laboratory (SQ)	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

- Attend a [Study Abroad 101 Session](#)
- Explore [minors or certificates](#)

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of the elective in this term. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Explore or pursue <a href="#">internship opportunities</a></li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Upper Division Additional Major Requirement Course	3-4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15-16		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Major Laboratory/Research Course	1-4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time opportunities</li> </ul>
PHY 101: Introduction to Physics (SQ)	4	C	
Upper Division Additional Major Requirement Course	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR BIO 484: Internship OR MIC 484: Internship	3		
Term hours subtotal:	14-17		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Upper Division Additional Major Requirement Course	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective in this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Explore graduate school or full-time opportunities</li> </ul>
Upper Division Major Laboratory/Research Course	2-4	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	7		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-17		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Major Elective Course	3	C	<ul style="list-style-type: none"> <li>• <a href="#">Explore</a> or apply for full-time career opportunities or graduate school</li> <li>• Meet with your <a href="#">advisor</a> to verify remaining degree requirements have been met prior to Term 8</li> </ul>
Upper Division Additional Major Requirement Course	3-4	C	
Upper Division Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15-16		



Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Elective Course	3	C	• Continue to apply for full-time career opportunities or graduate school
Upper Division Additional Major Requirement Course	3	C	
Science and Society Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

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Hide Course List(s)/Track Group(s)

Major Laboratory/Research Courses	Major Elective Courses	Additional Major Requirements Courses
BCH 367: Elementary Biochemistry Laboratory	BIO OR HPS OR MBB OR MIC 3** Elective	<b>Ethics, History, and Philosophy of Science</b>
BIO 308: Plant Physiology	BIO OR HPS OR MBB OR MIC 4** Elective	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 321: Introductory Ecology Laboratory	BCH 361: Advanced Principles of Biochemistry	HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)
BIO 342: General Genetics Laboratory		<b>Ecology, Conservation Biology and Evolution</b>
BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)		BIO 320: Fundamentals of Ecology
BIO 352: Laboratory in Vertebrate Developmental Anatomy		BIO 322: Conservation of Biodiversity
BIO 354: Cell Biology Laboratory		BIO 421: Landscape Ecology
BIO 357: Cell and Molecular Biology Laboratory		BIO 422: Ecosystem Ecology
BIO 361: Animal Physiology Laboratory		BIO 423: Population and Community Ecology
BIO 370: Vertebrate Zoology		<b>Microbiology, Molecular, &amp; Cellular Biology</b>
BIO 385: Comparative Invertebrate Zoology		BCH 361: Advanced Principles of Biochemistry
BIO 386: General Entomology		BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)
BIO 415: Statistical Models for Biology (CS)		BIO 351: Developmental Biology
BIO 435: Research Techniques in Animal Behavior		BIO 353: Cell Biology
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging		BIO 440: Functional Genomics
BIO 471: Ornithology		BIO 420: Immunology: Molecular and Cellular Foundations or MIC 420: Immunology: Molecular and Cellular
BIO 474: Herpetology		
BIO 475: Advanced Human Anatomy		

BIO 484: Internship or MIC 484: Internship

BIO 495: Undergraduate Research or MBB  
495: Undergraduate Research or MIC 495:  
Undergraduate Research

MBB 350: Applied Genetics

MIC 220: Biology of Microorganisms AND  
MIC 206: Microbiology Laboratory (SG)

MIC 302: Advanced Bacteriology Laboratory  
(L)

#### Additional Major Requirements Courses

##### **Ethics, History, and Philosophy of Science**

BIO 311: Biology and Society or HPS 340:  
Biology and Society

BIO 312: Bioethics (HU) or PHI 320:  
Bioethics (HU)

HPS 314: Philosophy of Science (HU) or PHI  
314: Philosophy of Science (HU)

BIO 318: History of Medicine (HU & H) or  
HPS 331: History of Medicine (HU & H)

BIO 416: Biomedical Research Ethics (L) or  
HPS 410: Biomedical Research Ethics (L)

##### **Ecology, Conservation Biology and Evolution**

BIO 320: Fundamentals of Ecology

BIO 322: Conservation of Biodiversity

BIO 421: Landscape Ecology

BIO 422: Ecosystem Ecology

BIO 423: Population and Community Ecology

##### **Microbiology, Molecular, & Cellular Biology**

BCH 361: Advanced Principles of  
Biochemistry

BIO 343: Genetic Engineering and Society (L)  
or MBB 343: Genetic Engineering and Society  
(L)

BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 440: Functional Genomics

Foundations or MIC 220: Biology of  
Microorganisms AND MIC 206:  
Microbiology Laboratory (SG)

##### **Organismal Biology**

BIO 308: Plant Physiology

BIO 331: Animal Behavior

BIO 360: Animal Physiology

BIO 370: Vertebrate Zoology

BIO 461: Comparative Animal Physiology

BIO 462: Endocrine Physiology

BIO 467: Neurobiology

BIO 420: Immunology: Molecular and Cellular Foundations or MIC 420: Immunology: Molecular and Cellular Foundations

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MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)

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### Organismal Biology

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BIO 308: Plant Physiology

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BIO 331: Animal Behavior

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BIO 360: Animal Physiology

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BIO 370: Vertebrate Zoology

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BIO 461: Comparative Animal Physiology

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BIO 462: Endocrine Physiology

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BIO 467: Neurobiology

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### Notes:

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map



### Biological Sciences, BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)

LABSCBS



Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
 BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	8		




Term 1 - B 8 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Create a resume &amp; <a href="#">Handshake account</a> with the Career &amp; Professional Development Center to explore research or internship opportunities</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Join a <a href="#">student organization</a></li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
MAT 251: Calculus for Life Sciences (MA)	3	C	
Term hours subtotal:	7		



Term 2 - A 15 - 22 Credit Hours	Hours	Minimum Grade	Notes
CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>If interested in health-related professional programs, research the <a href="#">timeline</a> for admissions preparation and <a href="#">general admission requirements</a>.</li> </ul>
STP 231: Statistics for Life Science (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement

Term 3 - A 29 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>• Due to lower-division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and The College Science and Society courses.</li> <li>• It is not recommended to take more than two lab courses in a term.</li> <li>• Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		

Term 3 - B 36 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 42 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Evolution	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">professional online presence</a></li> <li>• Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the <a href="#">pre-health website</a> for more information</li> <li>• If CHM 233 is taken, then CHM 234 must be taken the following semester</li> <li>• Organic Chemistry labs (CHM 237 for CHM 233, and CHM 238 for CHM 234) are required and available at ASU over the summer. Please speak with an advisor for more information.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ)	3	C	
Term hours subtotal:	6		

Term 4 - B 48 - 55 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Elective	4		
Term hours subtotal:	7		

Summer 4 55 - 56 Credit Hours	Hours	Minimum Grade	Notes
CHM 235: Elementary Organic Chemistry Laboratory (SQ)	1	C	<ul style="list-style-type: none"> <li>• ASU Online students will complete all experiments for the CHM 235 organic chemistry lab at the Tempe Campus of ASU</li> </ul>
Term hours subtotal:	1		

during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.

- Pre-health students will complete CHM 237 and CHM 238 organic chemistry labs instead of CHM 235.

Term 5 - A 56 - 63 Credit Hours	Hours	Minimum Grade	Notes
PHY 101: Introduction to Physics (SQ)	4	C	<ul style="list-style-type: none"> <li>• Due to lower-division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and The College Science and Society courses.</li> <li>• If interested in health-related professional programs, use <a href="#">ASU's Health Professions Advising</a> to prepare for application.</li> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time <a href="#">career opportunities</a></li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 5 - B 63 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Major Requirement Course	3-4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See the pre-health <a href="#">website</a> for more information</li> <li>• <a href="#">Network</a> in your career interest area.</li> </ul>
Elective	3		
Term hours subtotal:	6-7		

Term 6 - A 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Major Requirement Course	3	C	<ul style="list-style-type: none"> <li>• Work with your academic advisor to align your additional major requirement and major elective courses with your career aspirations</li> <li>• Use <a href="#">Handshake</a> to research employment opportunities</li> </ul>
Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 75 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Major Laboratory Research Course	1	C	
★ Upper Division Additional Major Requirement Course	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	7		

Term 7 - A 82 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Major Laboratory Research Course	2-4	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Term hours subtotal: 5-7

- Meet with your advisor to verify remaining degree requirements have been met prior to Term 8
- **Explore** or apply for full-time career opportunities or graduate school

Term 7 - B 87 - 96 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Major Elective Course	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - A 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

- Explore other resources available through ASU's **Career and Professional Development Center**

Term 8 - B 102 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Major Elective Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- Gather **professional references**

Term 9 - A 108 - 114 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Additional Major Requirement Course	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Upper Division Additional Major Requirement Course	3	C	
Elective	3		
Term hours subtotal:	6		

- Continue to apply for **full-time career opportunities** or **graduate school**

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Major Laboratory Research Course	Major Electives	Additional Major Requirements Courses
BCH 367: Elementary Biochemistry Laboratory	BIO OR HPS OR MBB OR MIC 3** Elective	<b>Ethics, History, and Philosophy of Science</b>
BIO 321: Introductory Ecology Laboratory	BIO OR HPS OR MBB OR MIC 4** Elective	BIO 311: Biology and Society or HPS 340: Biology and Society

BIO 357: Cell and Molecular Biology Laboratory	BCH 361: Advanced Principles of Biochemistry	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 361: Animal Physiology Laboratory		BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H)
BIO 370: Vertebrate Zoology		BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)
BIO 415: Statistical Models for Biology (CS)		HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)
BIO 475: Advanced Human Anatomy		<b>Ecology, Conservation Biology and Evolution</b>
BIO 484: Internship		BIO 320: Fundamentals of Ecology
BIO 495: Undergraduate Research		BIO 322: Conservation of Biodiversity
MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)		BIO 422: Ecosystem Ecology
		BIO 423: Population and Community Ecology
		<b>Microbiology, Molecular, &amp; Cellular Biology</b>
		BCH 361: Advanced Principles of Biochemistry
		BIO 351: Developmental Biology
		BIO 353: Cell Biology
		BIO 440: Functional Genomics
		BIO 420: Immunology: Molecular and Cellular Foundations or MIC 420: Immunology: Molecular and Cellular Foundations
		MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)
		<b>Organismal Biology</b>
		BIO 331: Animal Behavior
		BIO 360: Animal Physiology
		BIO 370: Vertebrate Zoology
		BIO 462: Endocrine Physiology

**Notes:**

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- Mathematics Placement Assessment score determines placement in first mathematics course.
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**Cumulative GPA:** 2.00 minimum

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**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

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### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Biological Sciences (Biology and Society), BS



School/College: [The College of Liberal Arts and Sciences](#)




Location: [Tempe campus](#)





LABSCSBS




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>LIA 101, ASU 101, or other First-Year Seminar required of all first-year students</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student organization</b></li> <li>Create a resume &amp; <b>Handshake</b> account with the <b>Career &amp; Professional Development Center</b></li> <li>Explore <b>Research Opportunities</b></li> <li>Attend a <b>Pre-Health 101 Session</b></li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of the elective in this term. See pre-health <b>website</b> for more information.</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>It is not recommended to take more than two lab courses in a term.</li> </ul>
BIO 311: Biology and Society OR HPS 340: Biology and Society	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

- BIO 311 or HPS 340 will fulfill the upper-division Science and Society requirement for The College
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a [Study Abroad 101 Session](#)
- Explore [minors and certificates](#)

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of the elective in this term. See pre-health <a href="#">website</a> for more information.</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore or pursue <a href="#">internship opportunities</a></li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional <a href="#">skills</a></li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Major Biological Sciences Elective	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and 113 instead of an elective this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Some upper-division Science in Contemporary Society Interface courses require lower-division prerequisites which may be taken as electives</li> <li>• Explore graduate school or full-time <a href="#">career opportunities</a></li> </ul>
 Upper Division Science in Contemporary Society Interface Course	3	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 314: Research Colloquium in Biology and Society I (L)	2	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and 114 instead of electives this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Research <a href="#">employment opportunities</a> or graduate school programs</li> </ul>
 Upper Division History and Philosophy of Science Interface Course	3	C	
Upper Division Ethics Interface Course	3	C	
Complete 2 courses:	7		
Elective			
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Additional Major Core Elective Courses	3	C	<ul style="list-style-type: none"> <li>• Students who complete less than 3 hours of BIO 484 or BIO 492 or BIO 495 should plan to complete additional elective hours to reach</li> </ul>
 Upper Division Major Biological Sciences Elective	3	C	

BIO 484: Internship OR BIO 492: Honors Directed Study OR BIO 495: Undergraduate Research	1
Upper Division Elective	2
Complete 2 courses: Elective	6
Term hours subtotal:	15

the minimum 120 total hours required for this degree.

- BIO 484 or BIO 492 or BIO 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own.
- Meet with your **advisor** to verify remaining degree requirements have been met prior to Term 8
- Explore or apply for **full-time career opportunities or graduate school**

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 414: Research Colloquium in Biology and Society II (L)	1	C	
★ Complete 2 courses: Upper Division Major Biological Sciences Elective	6	C	<ul style="list-style-type: none"> <li>• Continue to apply for <b>full-time career opportunities or graduate school</b></li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	2		
Term hours subtotal:	12		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Science in Contemporary Society Interface Courses	Major Biological Sciences Elective Courses	Additional Major Core Elective Courses
AFR 383: Blacks in Science, Medicine and Public Health	BIO OR HPS OR MBB OR MIC 3** Elective	AFR 383: Blacks in Science, Medicine and Public Health
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)	BIO OR HPS OR MBB OR MIC 4** Elective	ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)
BIO 302: Cancer--Mother of All Diseases (L)	BCH 361: Advanced Principles of Biochemistry	ASB 357: Society, Drugs and Health (SB & G)
BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)		BIO 302: Cancer--Mother of All Diseases (L)
BIO 317: History of Science II (HU & H) or HPS 323: History of Science II (HU & H)		BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)
BIO 322: Conservation of Biodiversity		BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 323: Ecosystem Restoration and Management		BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H)
BIO 412: Conservation in Practice or SOS 412: Conservation in Practice		BIO 322: Conservation of Biodiversity

MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society

WST 340: Gender, Science, and Technology (SB)

WST 360: Women as Healers (SB & G)

BIO 323: Ecosystem Restoration and Management

BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)

BIO 412: Conservation in Practice or SOS 412: Conservation in Practice

BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)

HPS 313: Probability, Evidence, and Decision or PHI 313: Probability, Evidence, and Decision

HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)

HPS 322: History of Science I (HU & H)

HPS 323: History of Science II (HU & H) or BIO 317: History of Science II (HU & H)

HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)

HPS 336: Exploration and Science (SB & H)

MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society

WST 340: Gender, Science, and Technology (SB)

WST 360: Women as Healers (SB & G)

#### History and Philosophy of Science Interface Courses

ASB 357: Society, Drugs and Health (SB & G)

BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H)

HPS 313: Probability, Evidence, and Decision or PHI 313: Probability, Evidence, and Decision

HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)

HPS 322: History of Science I (HU & H)

HPS 323: History of Science II (HU & H) or BIO 317: History of Science II (HU & H)

HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)

HPS 336: Exploration and Science (SB & H)

#### Ethics Interface Courses

BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)

BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)

BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)

**Notes:**

- - **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map



### Biological Sciences (Biology and Society), BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)

LABSCSBS

Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
 BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	8		

Term 1 - B 8 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Create a resume &amp; <a href="#">Handshake</a> account with the Career &amp; Professional Development Center to explore research or internship opportunities</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Join a <a href="#">student organization</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 2 - A 15 - 22 Credit Hours	Hours	Minimum Grade	Notes
CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> </ul>
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	7		

Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>If interested in health-related professional programs, research the <a href="#">timeline</a> for admissions preparation and <a href="#">general admission requirements</a>.</li> </ul>
MAT 251: Calculus for Life Sciences (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement

Term 3 - A 29 - 35 Credit Hours	Hours	Minimum Grade	Notes
BIO 311: Biology and Society OR HPS 340: Biology and Society	3	C	<ul style="list-style-type: none"> <li>• Due to lower-division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and The College Science and Society courses.</li> <li>• It is not recommended to take more than two lab courses in a term.</li> <li>• Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Term 3 - B 35 - 42 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 42 - 48 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ BIO 345: Evolution	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 4 - B 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	6		

Term 5 - A 54 - 60 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Science in Contemporary Society Interface Course	3	C	<ul style="list-style-type: none"> <li>• If interested in health-related professional programs, use <a href="#">ASU's Health Professions Advising</a> to prepare for application.</li> <li>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time <a href="#">career opportunities</a></li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 5 - B 60 - 66 Credit Hours	Hours	Minimum Grade	Notes
Science and Society Elective	3	C	



Social-Behavioral Sciences (SB) 3

Term hours subtotal: 6

- **Network** in your career interest area.

Term 6 - A 66 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 314: Research Colloquium in Biology and Society I (L)	2	C	<ul style="list-style-type: none"> <li>• Work with your academic advisor to align your additional major requirement and major elective courses with your career aspirations</li> <li>• Use <b>Handshake</b> to research employment opportunities</li> </ul>
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	8		

Term 6 - B 74 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Major Core Elective Courses	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 80 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Biological Sciences Elective	3	C	<ul style="list-style-type: none"> <li>• Meet with your advisor to verify remaining degree requirements have been met prior to Term 8</li> <li>• <b>Explore</b> or apply for full-time career opportunities or graduate school</li> </ul>
BIO 484: Internship OR BIO 495: Undergraduate Research	1		
Elective	3		
Term hours subtotal:	7		

Term 7 - B 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Ethics Interface Course	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - A 93 - 100 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Biological Sciences Elective	3	C	<ul style="list-style-type: none"> <li>• Explore other resources available through ASU's <b>Career and Professional Development Center</b></li> </ul>
Upper Division Elective	4		
Term hours subtotal:	7		

Term 8 - B 100 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Biological Sciences Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b></li> </ul>
BIO 414: Research Colloquium in Biology and Society II (L)	1	C	
Elective	3		
Term hours subtotal:	7		

Term 9 - A 107 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Biological Sciences Elective	3	C	
Elective	4		
Term hours subtotal:	7		

Term 9 - B 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division History and Philosophy of Science Interface Course	3	C	• Continue to apply for full-time career opportunities or graduate school
Elective	3		
Term hours subtotal:	6		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Science in Contemporary Society Interface Courses	Major Biological Sciences Elective Courses	Additional Major Core Elective Courses
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)	BIO OR HPS 3** Elective	ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)
BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)	BIO OR HPS 4** Elective	ASB 357: Society, Drugs and Health (SB & G)
BIO 317: History of Science II (HU & H) or HPS 323: History of Science II (HU & H)	BCH 361: Advanced Principles of Biochemistry	BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)
BIO 322: Conservation of Biodiversity		BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
BIO 412: Conservation in Practice or SOS 412: Conservation in Practice		BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H)
MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society		BIO 317: History of Science II (HU & H) or HPS 323: History of Science II (HU & H)
WST 340: Gender, Science, and Technology (SB)		BIO 322: Conservation of Biodiversity
		BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)
		BIO 412: Conservation in Practice or SOS 412: Conservation in Practice
		BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)
		HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)
		HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)
		MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society
		WST 340: Gender, Science, and Technology (SB)
	Ethics Interface Courses	

History and Philosophy of Science Interface Courses	BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)
ASB 357: Society, Drugs and Health (SB & G)	BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)
BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H)	BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)
BIO 317: History of Science II (HU & H) or HPS 323: History of Science II (HU & H)	
HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU)	
HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Biological Sciences (Biomedical Sciences), BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)





LABSCMBS




Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>LIA 101, ASU 101, or other First-Year Seminar is required of all first-year students</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center to explore research or internship opportunities</li> <li>Attend a <b>Pre-Health 101 Session</b></li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Join a <b>student organization</b></li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics OR MBB 347: Molecular Genetics: From Genes to Proteins	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See pre-health <a href="#">website</a> for more information.</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>It is not recommended to take more than two lab courses in a term.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships,</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ)	3	C	
CHM 235: Elementary Organic Chemistry Laboratory (SQ)	1	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		



research, student involvement, shadowing, etc.)

- Attend a [Study Abroad 101 Session](#)
- Explore [minors or certificates](#)

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of the elective in this term. See pre-health <a href="#">website</a> for more information.</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See pre-health <a href="#">website</a> for more information.</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore <a href="#">graduate school</a> or <a href="#">full-time career opportunities</a></li> </ul>
 BCH 367: Elementary Biochemistry Laboratory	1	C	
 BIO 360: Animal Physiology	3	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective in this term. See pre-health <a href="#">website</a> for more information.</li> <li>• BIO 312 or BIO 416 will be used to satisfy the upper-division Science and Society credit for The College.</li> <li>• Some upper-division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives.</li> <li>• Research <a href="#">employment opportunities</a> or <a href="#">graduate school programs</a></li> </ul>
 BIO 353: Cell Biology	3	C	
BIO 312: Bioethics (HU) OR BIO 416: Biomedical Research Ethics (L)	3	C	
Upper Division Elective	4		
Elective	2		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course	4-2	C	<ul style="list-style-type: none"> <li>• Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C	

Upper Division Literacy and Critical Inquiry (L)	3
Upper Division Elective	3
Elective	3
Term hours subtotal:	16-14

- Some upper-division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives.
- Explore or apply for **full-time career opportunities** or **graduate school**
- Meet with your **advisor** to verify remaining degree requirements have been met prior to Term 8

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology	3	C	<ul style="list-style-type: none"> <li>• Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.</li> <li>• Continue to apply for <b>full-time career opportunities</b> or <b>graduate school</b></li> </ul>
★ Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course	2-4	C	
Complete 3 courses: Elective	9		
Term hours subtotal:	14-16		

- Students must take at least one course from the Medicine in Society group and at least one course from the Biomedical Research group, and at least one of those must be a lab course.
- Some upper-division Medicine in Society Courses require lower-division prerequisites, which may be taken as electives. See list of Suggested Electives provided.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

Biomedical Research	Medicine in Society	Suggested Electives
BIO 342: General Genetics Laboratory	ASB 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H)	ASB 100: Introduction to Global Health (SB & G)
BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)	ASB 102: Introduction to Cultural Anthropology (SB & G)
BIO 352: Laboratory in Vertebrate Developmental Anatomy	ASB 452: Community Partnerships for Global Health (SB) or SSH 402: Community Partnerships for Global Health (SB)	ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H)
BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)	ASB 462: Medical Anthropology: Culture and Health (SB & C)	ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)
BIO 357: Cell and Molecular Biology Laboratory	ASM 345: Disease and Human Evolution	ASM 104: Bones, Stones, and Human Evolution (SB or SG)
BIO 361: Animal Physiology Laboratory		BIO 331: Animal Behavior
		HST 101: Global History Since 1500 (HU & H & G) or SGS 111: Global History Since 1500 (HU & H & G)

BIO 370: Vertebrate Zoology	ASM 401: Health and Human Biology	MBB 445: Techniques in Molecular Biology/Genetics or MIC 445: Techniques in Molecular Biology/Genetics
BIO 415: Statistical Models for Biology (CS)	ASM 403: Evolutionary Medicine and Global Health or BIO 403: Evolutionary Medicine and Global Health	
BIO 435: Research Techniques in Animal Behavior	ASM 414: Environmental Health (SB)	
BIO 439: Computing for Research	BIO 302: Cancer--Mother of All Diseases (L)	
BIO 450: Advanced Developmental Biology	BIO 311: Biology and Society or HPS 340: Biology and Society	
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	BIO 394: Healing Traditions of Latino-America	
BIO 475: Advanced Human Anatomy	BIO 394: Spanish for Biomedical Sciences	
BIO 492: Honors Directed Study or MBB 492: Honors Directed Study or MIC 492: Honors Directed Study	BIO 408: Advanced Evolutionary Medicine	
BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research	HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)	
BMI 465: Introduction to Comparative Genomics	MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society	
MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 446: Techniques in Molecular Biology/Genetics Lab		
MIC 421: Experimental Immunology		
MIC 425: Advanced Immunology		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map



### Biological Sciences (Biomedical Sciences), BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)

LABSCMBS

Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or other First-Year Seminar is required of all first-year students</li> </ul>
 BIO 181: General Biology I (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:		8	



Term 1 - B 8 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SQ)	4	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center to explore research or internship opportunities</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Join a <b>student organization</b></li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
MAT 251: Calculus for Life Sciences (MA)	3	C	
Term hours subtotal:		7	





Term 2 - A 15 - 22 Credit Hours	Hours	Minimum Grade	Notes
CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Select your <b>career interest areas</b> and play me3@ASU</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:		7	



Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CHM 116: General Chemistry II (SQ)	4	C	
STP 231: Statistics for Life Science (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Term hours subtotal: 7

- If interested in health-related professional programs, research the [timeline](#) for admissions preparation and [general admission requirements](#).
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement

Term 3 - A 29 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>• Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and The College Science and Society courses.</li> <li>• It is not recommended to take more than two lab courses in a term.</li> <li>• Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> </ul>
Elective	3		
Term hours subtotal:	7		

Term 3 - B 36 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Evolution	3	C	<ul style="list-style-type: none"> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 42 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 231: Elementary Organic Chemistry (SQ)	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">professional online presence</a></li> <li>• Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See <a href="#">pre-health website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following term</li> <li>• Organic Chemistry labs (CHM 237 for CHM 233, and CHM 238 for CHM 234) are required and available at ASU over the summer. Please speak with an advisor for more information.</li> </ul>
Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 4 - B 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
BIO 312: Bioethics (HU) OR BIO 416: Biomedical Research Ethics (L)	3	C	<ul style="list-style-type: none"> <li>• BIO 312 or BIO 416 may be used to satisfy the upper-division Science and Society credit for The College.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Summer 4 Session 1 54 - 55 Credit Hours	Hours	Minimum Grade	Notes
CHM 235: Elementary Organic Chemistry Laboratory (SQ)	1	C	

Term hours subtotal: 1

- ASU Online students will complete all experiments for the CHM 235 organic chemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.
- Pre-health students will complete CHM 237 and CHM 238 organic chemistry labs instead of CHM 235.

Term 5 - A 55 - 62 Credit Hours	Hours	Minimum Grade	Notes
PHY 101: Introduction to Physics (SQ)	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	7		

- Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and The College Science and Society courses.
- If interested in health-related professional programs, use [ASU's Health Professions Advising](#) to prepare for applications.
- Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health [website](#) for more information.
- Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)
- Explore [graduate school](#) or full-time [career opportunities](#).

Term 5 - B 62 - 68 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 360: Animal Physiology	3	C	
Elective	3		
Term hours subtotal:	6		

- Pre-health students should take PHY 112 and PHY 114 instead of Elective this term. See the pre-health [website](#) for more information
- [Network](#) in your career interest area.

Term 6 - A 68 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 353: Cell Biology	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

- Biochemistry lab BCH 367 is available at ASU over the summer. Please speak with an advisor for more information
- Pre-health students should take PHY 112 and PHY 114 instead of an elective in this term. See pre-health [website](#) for more information.

Term 6 - B 74 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 361: Advanced Principles of Biochemistry	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

- Biochemistry lab BCH 367 is available at ASU over the summer. Please speak with an advisor for more information.

Summer 6 Session 2 80 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BCH 367: Elementary Biochemistry Laboratory	1	C
Elective	3	
Term hours subtotal:	4	

- ASU Online students will complete all experiments for the BCH 367 biochemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.

Term 7 - A 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BIO 351: Developmental Biology OR BIO 420: Immunology:			
★ Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology	3	C	<ul style="list-style-type: none"> <li>Meet with your advisor to verify remaining degree requirements have been met prior to Term 8</li> <li>Explore or apply for full-time career opportunities or graduate school</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 7 - B 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BIO 351: Developmental Biology OR BIO 420: Immunology:			
★ Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 8 - A 96 - 99 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		<ul style="list-style-type: none"> <li>Explore other resources available through ASU's <a href="#">Career and Professional Development Center</a></li> </ul>
Term hours subtotal:	3		

Term 8 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course	3	C	<ul style="list-style-type: none"> <li>Some upper-division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives.</li> <li>Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.</li> <li>Research <a href="#">employment opportunities</a> or graduate school programs</li> <li>Gather <a href="#">professional references</a></li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C	
Term hours subtotal:	6		

Term 9 - A 105 - 113 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course	3	C	<ul style="list-style-type: none"> <li>Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.</li> <li>Some upper-division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives.</li> </ul>
Complete 2 courses:			
Elective	5		
Term hours subtotal:	8		

Term 9 - B 113 - 120 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:  
Upper Division Elective

7

- Meet with your advisor to verify remaining degree requirements have been met prior to Term 8
- Continue to apply for full-time career opportunities or graduate school

Term hours subtotal: 7

- Students must take at least one course from the Medicine in Society group and at least one course from the Biomedical Research group, and at least one of those must be a lab course.
- Some upper-division Medicine in Society Courses require lower-division prerequisites, which may be taken as electives. See list of Suggested Electives provided.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Biomedical Research	Medicine in Society	Suggested Electives
BIO 361: Animal Physiology Laboratory	ASB 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H)	ASB 100: Introduction to Global Health (SB & G)
BIO 357: Cell and Molecular Biology Laboratory		ASB 102: Introduction to Cultural Anthropology (SB & G)
BIO 370: Vertebrate Zoology	ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)	ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H)
BIO 415: Statistical Models for Biology (CS)		ASM 104: Bones, Stones, and Human Evolution (SB or SG)
BIO 475: Advanced Human Anatomy		BIO 331: Animal Behavior
BIO 484: Internship	ASB 452: Community Partnerships for Global Health (SB) or SSH 402: Community Partnerships for Global Health (SB)	HST 101: Global History Since 1500 (HU & H & G) or SGS 111: Global History Since 1500 (HU & H & G)
BIO 495: Undergraduate Research	ASB 462: Medical Anthropology: Culture and Health (SB & C)	
	ASM 345: Disease and Human Evolution	
	ASM 403: Evolutionary Medicine and Global Health	
	ASM 414: Environmental Health (SB)	
	HPS 331: History of Medicine (HU & H)	
	MIC 314: HIV/AIDS: Science, Behavior, and Society	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Biological Sciences (Conservation Biology and Ecology), BS



School/College: [The College of Liberal Arts and Sciences](#)





Location: [Tempe campus](#)



LABSCCBS



Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>LIA 101, ASU 101, or other First-Year Seminar required of all first-year students</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>	
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1			
CHM 113: General Chemistry I (SQ)	4	C		
ENG 101 or ENG 102: First-Year Composition OR				
ENG 105: Advanced First-Year Composition OR	3	C		
ENG 107 or ENG 108: First-Year Composition				
STP 231: Statistics for Life Science (CS)	3	C		
Term hours subtotal:	15			
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a student <b>organization</b></li> <li>Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Pre-Health 101 Session</b></li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>	
CHM 116: General Chemistry II (SQ)	4	C		
ENG 101 or ENG 102: First-Year Composition OR				
ENG 105: Advanced First-Year Composition OR	3	C		
ENG 107 or ENG 108: First-Year Composition				
MAT 251: Calculus for Life Sciences (MA)	3	C		
Elective	1			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	15			
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 BIO 320: Fundamentals of Ecology	3	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 as their Physical Science requirement course this term. See the pre-health <b>website</b> for more information</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>It is not recommended to take more than two lab courses in a term.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Study Abroad 101 Session</b></li> </ul>	
Physical Science Requirement Course	3	C		
Science and Society Elective	3	C		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3			
Literacy and Critical Inquiry (L)	3			
 Complete First-Year Composition requirement.				
 Complete Mathematics (MA) requirement.				
Term hours subtotal:	15			

- Explore [minors or certificates](#)

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Pre-health students should take CHM 234 and CHM 238 this term instead of an elective. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 322: Conservation of Biodiversity	3	C	<ul style="list-style-type: none"> <li>• BIO 322 will be used to satisfy the upper-division Science and Society requirement for The College.</li> <li>• Pre-health students should take PHY 111 and 113 instead of an elective this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore <a href="#">graduate school</a> or full-time <a href="#">career opportunities</a></li> </ul>
 BIO 345: Evolution	3	C	
 Upper Division Human Dimensions of Conservation and Ecology Course	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Conservation Biology and Ecology Field Methods Course	3	C	<ul style="list-style-type: none"> <li>• Conservation Biology and Ecology courses teach students field (outdoor) and laboratory methods that are commonly used in conservation biology and ecology.</li> <li>• Pre-health students should take PHY 112 and 114 instead of Elective this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses:	6		
Upper Division Elective	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Advanced Ecology Course	3-4	C	<ul style="list-style-type: none"> <li>• Explore or apply for <a href="#">full-time career opportunities</a> or <a href="#">graduate school</a></li> <li>• Meet with your <a href="#">advisor</a> to verify remaining degree requirements have been met prior to Term 8.</li> </ul>
Quantitative & Spatial Analysis Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15-16		



Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Advanced Ecology, Biodiversity, Field or Research Course	3	C	<ul style="list-style-type: none"> <li>• Please note that faculty approval must be granted prior to enrolling BIO 484 or MIC 484.</li> <li>• Continue to apply for full-time career opportunities or graduate school.</li> </ul>
★ Upper Division Advanced Human Dimensions of Conservation and Ecology Course	3	C	
Complete 2 courses: Upper Division Elective	5		
Elective OR BIO 484: Internship OR MIC 484: Internship	3		
Term hours subtotal:	14		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Human Dimensions of Conservation and Ecology	Conservation Biology and Ecology Field Methods	Physical Science Requirement Courses
BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)	BIO 405: Sonoran Desert Field Botany	CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)
BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)	BIO 407: Novel Ecosystems	GIS 205: Geographic Information Science I (CS)
BIO 412: Conservation in Practice	BIO 410: Techniques in Conservation Biology and Ecology (L)	GIS 211: Geographic Information Science II (CS)
BIO 434: People and Nature: Ecosystem Services or SOS 434: People and Nature: Ecosystem Services	BIO 484: Internship	GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)
	BIO 494: Discovering Biodiversity	GLG 327: Earth's Critical Zone or SOS 374: Earth's Critical Zone
		GPH 111: Introduction to Physical Geography (SQ)
		PHY 101: Introduction to Physics (SQ) or PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
Quantitative & Spatial Analysis Courses	Advanced Ecology	Advanced Human Dimensions of Conservation and Ecology
BIO 411: Quantitative Methods in Conservation and Ecology	BIO 421: Landscape Ecology or SOS 421: Landscape Ecology	BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)
BIO 415: Statistical Models for Biology (CS)	BIO 422: Ecosystem Ecology	BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)
GIS 311: Geographic Information Science III (CS)	BIO 423: Population and Community Ecology	BIO 394: The Global Water Classroom
GIS 470: Advanced Statistics for Geography and Planning (CS)		BIO 412: Conservation in Practice

GIS 471: Spatial Statistics for Geography and Planning

SOS 212: Systems, Dynamics and Sustainability

Advanced Ecology, Biodiversity, Field or Research Course

ABS 376: Wildlife Ecology

ABS 380: Restoration and Wildlife Plants

ABS 470: Life History of Mammals

ABS 476: Big Game Habitat Management

ABS 481: Riparian and Wetland Restoration

ASM 443: Primatology

BIO 303: Plant Diversity and Evolution (L or SG)

BIO 313: The Flora of Arizona

BIO 325: Oceanography

BIO 331: Animal Behavior

BIO 370: Vertebrate Zoology

BIO 385: Comparative Invertebrate Zoology

BIO 386: General Entomology

BIO 405: Sonoran Desert Field Botany

BIO 410: Techniques in Conservation Biology and Ecology (L)

BIO 419: Physiological Plant Ecology

BIO 421: Landscape Ecology

BIO 430: Plant Geography or GPH 422: Plant Geography

BIO 434: People and Nature: Ecosystem Services or SOS 434: People and Nature: Ecosystem Services

BIO 494: Society and Natural Resource Management

JUS 444: Environment and Justice (L & C) or FIS 444: Environment and Justice (L & C)

PRM 380: Wilderness and Parks in America (SB & H)

REL 349: Nature, Sustainability and Religion or JST 349: Nature, Sustainability and Religion or SOS 349: Nature, Sustainability and Religion

SOS 310: Equity, Justice and Sustainability

SOS 321: Policy and Governance in Sustainable Systems

SOS 325: The Economics of Sustainability

BIO 436: Sociobiology and Behavioral Ecology

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BIO 461: Comparative Animal Physiology

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BIO 492: Honors Directed Study

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BIO 495: Undergraduate Research

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SOS 424: Dynamic Modeling in Social and Ecological Systems

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map



### Biological Sciences (Conservation Biology and Ecology), BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)

LABSCCBS

Term 1 - A 0 - 9 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
 BIO 181: General Biology I (SQ)	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
Term hours subtotal:	9		

Term 1 - B 9 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Create a resume &amp; <a href="#">Handshake account</a> with the Career &amp; Professional Development Center to explore research or internship opportunities</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Join a <a href="#">student organization</a></li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
Term hours subtotal:	8		

Term 2 - A 17 - 23 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> </ul>
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	6		

Term 2 - B 23 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>If interested in health-related professional programs, research the <a href="#">timeline</a> for admissions preparation and <a href="#">general admission requirements</a>.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
MAT 251: Calculus for Life Sciences (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

- Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement

Term 3 - A 29 - 35 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ BIO 320: Fundamentals of Ecology	3	C	<ul style="list-style-type: none"> <li>• It is not recommended to take more than two lab courses in a term.</li> <li>• Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> </ul>
Physical Science Requirement Course	3-4	C	
Term hours subtotal:	6-7		

Term 3 - B 35 - 41 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
Science and Society Elective	3	C	<ul style="list-style-type: none"> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Literacy and Critical Inquiry (L)	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 41 - 47 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		<ul style="list-style-type: none"> <li>• BIO 322 may be taken during this term.</li> <li>• Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and The College Science and Society courses.</li> <li>• Develop your <a href="#">professional online presence</a></li> </ul>
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 4 - B 47 - 54 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ BIO 340: General Genetics	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		

Term 5 - A 54 - 60 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ BIO 322: Conservation of Biodiversity	3	C	<ul style="list-style-type: none"> <li>• If interested in health-related professional programs, use <a href="#">ASU's Health Professions Advising</a> to prepare for application.</li> <li>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore graduate school or full-time <a href="#">career opportunities</a></li> </ul>
★ BIO 345: Evolution	3	C	
Term hours subtotal:	6		

Term 5 - B 60 - 66 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Human Dimensions of Conservation and Ecology Course	3	C	<ul style="list-style-type: none"> <li>• <a href="#">Network</a> in your career interest area.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 6 - A 66 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Conservation Biology and Ecology Field Methods Course	3	C	<ul style="list-style-type: none"> <li>• Students wanting to use BIO 484 internship to fulfill the field methods requirement must seek faculty approval first.</li> <li>• Work with your academic advisor to align your additional major requirement and major elective courses with your career aspirations</li> <li>• Use <b>Handshake</b> to research employment opportunities</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 78 - 84 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Advanced Ecology Course	3	C	<ul style="list-style-type: none"> <li>• Meet with your advisor to verify remaining degree requirements have been met prior to Term 8</li> <li>• Explore or apply for <b>full-time career opportunities</b> or <b>graduate school</b></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	6		

Term 8 - A 90 - 97 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Advanced Human Dimensions of Conservation and Ecology Course	3	C	<ul style="list-style-type: none"> <li>• Explore other resources available through ASU's <b>Career and Professional Development Center</b></li> </ul>
Upper Division Elective	4		
Term hours subtotal:	7		

Term 8 - B 97 - 106 Credit Hours	Hours	Minimum Grade	Notes
Quantitative & Spatial Analysis Course	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b></li> </ul>
Elective	6		
Term hours subtotal:	9		

Term 9 - A 106 - 113 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	4		<ul style="list-style-type: none"> <li>• Continue to apply for <b>full-time career opportunities</b> or <b>graduate school</b></li> </ul>
Elective	3		
Term hours subtotal:	7		

		Minimum	
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Term 9 - B 113 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Advanced Ecology, Biodiversity, Field or Research Course	3	C	
Elective	4		
Term hours subtotal:	7		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

Human Dimensions of Conservation and Ecology	Conservation Biology and Ecology Field Methods	Physical Science Requirement Courses
BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)	BIO 407: Novel Ecosystems	CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)
BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)	BIO 410: Techniques in Conservation Biology and Ecology (L)	GIS 205: Geographic Information Science I (CS)
BIO 412: Conservation in Practice	BIO 484: Internship	GIS 211: Geographic Information Science II (CS)
	BIO 494: Discovering Biodiversity	GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)
		GLG 327: Earth's Critical Zone or SOS 374: Earth's Critical Zone
		GPH 111: Introduction to Physical Geography (SQ)
		PHY 101: Introduction to Physics (SQ) or PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
Quantitative & Spatial Analysis Courses	Advanced Ecology	Advanced Human Dimensions of Conservation and Ecology
BIO 415: Statistical Models for Biology (CS)	BIO 422: Ecosystem Ecology	BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L)
GIS 311: Geographic Information Science III (CS)	BIO 423: Population and Community Ecology	BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU)
GIS 470: Advanced Statistics for Geography and Planning (CS)		BIO 394: The Global Water Classroom
GIS 471: Spatial Statistics for Geography and Planning		BIO 494: Society and Natural Resource Management
SOS 212: Systems, Dynamics and Sustainability		PRM 380: Wilderness and Parks in America (SB & H)
		SOS 310: Equity, Justice and Sustainability

SOS 321: Policy and Governance in Sustainable Systems

SOS 325: The Economics of Sustainability

Advanced Ecology, Biodiversity, Field or Research Course

ASM 443: Primatology

BIO 331: Animal Behavior

BIO 370: Vertebrate Zoology

BIO 385: Comparative Invertebrate Zoology

BIO 495: Undergraduate Research

GPH 422: Plant Geography or BIO 430: Plant Geography

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Biological Sciences (Genetics, Cell and Developmental Biology), BS



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)




LABSCGBS



Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>LIA 101, ASU 101, or other First-Year Seminar required of all first-year students</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a student <b>organization</b></li> <li>Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Pre-Health 101 Session</b></li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235 this term. See pre-health <b>website</b> for more information</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>It is not recommended to take more than two lab courses in a term.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ)	3	C	
CHM 235: Elementary Organic Chemistry Laboratory (SQ)	1	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

- Attend a [Study Abroad 101 Session](#)
- Explore [minors or certificates](#)

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See pre-health <a href="#">website</a> for more information.</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 5 61 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses:			<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See pre-health <a href="#">website</a> for more information</li> <li>• BIO 351 is only taught in the Fall semester</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore <a href="#">graduate school or full-time career opportunities</a></li> </ul>
 BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry	6	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	4		
Term hours subtotal:	17		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See pre-health <a href="#">website</a> for more information</li> <li>• Use Handshake to research <a href="#">employment opportunities</a> or explore <a href="#">graduate school</a></li> </ul>
BIO 308: Plant Physiology OR BIO 360: Animal Physiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations OR MBB 440: Functional Genomics or BIO 440: Functional Genomics	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 93 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Major Laboratory/Research Course	2-4	C	<ul style="list-style-type: none"> <li>• Meet with your <a href="#">advisor</a> to verify remaining degree requirements have been met prior to Term 8</li> </ul>
Upper Division Major Elective	3	C	
Upper Division Science and Society Elective	3	C	

Upper Division Literacy and Critical Inquiry (L)	3
Elective OR BIO 484: Internship OR MIC 484: Internship	3
Term hours subtotal:	14-16

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Major Laboratory/Research Course	1	C	<ul style="list-style-type: none"> <li>Continue to apply for full-time career opportunities or graduate school</li> </ul>
BIO 308: Plant Physiology OR BIO 360: Animal Physiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations OR MBB 440: Functional Genomics or BIO 440: Functional Genomics	3	C	
Upper Division Major Elective	2-4	C	
Upper Division Elective	3		
Elective	4		
Term hours subtotal:	13-15		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Major Laboratory/Research Courses	Major Electives
BCH 367: Elementary Biochemistry Laboratory	BIO OR HPS OR MBB OR MIC 3** Elective
BIO 308: Plant Physiology	BIO OR HPS OR MBB OR MIC 4** Elective
BIO 342: General Genetics Laboratory	BCH 367: Elementary Biochemistry Laboratory
BIO 352: Laboratory in Vertebrate Developmental Anatomy	
BIO 357: Cell and Molecular Biology Laboratory	
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	
BIO 475: Advanced Human Anatomy	
BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research	
MBB 343: Genetic Engineering and Society (L) or BIO 343: Genetic Engineering and Society (L)	
MBB 350: Applied Genetics	
MIC 206: Microbiology Laboratory (SG) AND MIC 220: Biology of Microorganisms	
MIC 302: Advanced Bacteriology Laboratory (L)	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Biological Sciences (Genetics, Cell and Developmental Biology), BS




School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)

LABSCGBS

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.



These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.



Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>• An SAT, ACT, Accuplacer, IETLS or TOEFL score determines placement into first-year composition courses</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
 BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	8		




Term 1 - B 8 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>• View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>• Create a resume &amp; <b>Handshake</b> account with the Career &amp; Professional Development Center to explore research or internship opportunities</li> <li>• Mathematics Placement Assessment score determines placement in mathematics and science courses</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Join a <a href="#">student organization</a></li> <li>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		



Term 2 - A 15 - 22 Credit Hours	Hours	Minimum Grade	Notes
CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Select your <b>career interest area</b> and play <a href="#">me3@ASU</a>.</li> </ul>
MAT 251: Calculus for Life Sciences (MA)	3	C	
Term hours subtotal:	7		

		Minimum	
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Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• If interested in health-related professional programs, research the <a href="#">timeline</a> for admissions preparation and <a href="#">general admission requirements</a>.</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> </ul>
STP 231: Statistics for Life Science (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 29 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>• Due to lower-division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and The College Science and Society courses.</li> <li>• It is not recommended to take more than two lab courses in a term.</li> <li>• Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 3 - B 36 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Literacy and Critical Inquiry (L)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 42 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Evolution	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">professional online presence</a></li> <li>• Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the <a href="#">pre-health website</a> for more information</li> <li>• If CHM 233 is taken, then CHM 234 must be taken the following semester</li> <li>• Organic Chemistry labs (CHM 237 for CHM 233, and CHM 238 for CHM 234) are required and available at ASU over the summer. Please speak with an advisor for more information.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Term 4 - B 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
CHM 231: Elementary Organic Chemistry (SQ)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

		Minimum	
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Summer 4 54 - 55 Credit Hours	Hours	Grade	Notes
CHM 235: Elementary Organic Chemistry Laboratory (SQ)	1	C	<ul style="list-style-type: none"> <li>ASU Online students will complete all experiments for the CHM 235 organic chemistry lab at the ASU Tempe Campus during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.</li> <li>Pre-health students will complete CHM 237 and CHM 238 organic chemistry labs instead of CHM 235.</li> </ul>
Term hours subtotal:	1		

Term 5 - A 55 - 62 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and The College Science and Society courses.</li> <li>If interested in health-related professional programs, use ASU's <a href="#">Health Professions Advising</a> to prepare for application.</li> <li>Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health <a href="#">website</a> for more information</li> <li>Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>Explore graduate school or full-time <a href="#">career opportunities</a>.</li> </ul>
PHY 101: Introduction to Physics (SQ)	4	C	
Term hours subtotal:	7		

Term 5 - B 62 - 68 Credit Hours	Hours	Minimum Grade	Notes
BIO 360: Animal Physiology OR MBB 440: Functional Genomics or BIO 440: Functional Genomics OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations	3	C	<ul style="list-style-type: none"> <li>Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See the pre-health <a href="#">website</a> for more information</li> <li><a href="#">Network</a> in your career interest area.</li> </ul>
Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 6 - A 68 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry	3	C	<ul style="list-style-type: none"> <li>Work with your academic advisor to align your additional major requirement and major elective courses with your career aspirations</li> <li>Use <a href="#">Handshake</a> to research employment opportunities</li> </ul>
Upper Division Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 74 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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BIO 360: Animal Physiology OR MBB 440: Functional Genomics or 3 C  
 BIO 440: Functional Genomics OR MIC 420: Immunology: Molecular  
 and Cellular Foundations or BIO 420: Immunology: Molecular and  
 Cellular Foundations

Upper Division Literacy and Critical Inquiry (L) 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G)  
 AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 80 - 86 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BIO 351: Developmental Biology OR BIO 353: Cell Biology OR 3 C  
 BCH 361: Advanced Principles of Biochemistry

Upper Division Humanities, Arts and Design (HU) OR Upper 3  
 Division Social-Behavioral Sciences (SB)

Term hours subtotal: 6

- Meet with your advisor to verify remaining degree requirements have been met prior to Term 8
- Explore or apply for full-time career opportunities or graduate school

Term 7 - B 86 - 92 Credit Hours	Hours	Minimum Grade	Notes
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Elective OR BIO 484: Internship OR MIC 484: Internship 3

Elective 3

Term hours subtotal: 6

Term 8 - A 92 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses: 5 C  
 Upper Division Major Elective

Term hours subtotal: 5

- Explore other resources available through ASU's Career and Professional Development Center

Term 8 - B 97 - 104 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: 7  
 Upper Division Elective

Term hours subtotal: 7

- Gather professional references

Term 9 - A 104 - 109 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: 5  
 Elective

Term hours subtotal: 5

Term 9 - B 109 - 116 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Major Laboratory/Research Course 1 C

Complete 2 courses: 6  
 Elective

Term hours subtotal: 7

- Continue to apply for full-time career opportunities or graduate school

Term 10 - A 116 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Major Laboratory/Research Course 2-4 C

Elective 2

Term hours subtotal: 4-6



- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Major Laboratory/Research Courses	Major Electives
BCH 367: Elementary Biochemistry Laboratory	BCH 367: Elementary Biochemistry Laboratory
BIO 342: General Genetics Laboratory	BIO OR HPS OR MBB OR MIC 3** Elective
BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research	BIO OR HPS OR MBB OR MIC 4** Elective
MIC 206: Microbiology Laboratory (SG) AND MIC 220: Biology of Microorganisms	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Biological Sciences (Neurobiology, Physiology and Behavior), BS



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)





LABSCABS



Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>LIA 101, ASU 101, or other First-Year Seminar required of all first-year students.</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a student <a href="#">organization</a></li> <li>Create a resume &amp; <a href="#">Handshake</a> account with the Career &amp; Professional Development Center</li> <li>Attend a <a href="#">Pre-Health 101 Session</a></li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and 235 this term. See pre-health <a href="#">website</a> for more information</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>It is not recommended to take more than two lab courses in a term.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a [Study Abroad 101 Session](#)
- Explore [minors or certificates](#)

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 345: Evolution	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:	7		
Elective			
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 331: Animal Behavior OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See pre-health <a href="#">website</a> for more information</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Explore <a href="#">graduate school</a> or full-time <a href="#">career opportunities</a></li> </ul>
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 331: Animal Behavior OR BIO 360: Animal Physiology	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 this term instead of an elective. See pre-health <a href="#">website</a> for more information.</li> </ul>
BIO 436: Sociobiology and Behavioral Ecology OR BIO 461: Comparative Animal Physiology OR BIO 462: Endocrine Physiology			
 OR BIO 467: Neurobiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations	3	C	
Upper Division Science and Society Elective	3	C	
Complete 2 courses:	6		
Elective			
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
BIO 436: Sociobiology and Behavioral Ecology OR BIO 461: Comparative Animal Physiology OR BIO 462: Endocrine Physiology			<ul style="list-style-type: none"> <li>• Explore or apply for full-time <a href="#">career opportunities</a> or <a href="#">graduate school</a></li> </ul>
	3	C	

OR BIO 467: Neurobiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations

- Meet with your advisor to verify remaining degree requirements have been met prior to Term 8

BCH 361: Advanced Principles of Biochemistry	3	C
Upper Division Major Comparative Structure and Function Course	3-4	C
Upper Division Literacy and Critical Inquiry (L)	3	
Upper Division Elective	2	
Term hours subtotal:		14-15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Major Laboratory/Research Course	1-4	C	<ul style="list-style-type: none"> <li>• Continue to apply for full-time career opportunities or graduate school</li> </ul>
★ Complete 2 courses: Upper Division Major Electives	6-8	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective OR BIO 484: Internship OR MIC 484: Internship	3		
Term hours subtotal:		13-18	

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

Major Comparative Structure and Function Courses	Major Laboratory/Research Courses	Upper Division Major Electives
BIO 351: Developmental Biology	BCH 367: Elementary Biochemistry Laboratory	BIO OR MBB OR MIC 3** Elective
BIO 370: Vertebrate Zoology	BIO 308: Plant Physiology	BIO OR MBB OR MIC 4** Elective
BIO 385: Comparative Invertebrate Zoology	BIO 342: General Genetics Laboratory	BMI 465: Introduction to Comparative Genomics
BIO 386: General Entomology	BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	PSY 470: Psychopharmacology
PSY 426: Neuroanatomy	BIO 352: Laboratory in Vertebrate Developmental Anatomy	
	BIO 361: Animal Physiology Laboratory	
	BIO 435: Research Techniques in Animal Behavior	
	BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	
	BIO 475: Advanced Human Anatomy	
	BIO 484: Internship or MIC 484: Internship	

BIO 492: Honors Directed Study or MBB  
492: Honors Directed Study or MIC 492:  
Honors Directed Study

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BIO 495: Undergraduate Research or MBB  
495: Undergraduate Research or MIC 495:  
Undergraduate Research

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MIC 421: Experimental Immunology

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

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**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Biophysics, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LABIPHBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively</li> <li>Join a <b>physics student organization</b></li> </ul>
 PHY 150: Physics I (SQ)	4	C	
BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively</li> <li>CHM 113 may be used in place of CHM 117 and CHM 111</li> </ul>
 PHY 151: Physics II (SQ)	4	C	
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ)	4	C	
Science and Society Elective	3	C	
 Maintain 2.50 GPA in Critical Tracking Courses.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 45 - 62 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PHY 201: Mathematical Methods in Physics I (CS)	3	C	<ul style="list-style-type: none"> <li>• CHM 116 may be used in place of CHM 118 and CHM 112. CHM 116 must be taken if students have received credit for CHM 113.</li> <li>• MAT 275 AND MAT 342 or MAT 343 may be taken in place of PHY 201. The combination MAT 275 + MAT 342 or MAT 343 is sufficient, but PHY 201 is recommended.</li> <li>• Explore <b>research fields within physics</b>.</li> </ul>
⚠ PHY 252: Physics III (SQ)	4	C	
CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
⚠ Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	17		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHM 345: Physical Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Gain <b>research experience</b></li> </ul>
BIO 360: Animal Physiology OR BIO 353: Cell Biology	3	C	
Upper Division Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHM 346: Physical Chemistry II	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> <li>• Start preparing for <b>graduate school exams</b> (GRE, physics subject test GRE, MCAT)</li> </ul>
★ PHY 312: Mechanics and Electromagnetism	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY 371: Driving Forces in Biology	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
★ PHY 472: Advanced Biophysics Lab	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR PHY 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY 473: From Molecules to Cells	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Elective	1		



Term hours subtotal: 13

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Chemistry, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACHMBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students placing into lower level math can still graduate in 4 years -- see an academic advisor for planning.</li> <li>Select your <a href="#">Career Interest Areas</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA)	4-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15-14		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Connect with a Career Advisor by registering for a <a href="#">Handshake</a> account.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA)	4-3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-14		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>Discuss <a href="#">study abroad opportunities</a> with a School of Molecular Sciences advisor or an International Coordinator.</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Computer/Statistics/Quantitative Applications (CS) 3

❖ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ PHY 112: General Physics (SQ) 3 C

CHM 234: General Organic Chemistry II 3 C

CHM 238: General Organic Chemistry Laboratory II 1 C

PHY 114: General Physics Laboratory (SQ) 1 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

Term hours subtotal: 15

- Build your professional connections -- join the [ASU Mentor Network](#)

Term 5 60 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CHM 325: Analytical Chemistry OR BCH 361: Advanced Principles of Biochemistry 3

CHM 326: Advanced Analytical Chemistry Laboratory OR BCH 367: Elementary Biochemistry Laboratory 1

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Upper Division Elective 3

Term hours subtotal: 14

- CHM 325 and CHM 326 are only offered in the Fall semester.
- Create a first draft [resume](#).
- This is an ideal semester to [study abroad](#). CHM 325 and CHM 326 may be taken in Term 7.

Term 6 74 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CHM 341: Elementary Physical Chemistry 3 C

CHM 343: Elementary Physical Chemistry Laboratory 1

Humanities, Arts and Design (HU) 3

Complete 3 courses: 9

Upper Division Elective

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 16

- Explore [internship](#) opportunities.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CHM 453: Inorganic Chemistry 3 C

Literacy and Critical Inquiry (L) 3

Upper Division Elective OR CHM 484: Internship 3

Complete 2 courses: 6

Upper Division Elective

- CHM 453 is only offered in the Fall semester.
- Apply for [full-time career opportunities](#).

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM OR BCH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Upper Division CHM or BCH Elective must be completed at the Tempe campus and cannot be met with BCH 341, BCH 371, BCH 372, or CHM 480.</li> <li>Students who choose the BCH 361/367 sequence should take CHM 325 as their major elective to ensure competitiveness in science industry careers.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	4		
Elective	2-4		
Term hours subtotal:	15-17		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Chemistry, BA

School/College: The College of Liberal Arts and Sciences

Location:

LACHMBA

and




Secondary




Education,

BAE






Mary Lou Fulton Teachers College



TESEDBAE





Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences OR TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	14-15		



Term 2 14 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA) OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Term hours subtotal: 17-18

Term 3 31 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>Discuss <b>study abroad opportunities</b> with a School of Molecular Sciences advisor or an International Coordinator.</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 111: General Physics (SQ)	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	18		

Term 4 49 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ)	3	C	<ul style="list-style-type: none"> <li>Teachers College Requirement: Apply for an <b>Identity Verified Print (IVP) DPS fingerprint clearance card</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
CHM 234: General Organic Chemistry II	3	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes	
 CHM 325: Analytical Chemistry	3	C	<ul style="list-style-type: none"> <li>Meet with Teachers College advisor to complete paperwork needed to start education program. Call 480.965.5555 to schedule appointment by recommended deadline of September 15.</li> <li>CHM 325 and CHM 326 are only offered in the Fall semester.</li> <li>Create a first draft <b>resume</b>.</li> </ul>	
CHM 326: Advanced Analytical Chemistry Laboratory	1	C		
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C		
 Milestone: Complete online Intent to Progress form (meet with advisor).				
 Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.				
Minimum 2.50 GPA ASU Cumulative.				
TEL 311: Instruction and Management in the Inclusive Classroom	3	C		
Term hours subtotal:	14			

Term 6 78 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 341: Elementary Physical Chemistry	3	C	

★ CHM 480: Methods of Teaching Chemistry	3	C
★ SED 397: Clinical Experience II	1	C
BLE 407: SEI for Secondary Students (L)	3	C
CHM 343: Elementary Physical Chemistry Laboratory	1	C
SPE 417: Inclusion Practices at the Secondary Level	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	14	

- During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.
- Use Handshake to research **employment opportunities**.

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 453: Inorganic Chemistry	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> <li>• Students seeking teacher certification must pass state educator exams. Please speak with your education advisor to plan appropriately.</li> <li>• CHM 453 is only offered in the Fall semester.</li> </ul>
★ SED 482: Science Teaching Methods for Secondary Schools	3	C	
★ SED 496: Clinical Experience III	1	C	
RDG 323: Literacy Processes in Content Areas	3	C	
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) AND Historical Awareness (H)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12) OR Upper Division Non-Teacher Certification Track	12	C	<ul style="list-style-type: none"> <li>• If you choose not to participate in student teaching, select 12 hours from the non-certification track group below. Without student teaching, you will not be qualified for Arizona Department of Education Secondary Education Certification, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your education advisor and the <b>Arizona Department of Education</b> for clarification. We highly encourage all students to complete student teaching.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

- Non-Teacher Certification Track
- ECS Upper Division Elective
- EDP Upper Division Elective
- EDT Upper Division Elective
- SCN Upper Division Elective
- SED Upper Division Elective
- SPE Upper Division Elective

SPF Upper Division Elective

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TEL Upper Division Elective

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USL Upper Division Elective

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Chemistry, BA

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)



LACHMBA




In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.


These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <a href="#">Career Interest Areas</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Connect with a Career Advisor by registering for a <a href="#">Handshake</a> account.</li> </ul>
MAT 266: Calculus for Engineers II (MA)	3		
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 27 - 35 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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🚩 PHY 111: General Physics (SQ)	3	C
PHY 113: General Physics Laboratory (SQ)	1	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Term hours subtotal:	8	

- **ASU Language Placement:** Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Discuss **study abroad opportunities** with a School of Molecular Sciences advisor or an International Coordinator.

Term 3 - B 35 - 43 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 PHY 112: General Physics (SQ)	3	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
🚩 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	8		

Term 4 - A 43 - 50 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 CHM 233: General Organic Chemistry I	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

- Build your professional connections -- join the **ASU Mentor Network**

Term 4 - B 50 - 57 Credit Hours	Hours	Minimum Grade	Notes
CHM 234: General Organic Chemistry II	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Summer 4 57 - 59 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 CHM 237: General Organic Chemistry Laboratory I	1	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
Term hours subtotal:	2		

- ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.

Term 5 - A 59 - 66 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ CHM 341: Elementary Physical Chemistry	3	C	
CHM 343: Elementary Physical Chemistry Laboratory	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	7		

- Create a first draft **resume**.

Term 5 - B 66 - 74 Credit Hours	Hours	Minimum Grade	Notes
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Computer/Statistics/Quantitative Applications (CS)	3
Upper Division Elective	3
Elective	2
Term hours subtotal:	8

Term 6 - A 74 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 361: Advanced Principles of Biochemistry	3	C	• Explore <a href="#">internship</a> opportunities.
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 6 - B 80 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	4		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	7		

Summer 6 87 - 88 Credit Hours	Hours	Minimum Grade	Notes
BCH 367: Elementary Biochemistry Laboratory	1	C	• ASU Online students will complete all experiments for the Biochemistry lab at the ASU Tempe campus in a compressed format in summer. Lab reports will be completed in subsequent weeks during the same summer term.
Term hours subtotal:	1		

Term 7 - A 88 - 96 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		• Apply for <a href="#">full-time career</a> opportunities.
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	8		

Term 7 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM OR BCH Upper Division Elective ( CHM 325 recommended)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 8 - A 102 - 111 Credit Hours	Hours	Minimum Grade	Notes
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	9		

Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 453: Inorganic Chemistry	3	C	
Complete 2 courses:			
Upper Division Elective	6		

Term hours subtotal: 9

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Chemistry, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACHMBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>Career Interest Areas</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA)	4-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15-14		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA)	4-3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-14		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA)	4-3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

❗ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15-14

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ CHM 240: Mathematical Methods in Chemistry (CS)	3	C	<ul style="list-style-type: none"> <li>• CHM 240 is only offered in the Spring semester.</li> <li>• Transfer students may need to take MAT 274 or MAT 275 (Differential Equations) and MAT 242 (Linear Algebra) in place of the 5 units of "electives" in Term 4. These courses will allow the student to meet Term 4 critical tracking and the enrollment requirements/pre-requisites for CHM 345 in Term 5. Will still need substitution course; discuss options with major advisor.</li> </ul>
CHM 234: General Organic Chemistry II	3	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	5		
Elective			
Term hours subtotal:	15		

Term 5 60 - 74 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHM 345: Physical Chemistry I	3	C	<ul style="list-style-type: none"> <li>• CHM 325, CHM 326, CHM 345, and CHM 348 are only offered in the Fall semester.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
CHM 325: Analytical Chemistry	3	C	
CHM 326: Advanced Analytical Chemistry Laboratory	1	C	
CHM 348: Physical Chemistry Laboratory I (L)	1	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	14		

Term 6 74 - 89 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHM 346: Physical Chemistry II	3	C	<ul style="list-style-type: none"> <li>• CHM 327, CHM 328, CHM 346, and CHM 349 are only offered in the Spring semester.</li> <li>• Explore <b>internship</b> opportunities.</li> </ul>
CHM 327: Instrumental Analysis	3	C	
CHM 328: Instrumental Analysis Laboratory	2	C	
CHM 349: Physical Chemistry Laboratory II (L)	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 89 - 104 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CHM 453: Inorganic Chemistry	3	C	<ul style="list-style-type: none"> <li>• CHM 453 is only offered in the Fall semester.</li> <li>• Upper Division CHM or BCH Elective must be completed at the Tempe campus and cannot be met with BCH 341, BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, or CHM 480.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
CHM OR BCH Upper Division Elective	3	C	
Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR CHM 484: Internship	3		
Term hours subtotal:	15		

Minimum

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ CHM 452: Inorganic Chemistry Laboratory (L)	1	C	• CHM 452 and CHM 460 are only offered in the Spring semester.
CHM 460: Biological Chemistry	3	C	
Upper Division Science and Society Elective	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	16		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Chemistry (Environmental Chemistry), BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACHMEBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>Career Interest Areas</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA)	4-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15-14		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA)	4-3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15-14		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA)	4-3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	



Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

❗ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15-14

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CHM 240: Mathematical Methods in Chemistry (CS)	3	C	<ul style="list-style-type: none"> <li>• CHM 240 is only offered in the Spring semester.</li> <li>• Transfer students may need to take MAT 274 or MAT 275 (Differential Equations) and MAT 242 (Linear Algebra) in place of the 5 units of "electives". These two courses will allow the student to meet Term 4 critical tracking and the enrollment requirements/pre-requisites for CHM 345 in Term 5. Will still require a substitution; discuss options with major advisor.</li> </ul>
CHM 234: General Organic Chemistry II	3	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	5		
Elective			
Term hours subtotal:	15		

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 302: Environmental Chemistry	3	C	<ul style="list-style-type: none"> <li>• CHM 302, CHM 345, and CHM 348 are only offered in the Fall semester.</li> <li>• Create a first draft <a href="#">resume</a>.</li> </ul>
CHM 345: Physical Chemistry I	3	C	
CHM 348: Physical Chemistry Laboratory I (L)	1	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GLG 321: Mineralogy	3	C	<ul style="list-style-type: none"> <li>• CHM 303 and GLG 321 are only offered in the Spring semester.</li> <li>• Explore <a href="#">internship</a> opportunities.</li> </ul>
CHM 303: Environmental Chemistry Laboratory (L)	2	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete 2 courses:	6		
Upper Division Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 90 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 325: Analytical Chemistry	3	C	<ul style="list-style-type: none"> <li>• CHM 325 and CHM 326 are only offered in the Fall semester and must be taken on the Tempe campus.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
CHM 326: Advanced Analytical Chemistry Laboratory	1	C	
Upper Division Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR CHM 484: Internship	3		
Elective	3		
Term hours subtotal:	16		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ CHM 481: Geochemistry	3	C
BCH 361: Advanced Principles of Biochemistry	3	C
BCH 367: Elementary Biochemistry Laboratory	1	C
Complete 2 courses:	7	
Upper Division Elective		
Term hours subtotal:	14	

- CHM 481 is only offered in the Spring semester.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Civic and Economic Thought and Leadership, BA


School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACELBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CEL 100: Great Ideas of Politics and Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CEL 200: Great Debates in American Politics (HU)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 or ENG 105 or ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CEL Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 44 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: ❗ * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"><li>• See your academic advisor to explore <b>internship</b> opportunities.</li><li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li></ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	17		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEL 300: Debating Capitalism	3	C	<ul style="list-style-type: none"><li>• CEL 499 and additional CEL 484 internship hours may be used to satisfy the CEL elective requirement.</li><li>• Explore <b>graduate programs</b> with faculty and your advisor.</li></ul>
Upper Division Related Area Electives	3	C	
Upper Division American Political Thought	3	C	
CEL Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Moral and Political Thought	3	C	<ul style="list-style-type: none"><li>• Develop your <b>professional online presence</b>.</li><li>• Use Handshake to research <b>employment opportunities</b>.</li></ul>
CEL 484: Internship	3	C	
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Leadership in the 21st Century	3	C	<ul style="list-style-type: none"><li>• Gather <b>online references</b>.</li><li>• Update and polish your <b>resume</b>.</li><li>• Apply to <b>graduate programs</b>.</li></ul>
CEL 475: Statesmanship and American Grand Strategy (HU)	3	C	
CEL Upper Division Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEL 485: Capstone Seminar in Civic and Economic Thought and Leadership	3	C	<ul style="list-style-type: none"><li>• Complete an in person or virtual <b>practice interview</b>.</li><li>• Apply for full-time <b>career opportunities</b>.</li></ul>
★ Upper Division Political Economy and Economic Thought	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
<i>Complete 2 courses:</i>	
Elective	5
Term hours subtotal:	14

Hide Course List(s)/Track Group(s)

Moral and Political Thought	American Political Thought	Political Economy and Economic Thought
CEL 305: Classical Political Philosophy and Statesmanship: The Greeks	CEL 394: Liberalism and Conservatism in America	CEL 345: Modern Economic Classics
CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty	CEL 394: Lincoln: Rhetoric, Thought, Statesmanship	CEL 394: The American Political Economy
CEL 394: Democracies in Crisis	CEL 394: Political Thought & Leadership of James Madison	CEL 394: Classical to Modern Economic Thought
CEL 394: Justice and Virtue	CEL 394: Tocqueville on Liberty, Equality and Democracy	CEL 394: Entrepreneurialism and Innovation
CEL 394: Theories of Democratic Citizenship	CEL 494: Civil Liberties and Rights	CEL 494: Adam Smith and Classical Political Economy
CEL 494: Political Thought: Islam, Hinduism, Confucianism	CEL 494: Law of the Constitution: Governments & Powers	
CEL 494: Politics & Literature/Shakespeare Prince		
Leadership in the 21st Century	Related Area Electives	
CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826	AFR Upper Division Elective	
CEL 394: Ideological Origins Anglo-Am Librty: 4 Mod Revolutns	COM Upper Division Elective	
CEL 394: Left and Right Around the World	ECN Upper Division Elective	
CEL 494: National Security Policy Design	HON Upper Division Elective	
CEL 494: Political Leadership and Statesmanship	HST Upper Division Elective	
	JUS Upper Division Elective	
	PHI Upper Division Elective	
	POS Upper Division Elective	
	SGS Upper Division Elective	
	SOS Upper Division Elective	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map



### Civic and Economic Thought and Leadership, BS


School/College: [The College of Liberal Arts and Sciences](#)





Location: [Tempe campus](#)





LACETLBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 100: Great Ideas of Politics and Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 200: Great Debates in American Politics (HU)	3	C	<ul style="list-style-type: none"> <li><b>Network</b> in your career interest area</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CEL Elective	3	C	
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
		<b>Minimum</b>	

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 Complete 2 courses: Elective	6		<ul style="list-style-type: none"> <li>• See your academic advisor to explore <b>internship</b> opportunities.</li> <li>• Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Science and Society Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 300: Debating Capitalism	3	C	<ul style="list-style-type: none"> <li>• CEL 499 and additional CEL 484 internship hours may be used to satisfy the CEL elective requirement.</li> <li>• Explore graduate programs with faculty and your advisor.</li> </ul>
 Upper Division Moral and Political Thought	3	C	
CEL 484: Internship	3	Y	
Upper Division Related Area Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 POS 301: Empirical Political Inquiry (SB) OR SGS 305: Empirical Political Inquiry (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
 Upper Division American Political Thought	3	C	
Upper Division Related Area Electives	3	C	
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 475: Statesmanship and American Grand Strategy (HU)	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• Update and polish your <b>resume</b>.</li> <li>• Apply to graduate programs.</li> </ul>
 POS 401: Political Statistics (CS) OR SGS 401: Political Statistics (CS)	3	C	
 Upper Division Leadership in the 21st Century	3	C	
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CEL 485: Capstone Seminar in Civic and Economic Thought and Leadership	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• Apply for full-time <b>career opportunities</b>.</li> </ul>
 Upper Division Political Economy and Economic Thought	3	C	
Upper Division Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	12		



- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Moral and Political Thought	American Political Thought	Political Economy and Economic Thought
CEL 305: Classical Political Philosophy and Statesmanship: The Greeks	CEL 394: Liberalism and Conservatism in America	CEL 345: Modern Economic Classics
CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty	CEL 394: Lincoln: Rhetoric, Thought, Statesmanship	CEL 394: The American Political Economy
CEL 394: Democracies in Crisis	CEL 394: Political Thought & Leadership of James Madison	CEL 394: Classical to Modern Economic Thought
CEL 394: Justice and Virtue	CEL 394: Tocqueville on Liberty, Equality and Democracy	CEL 394: Entrepreneurialism and Innovation
CEL 394: Theories of Democratic Citizenship	CEL 494: Civil Liberties and Rights	CEL 494: Adam Smith and Classical Political Economy
CEL 494: Political Thought: Islam, Hinduism, Confucianism	CEL 494: Law of the Constitution: Governments & Powers	
CEL 494: Politics & Literature/Shakespeare Prince		
Leadership in the 21st Century	Related Area Electives	
CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826	AFR Upper Division Elective	
CEL 394: Ideological Origins Anglo-Am Librty: 4 Mod Revolutns	COM Upper Division Elective	
CEL 394: Left and Right Around the World	ECN Upper Division Elective	
CEL 494: National Security Policy Design	HON Upper Division Elective	
CEL 494: Political Leadership and Statesmanship	HST Upper Division Elective	
	JUS Upper Division Elective	
	PHI Upper Division Elective	
	POS Upper Division Elective	
	SGS Upper Division Elective	
	SOS Upper Division Elective	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Communication, BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACOMBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Select your <b>career interest</b> area and play <b>me3@ASU</b>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR	3	C	
 ENG 107: First-Year Composition or ENG 108: First-Year Composition			
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Mathematics (MA) ( MAT 142 recommended)	3	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> <li>Create a first draft <b>resume</b></li> </ul>
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
 Minimum 2.00 GPA ASU Cumulative. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> <li>Build your professional connections - join the <b>ASU Mentor Network</b></li> </ul>
 COM 225: Public Speaking (L)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Natural Science - Quantitative (SQ)	4
❖ Complete Mathematics (MA) requirement.	
❖ Minimum 2.00 GPA ASU Cumulative.	
Complete First-Year Composition requirement.	
Term hours subtotal:	17

Term 4 47 - 62 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ COM 308: Advanced Research Methods in Communication (L)	3	C	<ul style="list-style-type: none"> <li>Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> <li>Explore an <a href="#">internship</a></li> </ul>
COM Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	2		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses: COM 110: Elements of Interpersonal Communication (SB) or COM 310: Relational Communication (SB) OR COM 250: Communication and the Workplace (SB) OR COM 241: Introduction to Oral Interpretation (L or HU) OR COM 263: Elements of Intercultural Communication (SB & C & G) OR COM 321: Rhetorical Theory and Research ((L or HU) & H)	6	C	<ul style="list-style-type: none"> <li>Majors will select two <a href="#">Areas of Emphasis</a> from the five available options and complete both required courses in each of the two chosen areas. The first required course from the two selected areas should be completed in term 5 and the second required course in each selected area should be completed in term 6.</li> <li>Develop your <a href="#">professional online presence</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Upper Division Elective	3		
Elective OR COM 484: Internship	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 77 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 407: Advanced Critical Methods in Communication	3	C	<ul style="list-style-type: none"> <li>Majors will select two <a href="#">Areas of Emphasis</a> from the five available options and complete both required courses in each of the two chosen areas. The first required course from the two selected areas should be completed in term 5 and the second required course in each selected area should be completed in term 6.</li> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Complete 2 courses: COM 410: Interpersonal Communication Theory and Research (SB) OR COM 421: Rhetoric of Social Issues (HU) OR COM 442: Identity, Performance, and Human Communication OR COM 450: Organizational Communication (SB) OR COM 463: Intercultural Communication in a Global Context (SB & G)	6	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> COM Upper Division Elective	6	C	<ul style="list-style-type: none"> <li>• Select COM courses in consultation with academic advisor</li> <li>• It is recommended that upper-division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
<i>Complete 3 courses:</i> Upper Division Elective	9		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• It is recommended that upper-division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.</li> </ul>
<i>Complete 3 courses:</i> Upper Division Elective	9		
Term hours subtotal:	12		

- Majors will select two out of five Areas of Emphasis and complete both required courses in each of the two chosen areas. Emphasis areas include Communication and Healthy Relating; Workplace, Organizational, and Leadership Communication; Civility, Advocacy, and Engaging Publics; Communication, Creativity, and Performance; and Communication Across Cultures. The required course sequence for each area is listed at the top of each track list below.
- In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper-division elective if not used toward the required courses in the area, but cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

Civility, Advocacy and Engaging Publics	Communication, Creativity and Performance	Workplace, Organizational and Leadership Communication
COM 321: Rhetorical Theory and Research (L or HU) & H) AND COM 421: Rhetoric of Social Issues (HU)	COM 241: Introduction to Oral Interpretation (L or HU) AND COM 442: Identity, Performance, and Human Communication	COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB)
Electives:	Electives:	Electives:
COM 222: Argumentation (L)	COM 194: Communication and Creativity	COM 230: Small Group Communication (SB)
COM 316: Gender and Communication (SB & C)	COM 281: Communication Activities	COM 259: Communication in Business and the Professions
COM 320: Communication and Consumerism (SB)	COM 341: Social Contexts for Performance	COM 312: Communication, Conflict, and Negotiation
COM 323: Communication Approaches to Popular Culture (C)	COM 441: Performance Studies (HU)	COM 319: Persuasion and Social Influence (SB)
COM 325: Advanced Public Speaking and Presentations (L)	COM 445: Narrative Performance (HU)	COM 377: Communication, Terrorism, and National Security
COM 326: Court Room Oratory	COM 446: Performance of Literature Written by Women (L or HU) & C)	COM 394: Communication, Culture, and New Media Technologies
COM 327: Civil Communication		
COM 426: Political Communication (SB)		

COM 400: Intercultural Business Communication (HU & C)

COM 414: Crisis Communication

COM 430: Leadership in Group Communication

COM 452: Communication and the Art of Happiness

COM 453: Communication Training and Development

Communication and Healthy Relating	Communication Across Cultures
COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB)	COM 263: Elements of Intercultural Communication (SB & C & G) AND COM 463: Intercultural Communication in a Global Context (SB & G)
Electives:	Electives:
COM 230: Small Group Communication (SB)	COM 317: Nonverbal Communication (SB)
COM 263: Elements of Intercultural Communication (SB & C & G)	COM 327: Civil Communication
COM 310: Relational Communication (SB)	COM 394: Communication, Culture, and New Media Technologies
COM 312: Communication, Conflict, and Negotiation	COM 442: Identity, Performance, and Human Communication
COM 316: Gender and Communication (SB & C)	COM 465: Intercultural Communication Workshop
COM 317: Nonverbal Communication (SB)	COM 494: Communication in Multi-National Organizations
COM 327: Civil Communication	COM 494: Conflict and Intercultural Dialogue
COM 411: Communication in the Family (SB)	
COM 452: Communication and the Art of Happiness	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Communication, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LACOMBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students</li> <li>Select your <b>career interest</b> area and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
ASU 101-LA: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Mathematics (MA) ( MAT 142 recommended)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		
Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)			
 Minimum 2.00 GPA ASU Cumulative. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).	3		
Term hours subtotal:	7		
Term 3 - A 27 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes



❗ COM 207: Introduction to Communication Inquiry	3	C	• Develop your <b>skills</b>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:		7	

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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❗ COM 225: Public Speaking (L)	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
.....		
❗ Complete Mathematics (MA) requirement.		
.....		
❗ Minimum 2.00 GPA ASU Cumulative.		
.....		
Complete First-Year Composition requirement.		
Term hours subtotal:		7

Term 4 - A 41 - 47 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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❗ COM 308: Advanced Research Methods in Communication (L)	3	C	• Contact <b>Career and Professional Development Services</b> and speak with a career advisor for assistance with career planning and networking.
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:		6	

Term 4 - B 47 - 54 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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Humanities, Arts and Design (HU) AND Global Awareness (G)	3		• Explore an <b>internship</b>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:		7	

Term 5 - A 54 - 60 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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<i>Complete 2 courses:</i>			
★ COM 110: Elements of Interpersonal Communication (SB) or COM 310: Relational Communication (SB) OR COM 250: Communication and the Workplace (SB)	6	C	• Students will complete both required courses in each of the two Areas of Emphasis provided below. The first course from each area should be completed in Term 5 (either COM 110 or 310, and COM 250), and the second course from each area should be completed in Term 6. • Develop your <b>professional online presence</b> .
Term hours subtotal:		6	

Term 5 - B 60 - 66 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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Computer/Statistics/Quantitative Applications (CS)	3	
Elective	3	
Term hours subtotal:		6

Term 6 - A 66 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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*Complete 2 courses:*

★ COM 410: Interpersonal Communication Theory and Research (SB) OR COM 450: Organizational Communication (SB)	6	C
Term hours subtotal:	6	

- Students will complete both required courses in each of the two Areas of Emphasis provided below. The first course from each area should be completed in Term 5, and the second course from each area should be completed in term 6.
- Use Handshake to research **employment opportunities**.

Term 6 - B 72 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 7 - A 79 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 407: Advanced Critical Methods in Communication	3	C	
★ COM Elective	3	C	
Term hours subtotal:	6		

- Select COM electives in conjunction with academic advisor.
- COM electives should be chosen from the two Areas of Emphasis course lists provided below.
- Draft or update your **resume**.

Term 7 - B 85 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM Upper Division Elective	3	C	
Upper Division Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

- Upper division COM electives should be chosen from the two Areas of Emphasis course lists provided below.

Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- Upper division COM electives should be chosen from the two Areas of Emphasis Elective course lists provided below.
- Apply for **full-time career opportunities**

Term 8 - B 97 - 103 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 9 - A 103 - 109 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM Upper Division Elective	3	C	
Upper Division Elective	3		

- Upper division COM electives should be chosen from the two Areas of Emphasis course lists provided below.

Term hours subtotal: 6

Term 9 - B 109 - 115 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:  
Upper Division Elective 6

Term hours subtotal: 6

Term 10 - A 115 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses:  
Elective 5

Term hours subtotal: 5

- In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper-division elective if not used toward the required courses in the area, but cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

Workplace, Organizational and Leadership Communication	Communication and Healthy Relating
COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB)	COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB)
Electives:	Electives:
COM 230: Small Group Communication (SB)	COM 230: Small Group Communication (SB)
COM 259: Communication in Business and the Professions	COM 263: Elements of Intercultural Communication (SB & C & G)
COM 312: Communication, Conflict, and Negotiation	COM 310: Relational Communication (SB)
COM 319: Persuasion and Social Influence (SB)	COM 312: Communication, Conflict, and Negotiation
COM 400: Intercultural Business Communication (HU & C)	COM 316: Gender and Communication (SB & C)
COM 414: Crisis Communication	COM 327: Civil Communication
COM 430: Leadership in Group Communication	
COM 453: Communication Training and Development	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Communication, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACOMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Mathematics (MA) ( MAT 142 recommended)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> <li>Create a first draft <b>resume</b></li> </ul>
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
 Minimum 2.00 GPA ASU Cumulative. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> <li>Build your professional connections - join the <b>ASU Mentor Network</b></li> </ul>
 COM 225: Public Speaking (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			

⚠ Minimum 2.00 GPA ASU Cumulative.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ COM 308: Advanced Research Methods in Communication (L)	3	C	<ul style="list-style-type: none"> <li>All students pursuing a B.S. or B.S.P. degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found <a href="#">here</a>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.</li> <li>Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> <li>Explore an <a href="#">internship</a></li> </ul>
Science and Society Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses: COM 110: Elements of Interpersonal Communication (SB) or COM 310: Relational Communication (SB) OR COM 241: Introduction to ★ Oral Interpretation (L or HU) OR COM 250: Communication and the Workplace (SB) OR COM 263: Elements of Intercultural Communication (SB & C & G) OR COM 321: Rhetorical Theory and Research ((L or HU) & H)	6	C	<ul style="list-style-type: none"> <li>All students pursuing a B.S. or B.S.P. degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found <a href="#">here</a>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.</li> <li>Majors will select two <a href="#">Areas of Emphasis</a> from five available options and complete both required courses in each of the two chosen areas. The first course from each selected area should be completed in term 5 and the second course from each selected area should be completed in term 6.</li> <li>Develop your <a href="#">professional online presence</a></li> </ul>
Upper Division Science and Society Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective OR COM 484: Internship	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 408: Quantitative Research Methods in Communication	3	C	<ul style="list-style-type: none"> <li>Majors will select two <a href="#">Areas of Emphasis</a> from five available options and complete both required courses in each of the two chosen areas. The first course from each selected area should be completed in term 5 and the second course from each selected area should be completed in term 6.</li> <li>Use Handshake to research <a href="#">employment opportunities</a></li> </ul>
Complete 2 courses: COM 410: Interpersonal Communication Theory and Research (SB) ★ OR COM 421: Rhetoric of Social Issues (HU) OR COM 442: Identity, Performance, and Human Communication OR COM 450: Organizational Communication (SB) OR COM 463: Intercultural Communication in a Global Context (SB & G)	6	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 15

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM Elective	3	C	<ul style="list-style-type: none"> <li>• Select COM courses in conjunction with academic advisor</li> <li>• It is recommended that upper division COM electives be chosen from the two <b>Areas of Emphasis</b> from which required courses are selected in terms 5 and 6.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
COM Upper Division Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: COM Upper Division Elective	6	C	<ul style="list-style-type: none"> <li>• It is recommended that upper-division COM electives be chosen from the two <b>Areas of Emphasis</b> from which required courses are selected in terms 5 and 6.</li> </ul>
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Majors will select two out of five Areas of Emphasis and complete both required courses in each of the two chosen areas. Emphasis areas include Communication and Healthy Relating; Workplace, Organizational, and Leadership Communication; Civility, Advocacy, and Engaging Publics; Communication, Creativity, and Performance; and Communication Across Cultures. The required course sequence for each area is listed at the top of each track list below. In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper-division elective if not used toward the required courses in the area, but it cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

Civility, Advocacy and Engaging Publics	Communication, Creativity and Performance	Workplace, Organizational and Leadership Communication
COM 321: Rhetorical Theory and Research (L or HU) & H) AND COM 421: Rhetoric of Social Issues (HU)	COM 241: Introduction to Oral Interpretation (L or HU) AND COM 442: Identity, Performance, and Human Communication	COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB)
Electives:	Electives:	Electives:
COM 222: Argumentation (L)	COM 194: Communication and Creativity	COM 230: Small Group Communication (SB)
COM 316: Gender and Communication (SB & C)	COM 281: Communication Activities	COM 259: Communication in Business and the Professions
COM 320: Communication and Consumerism (SB)	COM 341: Social Contexts for Performance	COM 312: Communication, Conflict, and Negotiation
	COM 441: Performance Studies (HU)	
	COM 445: Narrative Performance (HU)	

COM 323: Communication Approaches to Popular Culture (C)	COM 446: Performance of Literature Written by Women ((L or HU) & C)	COM 319: Persuasion and Social Influence (SB)
COM 325: Advanced Public Speaking and Presentations (L)		COM 377: Communication, Terrorism, and National Security
COM 326: Court Room Oratory		COM 394: Communication, Culture, and New Media Technologies
COM 327: Civil Communication		COM 400: Intercultural Business Communication (HU & C)
COM 426: Political Communication (SB)		COM 414: Crisis Communication
		COM 430: Leadership in Group Communication
		COM 452: Communication and the Art of Happiness
		COM 453: Communication Training and Development
<b>Communication and Healthy Relating</b>	<b>Communication Across Cultures</b>	
COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB)	COM 263: Elements of Intercultural Communication (SB & C & G) AND COM 463: Intercultural Communication in a Global Context (SB & G)	
Electives:	Electives:	
COM 230: Small Group Communication (SB)	COM 317: Nonverbal Communication (SB)	
COM 263: Elements of Intercultural Communication (SB & C & G)	COM 327: Civil Communication	
COM 310: Relational Communication (SB)	COM 394: Communication, Culture, and New Media Technologies	
COM 312: Communication, Conflict, and Negotiation	COM 442: Identity, Performance, and Human Communication	
COM 316: Gender and Communication (SB & C)	COM 465: Intercultural Communication Workshop	
COM 317: Nonverbal Communication (SB)	COM 494: Communication in Multi-National Organizations	
COM 327: Civil Communication	COM 494: Conflict and Intercultural Dialogue	
COM 411: Communication in the Family (SB)		
COM 452: Communication and the Art of Happiness		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.



- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Communication, BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)



LACOMBS



### **FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar is required for all first-year students</li> <li>Select your <b>career interest</b> area and play me3@ASU.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
ASU 101-LA: The ASU Experience	1		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Mathematics (MA) ( MAT 142 recommended)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107: First-Year Composition or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses:			<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b></li> </ul>
Elective	6		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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❖ COM 207: Introduction to Communication Inquiry	3	C	• Develop your <b>skills</b>
❖ COM 225: Public Speaking (L)	3	C	
Term hours subtotal:	6		

Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
❖ Complete Mathematics (MA) requirement.			
❖ Minimum 2.00 GPA ASU Cumulative.			
Complete First-Year Composition requirement.			
Term hours subtotal:	7		

Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ COM 308: Advanced Research Methods in Communication (L)	3	C	• Contact <b>Career and Professional Development Services</b> and speak with a career advisor for assistance with career planning and networking.
Elective	3		
Term hours subtotal:	6		

Term 4 - B 44 - 51 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		• Explore an <b>internship</b>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❖ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses:			
★ COM 110: Elements of Interpersonal Communication (SB) or COM 310: Relational Communication (SB) AND COM 250: Communication and the Workplace (SB)	6	C	• Majors will complete both required courses in each of the two Areas of Emphasis provided below. The first course from each area should be completed in term 5 and the second course from each area should be completed in term 6. • Develop your <b>professional online presence</b>
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Science and Society Elective	3	C	• All students pursuing a B.S. or B.S.P. degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found <a href="#">here</a> . At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
Computer/Statistics/Quantitative Applications (CS)	3		
★ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
★ COM 410: Interpersonal Communication Theory and Research (SB) AND COM 450: Organizational Communication (SB)	6	C	<ul style="list-style-type: none"> <li>• Majors will complete both required courses in each of the two Areas of Emphasis provided below. The first course from each area should be completed in term 5 and the second course from each area should be completed in term 6.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM 408: Quantitative Research Methods in Communication	3	C	<ul style="list-style-type: none"> <li>• All students pursuing a B.S. or B.S.P. degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found <a href="#">here</a>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.</li> <li>• Draft or update your <b>resume</b></li> </ul>
Upper Division Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM Elective	3	C	<ul style="list-style-type: none"> <li>• Select COM courses in conjunction with academic advisor.</li> <li>• Lower division COM electives should be chosen from the two Areas of Emphasis Elective course lists provided below.</li> </ul>
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ COM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Upper division COM electives should be chosen from the two Areas of Emphasis Elective course lists provided below.</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ COM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Upper division COM electives should be chosen from the two Areas of Emphasis Elective course lists provided below.</li> </ul>
Upper Division Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ COM Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Upper division COM electives should be chosen from the two Areas of Emphasis Elective course lists provided below.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:			
Upper Division Elective	6		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:			
Elective	6		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Elective	3		
Term hours subtotal:	3		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper-division elective if not used toward the required courses in the area, but cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

Communication and Healthy Relating	Workplace Organizational and Leadership Communication
COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational	COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB)

Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB)	Electives:  COM 230: Small Group Communication (SB)
Electives:  COM 230: Small Group Communication (SB)	COM 259: Communication in Business and the Professions
COM 263: Elements of Intercultural Communication (SB & C & G)	COM 312: Communication, Conflict, and Negotiation
COM 310: Relational Communication (SB)	COM 319: Persuasion and Social Influence (SB)
COM 312: Communication, Conflict, and Negotiation	COM 400: Intercultural Business Communication (HU & C)
COM 316: Gender and Communication (SB & C)	COM 414: Crisis Communication
COM 327: Civil Communication	COM 430: Leadership in Group Communication
	COM 453: Communication Training and Development

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Computational Mathematical Sciences, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LACMSBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Elective	3		
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.</li> <li>Join a <b>student club</b> or professional organization, like <b>Math Club</b></li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Science Sequence Course AND Natural Science - Quantitative (SQ)	4	C	
Literacy and Critical Inquiry (L) ( PHI 103 recommended)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Critical Tracking Courses.			
Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	17		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 240: Introduction to Programming Languages	3	C	<ul style="list-style-type: none"> <li>Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation</li> <li>Meet with your academic advisor to discuss summer <b>internship</b> and/or Research Opportunities for Undergraduates (REU)</li> </ul>
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		

❗ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Maintain 2.50 GPA in Critical Tracking Courses.

Minimum 2.00 GPA in MAT and STP.

Term hours subtotal: 16

- Visit [Career and Professional Development Services](#) and meet with a career advisor for assistance with career planning and networking.

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT classes; grade of B or better strongly correlated with timely graduation</li> <li>• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.</li> <li>• Develop professional <b>skills</b></li> <li>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
❗ MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
Science Sequence Course AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 63 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation</li> <li>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>• Develop your <b>professional online presence</b>.</li> <li>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
★ MAT 420: Scientific Computing	3	C	
Science Sequence Course	4	C	
Elective	4		
Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	14		

Term 6 77 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MAT 421: Applied Computational Methods (CS)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation</li> <li>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Meet with a career counselor from ASU Career Services for a review of your <b>resume</b> and <b>interviewing</b> tips for success.</li> </ul>
Science Sequence Course	4	C	
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Internship/Research/Advanced Science Course	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation</li> <li>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
Upper Division Advanced Courses	3	C	
Upper Division Science and Society Elective	3	C	
Upper Division Elective	3		
Elective	3		
Minimum 2.00 GPA in MAT and STP.			



Term hours subtotal: 15

- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
- Gather **professional references**.

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i>			
Upper Division Advanced Courses	6	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Meet with your academic advisor for final degree check and apply for graduation through your My ASU.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
★ Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	12		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- The Computational Mathematical Sciences degree requires students to select and complete two 1-year lecture and lab combinations. Upon advisor approval, two advanced courses for which the first 1-year science and lab sequence is a prerequisite may be substituted for the second 1-year science and lab sequence.

Hide Course List(s)/Track Group(s)

Science Sequence Courses	Internship, Research, or Advanced Science	Advanced Courses
AST 111: Introduction to Solar Systems Astronomy (SQ) AND AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) or AST 321: Introduction to Planetary and Stellar Astrophysics AND AST 322: Introduction to Galactic and Extragalactic Astrophysics AND BIO 182: General Biology II (SG)	AST Upper Division Elective BIO 320: Fundamentals of Ecology BME Upper Division Elective CEE Upper Division Elective CHE Upper Division Elective CHM Upper Division Elective CIS Upper Division Elective CSE Upper Division Elective EEE Upper Division Elective	DAT 401: Statistical Modeling and Inference for Data Science DAT 402: Statistical Learning MAT 415: Introduction to Combinatorics MAT 416: Graph Theory MAT 419: Introduction to Linear Optimization (CS) MAT 423: Numerical Analysis I (CS) MAT 425: Numerical Analysis II (CS) MAT 447: Cryptography I MAT 448: Cryptography II MAT 451: Mathematical Modeling (CS) MAT 452: Introduction to Chaos and Nonlinear Dynamics MAT 461: Applied Complex Analysis
CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ)		
CHM 114: General Chemistry for Engineers (SQ) AND CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)		
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ) AND GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	GLG 305: Dynamic Earth GLG 321: Mineralogy GLG 362: Geomorphology GLG 4** Elective	
	IEE Upper Division Elective	

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) AND PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	MAE Upper Division Elective	MAT 462: Applied Partial Differential Equations
	MAT 484: Internship	MAT 475: Differential Equations
	MAT 493: Honors Thesis (L)	MAT 476: Partial Differential Equations
	MAT 495: Undergraduate Research	STP 420: Introductory Applied Statistics (CS)
PHY 150: Physics I (SQ) AND PHY 151: Physics II (SQ)	MIC Upper Division Elective	STP 421: Probability
	MSE Upper Division Elective	STP 425: Stochastic Processes
	PHI 413: Advanced Symbolic Logic	STP 427: Mathematical Statistics
	PHY Upper Division Elective	STP 429: Applied Regression (CS)
	PLB Upper Division Elective	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map





### Data Science, BS




School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LADATSCIBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.</li> <li>Students who complete MAT 270 must also complete MAT 271 in Term 2. Students who complete MAT 265 must also complete MAT 266 in Term 2.</li> <li>It is highly recommended that students work with both an academic advisor from the School of Mathematical and Statistical Sciences and an assigned advisor affiliated with their chosen track.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA)	4-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15-14		

Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Students who complete MAT 270 must also complete MAT 271. Students who complete MAT 265 must also complete MAT 266.</li> <li>Some upper-division track courses require prerequisites. It is recommended that students consult with their advisors and use electives to complete appropriate course prerequisites.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA)	4-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3-4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 DAT 250: Data Science and Society	3	C	<ul style="list-style-type: none"> <li>Students must choose and complete a minimum of 21 credit hours in their selected track. Track options are Behavioral Sciences, Biosciences,</li> </ul>
 MAT 343: Applied Linear Algebra	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses:			

Elective	5
.....	
◆ Complete First-Year Composition requirement.	
.....	
Complete Mathematics (MA) requirement.	
.....	
Term hours subtotal:	15

Business Analytics, Computer Science, Mathematics, Social Sciences, or Spatial Sciences.

- Some track courses may require additional prerequisites, so students will work with an assigned academic advisor in their track as well as the School of Mathematical and Statistical Sciences to select electives to satisfy necessary prerequisites.

Term 4 46 - 61 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ DAT 300: Mathematical Tools for Data Science	3	C	<ul style="list-style-type: none"> <li>• Students pursuing the Computer Science track are advised to take CSE 220 this term due to pre-requisite requirements in future terms.</li> <li>• Explore an <b>internship</b>.</li> </ul>
Required Track Courses	3-4	C	
Complete 3 courses:			
Elective	9		
Term hours subtotal:	15-16		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DAT 301: Exploring Data in R and Python	4	C	<ul style="list-style-type: none"> <li>• Students pursuing the Computer Science track are advised to take CSE 310 in this term due to pre-requisite requirements in future terms.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Upper Division Required Track Courses	3-4	C	
Required Track Courses	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	2-3		
Term hours subtotal:	15-17		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DAT 401: Statistical Modeling and Inference for Data Science	3	C	
Complete 2 courses:			
Upper Division Required Track Courses	6	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DAT 402: Statistical Learning OR CSE 475: Foundations of Machine Learning	3	C	<ul style="list-style-type: none"> <li>• Students pursuing the Computer Science track are advised to enroll in CSE 475 rather than DAT 402. Students pursuing all other tracks are advised to enroll in DAT 402 in this term.</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Required Track Courses	3	C	
Upper Division Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DAT 490: Data Science Capstone (L) OR Disciplinary Capstone from selected track	3-2	C	

Social-Behavioral Sciences (SB)	3
Upper Division Literacy and Critical Inquiry (L)	3
Complete 2 courses:	5
Upper Division Elective	
Term hours subtotal:	14-13

- Students pursuing the Spatial Sciences track will complete a two credit hour capstone course, all other tracks require three credits of capstone coursework.
- Meet with your academic advisor for final degree check and apply for graduation through your My ASU.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- **Behavioral Sciences Track:** In cooperation with an assigned academic advisor, students must complete five required courses from the initial group of courses displayed in the track and one additional required course from the remaining list. Students must also complete three credit hours in DAT 490 or a 400-level disciplinary capstone course drawn from the CDE, FAS, or PSY prefixes.
- **Biosciences Track:** Students are required to complete either BIO 439 or BIO/MBB 440 and three credit hours in the DAT 490 Data Science Capstone. An additional five courses (minimum of 15 credit hours) are chosen from the remaining track electives.
- **Business Analytics Track:** Students are to complete all courses in the track plus three credit hours of DAT 490 Data Science Capstone.
- **Computer Science Track:** In consultation with advisor, students must complete four required courses (12 credit hours) and pick two related courses (6 credit hours). In addition, they must complete three credit hours in the DAT 490 Data Science Capstone.
- **Mathematics Track:** Students are to complete MAT 267 and MAT 275. In cooperation with an academic advisor, students must also select four courses from the remaining courses in the track list below. In addition, students need to complete three credit hours in DAT 490 Data Science Capstone.
- **Social Sciences Track:** In consultation with an assigned academic advisor, students will select six courses for a minimum of 18 credit hours from the track list below, at least 12 credit hours of which must be upper-division. In addition, students must complete 3 credit hours in DAT 490 Data Science Capstone or a disciplinary-specific capstone course.
- **Spatial Sciences Track:** Students must complete all six courses listed in the track. In addition, they will complete two credit hours of DAT 490 Data Science Capstone or a 400-level GIS capstone course chosen in consultation with an assigned academic advisor.

Hide Course List(s)/Track Group(s)

Behavioral Sciences Track	Biosciences Track	Business Analytics Track
<b>Complete five courses from list below:</b>	<b>Complete one course from list below:</b>	<b>Complete all courses below:</b>
CDE 232: Human Development (SB) or FAS 101: Personal Growth in Human Relationships (SB) or PSY 101: Introduction to Psychology (SB)	BIO 439: Computing for Research	CIS 235: Introduction to Information Systems
FAS 498: Advanced Statistics for Social Sciences or SOC 469: Multivariate Statistics for Social Sciences or GIS 469: Multivariate Statistics for Social Sciences or PSY 330: Statistical Methods (CS)	BIO 440: Functional Genomics or MBB 440: Functional Genomics	CIS 355: Business Data Warehouses and Dimensional Modeling
	<b>Choose five elective courses from list below:</b>	CIS 365: Business Database Systems Development
	BIO 355: Introduction to Computational Molecular Biology (CS)	CIS 375: Business Data Mining
	BIO 411: Quantitative Methods in Conservation and Ecology	CIS 415: Big Data Analytics in Business

PSY 290: Research Methods (L or SG) or FAS 361: Research Methods (L or SB)	BIO 415: Statistical Models for Biology (CS)	WPC 300: Problem Solving and Actionable Analytics
PSY 498: Data Mining in the Behavioral Sciences or STP 450: Nonparametric Statistics or STP 452: Multivariate Statistics	BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)	
SOC 390: Social Statistics I (CS)	BIO 439: Computing for Research	
<b>Choose one elective course from list below:</b>	BIO 440: Functional Genomics or MBB 440: Functional Genomics	
CDE 312: Adolescence (SB) or SOC 312: Adolescence (SB)	BIO 494: Data Analysis in Neuroscience	
CDE 337: Early Childhood Intervention		
CDE 418: Aging and the Life Course (SB & H) or SOC 418: Aging and the Life Course (SB & H)		
CDE 430: Infant/Toddler Development in the Family (SB)		
CDE 450: Child Dysfunction in the Family		
FAS 301: Introduction to Parenting		
FAS 332: Human Sexuality (SB)		
FAS 440: Fundamentals of Marriage and Family Therapy		
LSC 325: Physiological Psychology or PSY 325: Physiological Psychology or PTX 325: Physiological Psychology		
PSY 315: Personality Theory and Research (SB)		
PSY 320: Learning and Motivation		
PSY 324: Memory and Cognition		
PSY 341: Developmental Psychology (SB)		
PSY 350: Social Psychology (SB)		
<b>Computer Science Track</b>	<b>Mathematics Track</b>	<b>Social Sciences Track</b>
<b>Complete four courses from list below:</b>	<b>Complete both courses below:</b>	<b>Complete one course from list below:</b>
CSE 220: Programming for Computer Engineering or CSE 240: Introduction to Programming Languages	MAT 267: Calculus for Engineers III (MA)	ECN 425: Introduction to Econometrics
CSE 310: Data Structures and Algorithms	MAT 275: Modern Differential Equations (MA)	POS 401: Political Statistics (CS) or SGS 401: Political Statistics (CS)
CSE 365: Information Assurance	<b>Choose four elective courses from list below:</b>	<b>Complete five courses from list below:</b>
MAT 243: Discrete Mathematical Structures	ACT 370: Software Tools for Business Analytics	ACO 100: All About Data: Design, Query, and Visualization (CS)
<b>Choose two elective courses from list below:</b>	ACT 435: Statistics for Risk Modeling	ALA 235: Introduction to Computer Modeling (CS)
CSE 450: Design and Analysis of Algorithms	MAT 300: Mathematical Structures (L)	AML 253: Introduction to Mathematical Tools and Modeling for the Life and Social Sciences
CSE 467: Data and Information Security	MAT 353: Mathematics and Cancer	

CSE 471: Introduction to Artificial Intelligence	MAT 419: Introduction to Linear Optimization (CS)	AML 441: Mathematical Concepts and Tools in Sustainability
CSE 476: Introduction to Natural Language Processing	MAT 420: Scientific Computing	ASB 230: Beginning Social Research
	MAT 421: Applied Computational Methods (CS)	ASB 363: From Cells to Society: Understanding Complexity or BIO 363: From Cells to Society: Understanding Complexity
	MAT 423: Numerical Analysis I (CS)	ASM 201: Epidemics and Outbreaks
	MAT 425: Numerical Analysis II (CS)	ASM 494: Models in Social Evolution
	MAT 429: Optimization	BME 301: Numerical Methods in Biomedical Engineering
	MAT 451: Mathematical Modeling (CS)	BMI 211: Modeling Biomedical Decisions
	MAT 452: Introduction to Chaos and Nonlinear Dynamics	BMI 461: Advanced Topics in Biomedical Informatics I
	STP 310: Design and Analysis of Experiments	BMI 462: Advanced Topics In Biomedical Informatics II
	STP 311: Regression and Time Series Analyses	COM 308: Advanced Research Methods in Communication (L)
	STP 420: Introductory Applied Statistics (CS) or STP 427: Mathematical Statistics	COM 407: Advanced Critical Methods in Communication
	STP 421: Probability	CRJ 303: Statistical Analysis (CS)
	STP 429: Applied Regression (CS)	ECN 410: Applied Regression Analysis and Forecasting
		ECN 416: Game Theory and Economic Behavior
		ECN 441: Public Economics (SB)
		ECN 445: Environmental Economics
		ECN 470: Mathematical Economics
		FAS 361: Research Methods (L or SB)
		FAS 498: Advanced Statistics for Social Sciences
		FIS 335: Designing Knowledge (SB)
		FIS 403: Governing Emerging Technologies (SB)
		GCU 325: Geography of Europe (SB & G)
		GCU 351: Population Geography (SB & G)
		GCU 357: Social Geography (SB)
		GCU 361: Urban Geography (SB)
		GCU 364: Energy in the Global Arena (SB & G)
		GCU 426: Geography of Russia and Surroundings (SB & G)

ISS 415: Knowledge Management (SB)

MKT 352: Marketing Research (L)

PAF 471: Public Policy Analysis

POS 331: Public Opinion (SB)

POS 434: Media and Politics (SB)

PUP 424: Planning Methods

PUP 481: Fundamentals of Spatial Optimization

SBS 302: Qualitative Methods

SBS 304: Social Statistics I (CS)

SBS 389: Ethnographic Field Lab

SBS 404: Social Statistics II: Multivariate Analysis (CS)

SGS 305: Empirical Political Inquiry (SB) or POS 301: Empirical Political Inquiry (SB)

SOS 212: Systems, Dynamics and Sustainability

SOS 424: Dynamic Modeling in Social and Ecological Systems

SOS 441: Mathematical Concepts and Tools in Sustainability or AML 441: Mathematical Concepts and Tools in Sustainability

STP 310: Design and Analysis of Experiments

STP 311: Regression and Time Series Analyses

STP 452: Multivariate Statistics

TWC 411: Principles of Visual Communication (L)

Spatial Sciences Track

**Complete all four courses below:**

GIS 205: Geographic Information Science I (CS)

GIS 211: Geographic Information Science II (CS)

GIS 311: Geographic Information Science III (CS)

GIS 322: Programming Principles in GIS II

**Complete one course below:**

GIS 469: Multivariate Statistics for Social Sciences



GIS 470: Advanced Statistics for Geography and Planning (CS)

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GIS 471: Spatial Statistics for Geography and Planning

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**Complete one course below:**

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GIS 202: Drones to Satellites: Observing Earth from Above

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GIS 451: Geodesign and Urban Planning

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GIS 494: GIS and Public Health

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GIS 494: GIS for Climate Change Science

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Data Science, BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)



LADATSCIBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - A 14 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 20 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	<ul style="list-style-type: none"> <li>Some upper-division track courses require prerequisites. It is recommended that students consult with their advisors and use electives to complete appropriate course prerequisites.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	9		
Term 3 - A 29 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DAT 250: Data Science and Society	3	C	<ul style="list-style-type: none"> <li>Minimum grade of C required in all required classes in the major; grade of B or better strongly correlated with timely graduation.</li> </ul>
 MAT 343: Applied Linear Algebra	3	C	


Elective	3
Term hours subtotal:	9

- Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU).

Term 3 - B 38 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 45 - 51 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DAT 300: Mathematical Tools for Data Science	3	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.</li> <li>• Students must choose and complete a minimum of 21 credit hours in their selected track. Track options are Behavioral Sciences, Biosciences, Business Analytics, Social Sciences, or Spatial Sciences.</li> <li>• Some track courses may require additional prerequisites, so students will work with an assigned academic advisor in their track as well as the School of Mathematical and Statistical Sciences to select electives to satisfy necessary prerequisites.</li> </ul>
Required Track Courses	3	C	
Term hours subtotal:	6		

Term 4 - B 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Elective	6		
Term hours subtotal:	6		

Term 5 - A 57 - 64 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 DAT 301: Exploring Data in R and Python	4	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> </ul>
Upper Division Required Track Courses	3	C	
Term hours subtotal:	7		

Term 5 - B 64 - 73 Credit Hours	Hours	Minimum Grade	Notes
Required Track Courses	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Term hours subtotal:	9		

Term 6 - A 73 - 82 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 DAT 401: Statistical Modeling and Inference for Data Science	3	C	
Upper Division Required Track Courses	3	C	

Social-Behavioral Sciences (SB) AND Global Awareness (G) 3

Term hours subtotal: 9

- Minimum grade of C required in all required classes in the major; grade of B or better strongly correlated with timely graduation.
- Develop your **professional online presence**.

Term 6 - B 82 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Required Track Courses	3	C	
Upper Division Science and Society Elective	3	C	
Social-Behavioral Sciences (SB)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 91 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DAT 402: Statistical Learning	3	C	
Upper Division Elective	2		
Term hours subtotal:	5		

- Minimum grade of C required in all required courses; grade of B or better strongly correlated with timely graduation.
- Complete an in person or **virtual practice interview**.

Term 7 - B 96 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Required Track Courses	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DAT 490: Data Science Capstone (L) OR Disciplinary Capstone from selected track	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

- Complete three credit hours in DAT 490 or a disciplinary-specific capstone course.

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

- **Behavioral Sciences Track:** In cooperation with an assigned academic advisor, students must complete five required courses from the initial group of courses displayed in the track and one additional required course from the remaining list. Students must also complete three credit hours in DAT 490 or a 400-level disciplinary capstone course drawn from the CDE, FAS, or PSY prefixes.
- **Biosciences Track:** Students are required to complete either BIO 439 or BIO/MBB 440 and three credit hours in the DAT 490 Data Science Capstone. An additional five courses (minimum of 15 credit hours) are chosen from the remaining track electives.
- **Business Analytics Track:** Students are to complete all courses in the track plus three credit hours of DAT 490 Data Science Capstone.
- **Social Sciences Track:** In consultation with an assigned academic advisor, students will select six courses for a minimum of 18 credit hours from the track list below, at least 12 credit hours of which must be upper-division. In addition, students must complete 3 credit hours in DAT 490 Data Science Capstone or a disciplinary-specific capstone course.
- **Spatial Sciences Track:** Students must complete all six courses listed in the track. In addition, they will complete two credit hours of DAT 490 Data Science Capstone or a 400-level GIS capstone course chosen in consultation with an assigned academic advisor.

Hide Course List(s)/Track Group(s)

Behavioral Sciences Track	Biosciences Track	Business Analytics Track
<b>Complete five courses from list below:</b>	<b>Complete one course from list below:</b>	<b>Complete all courses below:</b>
CDE 232: Human Development (SB) or FAS 101: Personal Growth in Human Relationships (SB) or PSY 101: Introduction to Psychology (SB)	BIO 439: Computing for Research	CIS 235: Introduction to Information Systems
FAS 498: Advanced Statistics for Social Sciences or SOC 469: Multivariate Statistics for Social Sciences or GIS 469: Multivariate Statistics for Social Sciences or PSY 330: Statistical Methods (CS)	BIO 440: Functional Genomics or MBB 440: Functional Genomics	CIS 355: Business Data Warehouses and Dimensional Modeling
PSY 290: Research Methods (L or SG) or FAS 361: Research Methods (L or SB)	<b>Choose five elective courses from list below:</b>	CIS 365: Business Database Systems Development
PSY 498: Data Mining in the Behavioral Sciences	BIO 355: Introduction to Computational Molecular Biology (CS)	CIS 375: Business Data Mining
SOC 390: Social Statistics I (CS)	BIO 411: Quantitative Methods in Conservation and Ecology	CIS 415: Big Data Analytics in Business
<b>Choose one elective course from list below:</b>	BIO 415: Statistical Models for Biology (CS)	WPC 300: Problem Solving and Actionable Analytics
CDE 312: Adolescence (SB) or SOC 312: Adolescence (SB)	BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)	
CDE 418: Aging and the Life Course (SB & H) or SOC 418: Aging and the Life Course (SB & H)	BIO 439: Computing for Research	
CDE 430: Infant/Toddler Development in the Family (SB)	BIO 440: Functional Genomics or MBB 440: Functional Genomics	
CDE 450: Child Dysfunction in the Family	BIO 494: Data Analysis in Neuroscience	
FAS 301: Introduction to Parenting		
FAS 332: Human Sexuality (SB)		
PSY 315: Personality Theory and Research (SB)		
PSY 320: Learning and Motivation		

PSY 324: Memory and Cognition	
PSY 341: Developmental Psychology (SB)	
PSY 350: Social Psychology (SB)	
<b>Social Sciences Track</b>	<b>Spatial Sciences Track</b>
<b>Complete one course from list below:</b>	<b>Complete all four courses below:</b>
POS 401: Political Statistics (CS) or SGS 401: Political Statistics (CS)	GIS 205: Geographic Information Science I (CS)
<b>Complete five courses from list below:</b>	GIS 211: Geographic Information Science II (CS)
ACO 100: All About Data: Design, Query, and Visualization (CS)	GIS 311: Geographic Information Science III (CS)
ASM 201: Epidemics and Outbreaks	GIS 322: Programming Principles in GIS II
COM 308: Advanced Research Methods in Communication (L)	<b>Complete one course below:</b>
COM 407: Advanced Critical Methods in Communication	GIS 469: Multivariate Statistics for Social Sciences
CRJ 303: Statistical Analysis (CS)	GIS 470: Advanced Statistics for Geography and Planning (CS)
ECN 410: Applied Regression Analysis and Forecasting	GIS 471: Spatial Statistics for Geography and Planning
ECN 441: Public Economics (SB)	<b>Complete one course below:</b>
FAS 361: Research Methods (L or SB)	GIS 202: Drones to Satellites: Observing Earth from Above
GCU 325: Geography of Europe (SB & G)	GIS 451: Geodesign and Urban Planning
GCU 426: Geography of Russia and Surroundings (SB & G)	GIS 494: GIS and Public Health
MKT 352: Marketing Research (L)	GIS 494: GIS for Climate Change Science
PUP 424: Planning Methods	
SGS 305: Empirical Political Inquiry (SB) or POS 301: Empirical Political Inquiry (SB)	
SOS 212: Systems, Dynamics and Sustainability	
TWC 411: Principles of Visual Communication (L)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Earth and Environmental Studies, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAEESBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• LIA 101 is mandatory for all first-year students.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		
Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>• <a href="#">ASU Language Placement</a>: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
GLG 108: Water Planet (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		
Term 3 29 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4	C	<ul style="list-style-type: none"> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> </ul>
GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ)	4	C	
SES 220: Biology of a Changing Earth	3	C	



Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

◆ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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◆ SES 225: Global Biogeochemical Cycles 3 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Computer/Statistics/Quantitative Applications (CS) 3

Literacy and Critical Inquiry (L) 3

Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

◆ Milestone: Complete SESE faculty mentoring.

Term hours subtotal: 16

- SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).
- Explore an [internship](#).

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GLG 325: Oceanography 3 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Upper Division Elective 3

Elective 3

Term hours subtotal: 16

- Students are strongly encouraged to meet with SESE faculty advisors to discuss career options.

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GLG 305: Dynamic Earth 3 C

Complete 2 courses:

Upper Division Earth and Environmental Studies (EES) Major Electives 6 C

Humanities, Arts and Design (HU) 3

Upper Division Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Research [career opportunities](#).
- The list of approved major electives along with their pre-requisites may be viewed on the [SESE website](#).
- Students should meet with an advisor to do a graduation check.

Term 7 91 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ GLG 327: Earth's Critical Zone 3 C

4\*\* (400-level) Earth and Environmental Studies (EES) Electives 3 C

Upper Division Earth and Environmental Studies (EES) Major Electives 3 C

Upper Division Literacy and Critical Inquiry (L) 3

- If not already completed, students should meet with an advisor to do a graduation check.
- Explore a research or [internship](#) opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval.

Upper Division Elective OR SES 484: Internship OR SES 499:  
Individualized Instruction 3

Term hours subtotal: 15

- Apply for [career opportunities](#).
- The list of approved major electives along with their pre-requisites may be viewed on the [SESE website](#).

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GLG 464: Solving Environmental Problems	3	C	<ul style="list-style-type: none"> <li>• The list of approved major electives along with their pre-requisites may be viewed on the <a href="#">SESE website</a>.</li> </ul>
4** (400-level) Earth and Environmental Studies (EES) Electives	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14		

#### Hide Course List(s)/Track Group(s)

4** (400-level) Earth and Environmental Studies (EES) Electives	Upper Division Earth and Environmental Studies (EES) Electives
ABS 430: Watershed Management	ABS 430: Watershed Management
ABS 479: Ecosystem Management and Planning (L)	ABS 479: Ecosystem Management and Planning (L)
ABS 485: GIS in Natural Resources	ABS 485: GIS in Natural Resources
ABS 486: Introduction to Remote Sensing	ABS 486: Introduction to Remote Sensing
BIO 412: Conservation in Practice	ASB 326: Human Impacts on Ancient Environments (SB & H)
CEE 400: Earth Systems Engineering and Management ((L or HU) & H)	ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G)
ERM 426: Environmental Issues	BIO 324: Environmental Ethics (HU)
ERM 428: International Environmental Management (G)	BIO 412: Conservation in Practice
FIS 444: Environment and Justice (L & C)	CEE 400: Earth Systems Engineering and Management ((L or HU) & H)
GLG 424: Petrology	ENG 371: Rhetoric of the Environmental Movement
GLG 430: Paleontology	ERM 426: Environmental Issues
GLG 435: Sedimentology and Stratigraphy	ERM 428: International Environmental Management (G)
GLG 441: Ore Deposits	FIS 334: Science, Technology and Inequality (C)
GLG 470: Hydrogeology	FIS 444: Environment and Justice (L & C)
GLG 476: Earth's Past Climates: The Key to our Sustainable Future	GCU 364: Energy in the Global Arena (SB & G)
GLG 481: Geochemistry	GIS 341: Cartography and Georepresentation (CS)
GPH 414: Climate Change (G)	
JUS 444: Environment and Justice (L & C)	

JUS 456: Human Rights and Sustainability ((L or SB) & G)	GLG 301: Earth Science in Arizona and the Southwest
PUP 442: Environmental Planning	GLG 304: Minerals, Energy, and Society
SCN 401: Sustainability Science, Technology, and Society	GLG 310: Structural Geology
SOC 455: Human Rights and Sustainability ((L or SB) & G)	GLG 321: Mineralogy
SOS 412: Conservation in Practice	GLG 424: Petrology
SOS 414: Urban and Environmental Health (SB)	GLG 430: Paleontology
SOS 429: Human Impacts on Ecosystem Functioning	GLG 435: Sedimentology and Stratigraphy
SOS 433: Sustainable Water Use	GLG 441: Ore Deposits
SOS 434: People and Nature: Ecosystem Services	GLG 470: Hydrogeology
SOS 456: Human Rights and Sustainability ((L or SB) & G)	GLG 476: Earth's Past Climates: The Key to our Sustainable Future
SOS 476: Earth's Past Climates: The Key to our Sustainable Future	GLG 481: Geochemistry
STP 420: Introductory Applied Statistics (CS)	GPH 314: Global Change (HU & G)
	GPH 381: Geography of Natural Resources (G)
	GPH 414: Climate Change (G)
	HST 345: Environmental History (L)
	JUS 332: Politics of Energy Policy and Justice
	JUS 334: Science, Technology and Inequality (C)
	JUS 444: Environment and Justice (L & C)
	JUS 456: Human Rights and Sustainability ((L or SB) & G)
	PHI 310: Environmental Ethics (HU)
	POS 300: Contemporary Global Controversies (SB & G)
	PUP 301: Introduction to Urban Planning (L)
	PUP 442: Environmental Planning
	SCN 300: Foundations of Environmental Education
	SCN 302: Environmental Education (L & G)
	SCN 307: Learning from Nature: Biomimicry and STEM
	SCN 308: Urban Environmental Education
	SCN 401: Sustainability Science, Technology, and Society
	SOC 331: Environmental Sociology (SB & G)
	SOC 455: Human Rights and Sustainability ((L or SB) & G)

SOS 300: Advanced Concepts and Integrated Approaches in Sustainability
SOS 310: Equity, Justice and Sustainability
SOS 314: Basic Energy Science
SOS 315: Energy Policy
SOS 320: Society and Sustainability (L or SB)
SOS 321: Policy and Governance in Sustainable Systems
SOS 323: Sustainable Urban Dynamics
SOS 324: Sustainable Energy Technology and Systems
SOS 325: The Economics of Sustainability
SOS 326: Sustainable Ecosystems
SOS 327: Sustainable Food and Farms
SOS 372: Earth Science in Arizona and the Southwest
SOS 373: Minerals, Energy, and Society
SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G)
SOS 412: Conservation in Practice
SOS 414: Urban and Environmental Health (SB)
SOS 429: Human Impacts on Ecosystem Functioning
SOS 433: Sustainable Water Use
SOS 434: People and Nature: Ecosystem Services
SOS 456: Human Rights and Sustainability ((L or SB) & G)
SOS 476: Earth's Past Climates: The Key to our Sustainable Future
STP 420: Introductory Applied Statistics (CS)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map





### Earth and Space Exploration, BS





School/College: [The College of Liberal Arts and Sciences](#)





Location: [Tempe campus](#)



LASESBS



Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• LIA 101 is mandatory for all incoming first-year students.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• Students in this major have a choice between taking SES 122/SES 124 or SES 126/SES 128 in their second semester. SES 122/124 has an earth-based focus and SES 126/128 has a space-based focus. Students should take SES 122/SES 124 if they are interested in exploring the Earth and other objects in our solar system, or take SES 126/SES 128 if their interests are in exploration outside of the solar system.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
CHM 114: General Chemistry for Engineers (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		

Term 3 29 - 45 Credit Hours Critical course signified by 	Hours	Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Develop your <a href="#">skills</a>.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
SES 230: Coding for Exploration (CS)	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• All students pursuing a BS degree in The College must complete two courses from the Science and Society list found at <a href="https://thecollege.asu.edu/resources/science-society">https://thecollege.asu.edu/resources/science-society</a>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.</li> </ul>
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SES 350: Engineering Systems and Experimental Problem Solving	3	C	<ul style="list-style-type: none"> <li>• Students need two upper-division electives for the major (six credits total). Electives may be chosen from the branch course list or students may take any other upper-division GLG or SES or AST courses offered by the School of Earth and Space Exploration, excluding GLG 300 or GLG 400/SES 401.</li> <li>• Students should meet with faculty advisor to discuss research opportunities.</li> </ul>
MAT 275: Modern Differential Equations (MA)	3	C	
SES OR GLG OR AST Upper Division Elective	3	C	
Upper Division SES Branch Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division SES Branch Course	3	C	<ul style="list-style-type: none"> <li>• Explore a research or <a href="#">internship</a> opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider</li> </ul>
SES OR GLG OR AST Upper Division Elective	3	C	
Upper Division Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

getting involved in research. Students should talk to faculty mentors about how to find research opportunities.

- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.
- Students should meet with an advisor to do a graduation check.
- Research **career opportunities**.

Term 7 91 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 410: Senior Exploration Project I	3	C	<ul style="list-style-type: none"> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.</li> <li>• If not already completed, students should meet with an advisor to do a graduation check.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
SES 401: Earth and Space Exploration Colloquium	1	C	
Upper Division SES Branch Course	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	16		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 411: Senior Exploration Project II	3	C	
Upper Division SES Branch Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	2		
Elective	2		
Term hours subtotal:	13		

- All students pursuing a BS or BSP degree in The College must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Upper Division SES Branch Courses
AST 321: Introduction to Planetary and Stellar Astrophysics
AST 322: Introduction to Galactic and Extragalactic Astrophysics
GLG 310: Structural Geology
GLG 321: Mineralogy
GLG 418: Geophysics
GLG 424: Petrology



GLG 471: Hydrology

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GLG 481: Geochemistry

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GLG 490: Remote Sensing

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SES 311: Essentials of Astrobiology:  
Exploration for Life in the Universe

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SES 330: Practical Electronics and  
Instrumentation

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SES 405: Exploration Systems Engineering

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map






### Earth and Space Exploration (Astrobiology and Biogeosciences), BS





School/College: [The College of Liberal Arts and Sciences](#)




Location: [Tempe campus](#)

LASESABBS




Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>• LIA 101 is mandatory for all incoming first-year students.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		


Term 2 14 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>• Students in this major have a choice between taking SES 122/SES 124 or SES 126/SES 128 in their second semester. SES 122/124 has an earth-based focus and SES 126/128 has a space-based focus. Students interested in exoplanets and the potential for life on other worlds should take SES 126/SES 128. Students interested in life in extreme environments and the origins of life should take SES 122/SES 124.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		

Term 3 28 - 42 Credit Hours Critical course signified by 	Hours	Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Develop your <i>skills</i>.</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
BIO 181: General Biology I (SQ)	4	C	
SES 230: Coding for Exploration (CS)	3	C	
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 42 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> </ul>
BIO 182: General Biology II (SG)	4	C	
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	17		

Term 5 59 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GLG 321: Mineralogy	3	C	<ul style="list-style-type: none"> <li>• Students should start meeting with faculty to discuss research opportunities</li> </ul>
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Upper Division Astrobiology & Biogeosciences Major Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GLG 481: Geochemistry	3	C	<ul style="list-style-type: none"> <li>• Explore a research or <i>internship</i> opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students should talk to faculty mentors about how to find research opportunities.</li> <li>• Research <i>career opportunities</i>.</li> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.</li> <li>• Students should meet with an advisor to do a graduation check.</li> </ul>
SES 311: Essentials of Astrobiology: Exploration for Life in the Universe	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
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★ SES 410: Senior Exploration Project I	3	C
Upper Division Astrobiology & Biogeosciences Major Elective	3	C
Upper Division Science and Society Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Upper Division Elective	3	
Term hours subtotal:	15	

- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.
- Apply for **full-time career opportunities**.
- If not already completed, students should meet with an advisor to do a graduation check.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 411: Senior Exploration Project II	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15		

- All students pursuing a BS or BSP degree in The College must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Upper Division Astrobiology & Biogeosciences Major Electives
AST 321: Introduction to Planetary and Stellar Astrophysics
BIO 320: Fundamentals of Ecology
BIO 340: General Genetics
BIO 345: Evolution
GLG 404: Fundamentals of Planetary Geology
GLG 430: Paleontology
GLG 435: Sedimentology and Stratigraphy
GLG 460: Astrobiology
GLG 485: Meteorites and Cosmochemistry
GLG 489: Field Geochemistry (L)
GLG 490: Remote Sensing
SES 350: Engineering Systems and Experimental Problem Solving

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map






### Earth and Space Exploration (Astrophysics), BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASESABS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>• LIA 101 is mandatory for all first-year students.</li> <li>• SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as alternatives although MAT 270, 271 and 272 are encouraged.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as alternatives although MAT 270, 271 and 272 are encouraged.</li> <li>• SESE will accept PHY 121/122 and PHY 131/132 as alternatives although PHY 150 and PHY 151 are encouraged.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	15		

Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
 PHY 151: Physics II (SQ)	4	C	

SES 230: Coding for Exploration (CS)	3	C
Humanities, Arts and Design (HU)	3	
♦ Complete First-Year Composition requirement.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as alternatives although MAT 270, 271 and 272 are encouraged.
- SESE will accept PHY 121/122 and PHY 131/132 as alternatives although PHY 150 and PHY 151 are encouraged.
- SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).
- Develop your **skills**.

Term 4 45 - 61 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ PHY 201: Mathematical Methods in Physics I (CS)	3	C	• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a> .
♦ PHY 252: Physics III (SQ)	4	C	
Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
♦ Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AST 321: Introduction to Planetary and Stellar Astrophysics	3	C	• Students should meet with faculty to discuss research opportunities
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 314: Quantum Physics I	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AST 322: Introduction to Galactic and Extragalactic Astrophysics	3	C	• Explore an <b>internship</b> . In order to earn credits for an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students can talk to faculty mentors about how to find research opportunities.
★ AST 421: Astrophysics I	3	C	
Upper Division Astrophysics Major Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.
- Students should meet with an advisor to do a graduation check.
- Research **career opportunities**.

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AST 422: Astrophysics II	3	C	

★ SES 410: Senior Exploration Project I	3	C
AST 498: Pro-Seminar	1	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Complete 2 courses:	5	
Elective	5	
Term hours subtotal:	15	

- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.
- If not already completed, students should meet with an advisor to do a graduation check.
- Apply for **full-time career opportunities**.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 411: Senior Exploration Project II	3	C	
Upper Division Science and Society Elective	3	C	
Complete 3 courses:	8		
Upper Division Elective	6		
Term hours subtotal:	14		

- All students pursuing a BS or BSP degree in The College must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- The suggested list of electives are highly recommended but not required. Students who plan to take the physics GRE are encouraged to choose electives from the PHY options. There is also an option to choose an elective in other GLG, AST, SES, PHY or MAT areas as long as the subject is relevant to astrophysics and the course is upper-division. Students should consult with a SESE advisor if they have questions about which courses would satisfy this requirement.

Hide Course List(s)/Track Group(s)

Upper Division Astrophysics Major Elective
GLG OR AST OR SES OR PHY OR MAT Upper Division Elective
GLG 404: Fundamentals of Planetary Geology
PHY 302: Mathematical Methods in Physics II
PHY 310: Classical Particles, Fields, and Matter I
PHY 311: Classical Particles, Fields, and Matter II
PHY 312: Mechanics and Electromagnetism
PHY 315: Quantum Physics II
PHY 361: Introductory Modern Physics
PHY 441: Statistical and Thermal Physics
SES 311: Essentials of Astrobiology: Exploration for Life in the Universe
SES 350: Engineering Systems and Experimental Problem Solving



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**Notes:**

- - **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map






### Earth and Space Exploration (Exploration Systems Design), BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASESESDBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>• LIA 101 is mandatory for all incoming first-year students.</li> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
SES 100: Introduction to Exploration (CS)	3	C	
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• Students in this major have a choice between taking SES 122/SES 124 or SES 126/SES 128 in their second semester. SES 122/124 has an earth-based focus and SES 126/128 has a space-based focus. Students should take SES 122/SES 124 if they are interested in exploring the Earth and other objects in our solar system, or take SES 126/SES 128 if their interests are in exploration outside of the solar system.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Join a <a href="#">student club</a> or professional organization.</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	4	C	
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	15		

Term 3 30 - 46 Credit Hours Critical course signified by ⚠	Hours	Grade	Notes
⚠ MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Develop your <a href="#">skills</a>.</li> </ul>
⚠ MAT 275: Modern Differential Equations (MA)	3	C	
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
⚠ Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ EEE 202: Circuits I	4	C	<ul style="list-style-type: none"> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> </ul>
⚠ MAE 201: Mechanics of Particles and Rigid Bodies I: Statics	3	C	
CHM 114: General Chemistry for Engineers (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
⚠ Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 330: Practical Electronics and Instrumentation	4	C	<ul style="list-style-type: none"> <li>• Students should start meeting with faculty advisor to discuss research opportunities.</li> </ul>
★ SES 350: Engineering Systems and Experimental Problem Solving	3	C	
Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 405: Exploration Systems Engineering	3	C	<ul style="list-style-type: none"> <li>• Explore a research or <a href="#">internship</a> opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students can talk to faculty mentors about how to find research opportunities.</li> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.</li> <li>• Students should meet with an advisor to do a graduation check.</li> <li>• Research <a href="#">career opportunities</a>.</li> </ul>
Upper Division Exploration Systems Design Concentration Elective	3	C	
Upper Division Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 410: Senior Exploration Project I	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Upper Division Literacy and Critical Inquiry (L)	3
Complete 2 courses: Upper Division Elective	6
Term hours subtotal:	15

- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.
- If not already completed, students should meet with an advisor to do a graduation check.
- Apply for **career opportunities**.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 411: Senior Exploration Project II	3	C	
Complete 3 courses: Upper Division Elective	8		
Elective	3		
Term hours subtotal:	14		

- All students pursuing a BS or BSP degree in The College must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

Upper Division Exploration Systems Design Concentration Elective
AST 321: Introduction to Planetary and Stellar Astrophysics
AST 322: Introduction to Galactic and Extragalactic Astrophysics
GLG 321: Mineralogy
GLG 404: Fundamentals of Planetary Geology
GLG 424: Petrology
GLG 471: Hydrology
SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map






### Earth and Space Exploration (Geological Sciences), BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASESGSBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>LIA 101 is mandatory for all incoming first-year students.</li> <li>SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	4	C	
SES 191: Exploring SESE	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	14		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>SESE requires first and second-year students to seek faculty mentoring at least once during the</li> </ul>
 MAT 266: Calculus for Engineers II (MA)	3	C	
SES 230: Coding for Exploration (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		

📌 Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the [SESE advising website](#).

- Develop your **skills**.

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> 📌	Hours	Minimum Grade	Notes
📌 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.</li> <li>• SESE requires first and second-year students to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the <a href="#">SESE advising website</a>.</li> <li>• Students should note that upcoming capstone classes, GLG 451 (offered in spring) and GLG 452 (offered in summer), are field-based and have additional course fees.</li> </ul>
📌 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
📌 Milestone: Complete SESE faculty mentoring.			
Term hours subtotal:	16		

Term 5 61 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GLG 310: Structural Geology	3	C	<ul style="list-style-type: none"> <li>• Students need two GLG branch courses (6 credits) and three upper division GLG or SES electives (9 credits). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES courses offered by the School of Earth and Space Exploration.</li> <li>• Students should meet with faculty advisor to discuss research opportunities.</li> <li>• Students should note that upcoming capstone classes, GLG 451 (offered in spring) and GLG 452 (offered in summer), are field-based and have additional course fees.</li> </ul>
★ GLG 321: Mineralogy	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
GLG OR SES Upper Division Elective	3	C	
Upper Division Science and Society Elective	3	C	
Term hours subtotal:	16		

Term 6 77 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GLG 451: Field Geology I (L)	3	C	<ul style="list-style-type: none"> <li>• Explore a research or <b>internship</b> opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students should talk to faculty mentors about how to find research opportunities.</li> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.</li> <li>• Research <b>career opportunities</b>.</li> </ul>
SES 401: Earth and Space Exploration Colloquium	1	C	
GLG OR SES Upper Division Elective	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	13		

Summer 6 90 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GLG 452: Field Geology II (L)	3	C	

Term hours subtotal: 3

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division GLG Branch Course	3	C	<ul style="list-style-type: none"> <li>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.</li> <li>• Apply for <b>career opportunities</b>.</li> </ul>
GLG OR SES Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division GLG Branch Course	3	C	
Complete 3 courses:			
Upper Division Elective	8		
Elective	1		
Term hours subtotal:	12		

- All students pursuing a BS or BSP degree in The College must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Upper Division GLG Branch Courses
GLG 362: Geomorphology
GLG 418: Geophysics
GLG 424: Petrology
GLG 430: Paleontology
GLG 435: Sedimentology and Stratigraphy
GLG 471: Hydrology
GLG 481: Geochemistry

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.



**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Economics, BS




School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAECNBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.</li> <li>Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142.</li> <li>Students considering graduate work in economics should choose MAT 270 or a prerequisite course.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 210: Brief Calculus (MA)	3-4	C	<ul style="list-style-type: none"> <li>Students considering graduate work in economics should select MAT 270 instead of MAT 210.</li> <li>Select your <b>career interest area</b> and play the game <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14-15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Students considering graduate work in economics should select MAT 271 instead of MAT 211.</li> <li>Many upper-division related area courses have prerequisites that can be completed as electives in terms 3, 4, and 5.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 211: Mathematics for Business Analysis	3-4	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		

❗ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15-16

- Visit the [Career and Professional Development Center](#) to identify networking opportunities and to seek career planning assistance.

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately.</li> <li>• Attend career related workshops and <b>meet</b> with a career counselor to discuss professional goals.</li> </ul>
❗ ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
Science and Society Elective	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	
ECN Upper Division Elective	3	C	
Upper Division Science and Society Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Complete an <b>internship</b> to develop job-related skills and connections.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C	
Related Area Course	3	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Attend a <b>career</b> or <b>graduate</b> education fair.</li> </ul>
Related Area Course	3	C	
ECN Upper Division Elective	3	C	
Upper Division Elective OR LIA 484: Internship OR ECN 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L)	3	C	<ul style="list-style-type: none"> <li>• Finalize future educational or <b>career</b> plans.</li> </ul>
ECN 4** Elective	3	C	

<i>Complete 2 courses:</i>	
Upper Division Elective	6
Elective	3
Term hours subtotal:	15

- Students must earn a C or better in all related area courses. Many upper-division related area courses have prerequisites that can be completed as electives.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses
ACC Elective
AGB Upper Division Elective
ASB Upper Division Elective
CIS Elective
ENG 301: Writing for the Professions (L)
FIN Upper Division Elective
GCU Upper Division Elective
GIS Upper Division Elective
HPS Upper Division Elective
HST Upper Division Elective
LES Upper Division Elective
LIA 484: Internship
MAT Upper Division Elective
MKT Upper Division Elective
NLM Upper Division Elective
PAF Elective
PHI Upper Division Elective
POS Upper Division Elective
PSY 304: Effective Thinking (L)
PSY 350: Social Psychology (SB)
PSY 4** Elective
PUP Upper Division Elective
REA Upper Division Elective

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SCM Upper Division Elective

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SGS Upper Division Elective

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SOC 324: Work and the Workplace (SB & H)

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SOC 331: Environmental Sociology (SB & G)

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SOC 333: Population (SB & G)

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SOC 339: Grassroots Social Movements (SB)

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SOC 350: Inequality and Diversity in  
Education (L & C)

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SOC 352: Social Change (SB & G & H)

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SOC 4\*\* Elective

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SOS Upper Division Elective

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STP Upper Division Elective

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USL 410: Service Learning: Diverse  
Community Issues (L & C)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Economics, BS



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)

LAECNBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Students placing into MAT 210 should take this course in Term 1-A. If not, students should select a prerequisite course. Students should not take MAT 142.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar is required of all first-year students.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Students may choose to complete Humanities (HU) and Historical Awareness (H) requirements separately.</li> <li>Many upper-division related area courses have prerequisites that can be completed as electives in earlier terms.</li> <li>Select your <a href="#">career interest area</a> and play <a href="#">me@ASU</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>Review the <a href="#">Career Guide for ASU Online Students</a> to learn about available career planning resources.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 26 - 32 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Many upper-division related area courses have prerequisites that can be completed as electives in earlier terms.</li> <li>• Register for a <b>Handshake</b> account and participate in <b>virtual career advising</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ MAT 211: Mathematics for Business Analysis	3	C	
Elective	3		
⚠ Complete First-Year Composition requirement. Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Many upper-division related area courses have prerequisites that can be completed as electives in earlier terms.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 4 - B 44 - 50 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - A 50 - 57 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		<ul style="list-style-type: none"> <li>• Humanities (HU) and Cultural Diversity in the U.S. (C) requirements may be completed separately.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• View <b>career webinars</b> offered by Career and Professional Development Center.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes



ECN Upper Division Elective	3	C
Upper Division Science and Society Elective	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>Gather professional references.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 410: Applied Regression Analysis and Forecasting	3	C	<ul style="list-style-type: none"> <li>Expand, refine and polish your resume.</li> </ul>
Related Area Course	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 4** Elective	3	C	<ul style="list-style-type: none"> <li>Explore an internship.</li> <li>Complete a virtual practice interview.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 4** Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
ECN Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research employment opportunities.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L)	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Term hours subtotal:	3		

- Students must earn a C or better in all related area courses. Many upper-division related area courses have prerequisites that can be completed as electives.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses
ACC Elective
AGB Upper Division Elective
ASB Upper Division Elective
CIS Elective
ENG 301: Writing for the Professions (L)
FIN Upper Division Elective
GCU Upper Division Elective
GIS Upper Division Elective
HST Upper Division Elective
LES Upper Division Elective
MAT Upper Division Elective
MKT Upper Division Elective
PAF Elective
PHI Upper Division Elective
POS Upper Division Elective
PSY 304: Effective Thinking (L)
PSY 350: Social Psychology (SB)
PSY 4** Elective
PUP Upper Division Elective
SCM Upper Division Elective
SGS Upper Division Elective
SOC 324: Work and the Workplace (SB & H)
SOC 4** Elective
SOS Upper Division Elective

**Notes:**

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.


## 2021 - 2022 Major Map




### Economics (Politics and the Economy), BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAECNPECBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First Year Seminar is required of all first-year students.</li> <li>Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142.</li> <li>Students considering graduate work in economics should choose MAT 270 or prerequisite course.</li> <li>Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 210: Brief Calculus (MA)	3-4	C	<ul style="list-style-type: none"> <li>Students considering graduate work in economics should select MAT 270 instead of MAT 210.</li> <li>Select your <b>career interest area</b> and play the game <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14-15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Students considering graduate work in economics should select MAT 271 instead of MAT 211.</li> <li>Visit the <b>Career and Professional Development Center</b> to identify networking opportunities and to seek career planning assistance.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 211: Mathematics for Business Analysis	3-4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	5		

❖ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 15-16

Term 4 45 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately.</li> <li>• Students may choose to combine the Global Awareness (G) with a concentration elective or ECN upper-division course.</li> <li>• Attend career related workshops and meet with a career counselor.</li> </ul>
❖ ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
Science and Society Elective	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Join Handshake and research career and internship opportunities.</li> </ul>
ECN Upper Division Elective	3	C	
Upper Division Science and Society Elective	3	C	
Concentration Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Complete an internship to develop job-related skills and connections.</li> <li>• Use Handshake to research employment opportunities.</li> </ul>
★ ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy	3	C	
Concentration Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy	3	C	<ul style="list-style-type: none"> <li>• Attend a career or graduate education fair.</li> </ul>
ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C	
POS 348: Do You Want to Build a Nation? (L)	3	C	
Upper Division Elective OR LIA 484: Internship OR ECN 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L)	3	C	

ECN 345: Survey of Environmental and Resource Economics OR ECN 355: Economics of Healthcare OR ECN 445: Environmental Economics OR ECN 455: Health Economics	3	C	• Finalize future educational or career plans.
Concentration Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:		15	

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Complete a minimum of three concentration electives. Concentration areas include U.S. Government, Politics, and Law. Select three courses from one area or select two from one area and a third from a different area.

Hide Course List(s)/Track Group(s)

Politics Concentration Electives	Law Concentration Electives	U.S. Government Concentration Electives
POS 150: Comparative Government (SB & G) or POS 350: Comparative Politics (SB & G)	POS 270: American Legal System (SB)	POS 110: American Government and Politics (SB) or POS 310: American National Government (SB)
POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G)	POS 313: The Congress (SB)	POS 216: State and Local Government (SB)
POS 210: Political Ideologies (SB)	POS 315: The Supreme Court (SB)	POS 230: Current Issues in National Politics (L or SB)
POS 240: Introduction to Southeast Asia ((HU or SB) & G)	POS 368: Ethics and Human Rights	POS 270: American Legal System (SB)
POS 247: Introduction to Latin American Politics (SB & G)	POS 370: Law and Society (SB)	POS 313: The Congress (SB)
POS 260: Current Issues in International Politics ((L or SB) & G)	POS 465: International Organization and Law (SB & G)	POS 314: The American Presidency (SB)
POS 300: Contemporary Global Controversies (SB & G)	POS 471: Constitutional Law I (SB)	POS 315: The Supreme Court (SB)
POS 301: Empirical Political Inquiry (SB)	POS 472: Constitutional Law II (SB)	POS 410: Governing American Cities (SB)
POS 331: Public Opinion (SB)	POS 480: Global Justice (G)	
POS 332: American Political Parties (SB)		
POS 336: Voters in America (SB)		
POS 339: Grassroots Social Movements (SB)		
POS 346: Problems of Democracy (HU)		
POS 352: European Democracies		
POS 353: Comparative Politics of the Middle East		
POS 356: European Union (SB & G)		

POS 359: African Politics and Society (SB & G)

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POS 361: American Foreign Policy (SB & G)

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POS 364: National Security, Intelligence, and Terrorism (SB)

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POS 367: World Politics and Global Inequalities (G)

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POS 417: Arizona Politics (SB)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### English, BA



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)



LAENGBA

### **FT** Fast Track Option: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students</li> </ul>
ASU 101-LA: The ASU Experience	1		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Join a <a href="#">student club</a> or professional organization</li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	



Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 7

Term 3 - A 27 - 34 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
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⚠ ENG 211: Introduction to English Studies	3	C	
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Second Language: Requirement satisfied through the following:

* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
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Term hours subtotal: 7

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
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⚠ Analysis of Literature and Language Elective	3	C	
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Second Language: Requirement satisfied through the following:

* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
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Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 41 - 47 Credit Hours	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
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• Explore an **internship**

Elective	2		
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Term hours subtotal: 6

Term 4 - B 47 - 53 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
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⚠ Analysis of Literature and Language Elective	3	C	
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Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
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Term hours subtotal: 6

Term 5 - A 53 - 60 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ENG 305: Interpretive Theory	3	C	
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Natural Science - Quantitative (SQ)	4		
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Term hours subtotal: 7

Term 5 - B 60 - 66 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ENG 308: Form and History/Culture	3	C	
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Literacy and Critical Inquiry (L)	3		
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Term hours subtotal: 6

Term 6 - A 66 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ENG 309: Rhetoric for Writers	3	C	
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Upper Division Elective	3		
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• Research **employment opportunities**

Term hours subtotal: 6

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Analysis of Film and Media Elective	3	C
Upper Division Elective	3	
.....		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
.....		
Term hours subtotal:	6	

Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 327: English Studies Research	3	C	
★ Writing Elective	3	C	
.....			
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Writing Elective	3	C	• Apply for full-time career opportunities
Upper Division Elective	3		
.....			
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 489: Scholarly Products	3	C	
Upper Division Elective	3		
.....			
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
.....			
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Analysis of Film and Media Elective	3	C	
Humanities, Arts and Design (HU)	3		
.....			
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Upper Division Elective	6		
.....			
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
.....			
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

Analysis of Literature and Language Electives	Analysis of Film and Media Electives	Writing
ENG 204: Topics in Contemporary Literature (HU)	ENG 441: Introduction to Participatory Media	ENG 200: Critical Reading and Writing About Literature (L or HU)
ENG 221: Survey of English Literature (HU)	ENG 443: Gender, Culture and Literacy	ENG 210: Introduction to Creative Writing
ENG 222: Survey of English Literature (HU & H)	ENG 466: Studies in International Film ((L or HU) & G)	ENG 215: Strategies of Academic Writing (L)
ENG 229: Love and Lust in Medieval Literature	FMS 110: Introduction to New Media (HU)	ENG 216: Persuasive Writing on Public Issues (L)
ENG 241: Literatures of the United States to 1860 ((L or HU) & C)	FMS 360: Media Genres	ENG 217: Writing Reflective Essays (L)
ENG 242: Literatures of the United States, 1860 to Present (HU)		ENG 287: Beginning Creative Writing Workshop in Poetry
ENG 303: Classical Backgrounds of English Literature (HU)		ENG 288: Beginning Creative Writing Workshop in Fiction
ENG 318: The Life and Death of Languages		ENG 301: Writing for the Professions (L)
ENG 319: Future of English		ENG 310: Intermediate Creative Writing
ENG 321: Shakespeare (L or HU)		ENG 311: Persuasive Writing (L)
ENG 323: Rhetoric and Grammar (L)		ENG 317: Cross-Cultural Writing ((L or HU) & G)
ENG 324: Horror: Film and Short Stories		ENG 379: Travel Writing (L)
ENG 328: The Novel to Jane Austen (HU & H)		ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice
ENG 329: 19th-Century British Fiction		ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice
ENG 333: American Ethnic Literature		ENG 410: Writing for Publication
ENG 334: The American Southwest in Literature and Film ((L or HU) & C)		
ENG 337: Major American Novels (L or HU)		
ENG 345: Selected Authors or Issues		
ENG 352: Short Story (L or HU)		
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)		
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)		
ENG 356: The Bible as Literature (HU)		
ENG 359: Indigenous American Literature ((L or HU) & C)		
ENG 360: Western American Literature (L or HU)		
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)		

ENG 364: Women and Literature (HU)

ENG 369: Science Fiction Studies

ENG 386: American Gothic

ENG 400: History of Literary Criticism (L or HU)

ENG 413: History of English Language (HU)

ENG 420: Multicultural Autobiographies ((L or HU) & C)

ENG 421: Studies in Shakespeare (L or HU)

ENG 423: Renaissance Drama (L or HU)

ENG 432: The American Renaissance (HU)

ENG 436: Studies in Anglophone Literature and Culture

ENG 440: Studies in American Literature and Culture

ENG 457: Studies in American Poetry (HU)

ENG 460: Ethnic Women Writers

ENG 470: Symbols and Archetypes in Children's Literature (L or HU)

ENG 471: Literature for Young Adults (HU)

ENG 472: Rhetorical Studies (L)

ENG 477: World Literature ((L or HU) & G)

#### Notes:

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

**Total College Residency Hrs:** 12 minimum

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### English (Creative Writing), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAENGCBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Minimum 3.00 GPA in English courses beyond first-year composition courses required</li> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Minimum 3.00 GPA in English courses beyond first-year composition courses required</li> <li>• Develop your <b>skills</b></li> </ul>
 ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction	3	C	

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Natural Science - Quantitative (SQ) 4

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction	3	C	<ul style="list-style-type: none"> <li>• Minimum 3.00 GPA in English courses beyond first-year composition courses required</li> </ul>
American Literature Course - 200 Level or Above	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice OR ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice	3	C	<ul style="list-style-type: none"> <li>• Minimum 3.00 GPA in English courses beyond first-year composition courses required</li> <li>• Explore an <a href="#">internship</a></li> </ul>
American Literature Course - 200 Level or Above	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ENG 487: Advanced Creative Writing Workshop in Poetry OR ENG 488: Advanced Creative Writing Workshop in Fiction	3	B	<ul style="list-style-type: none"> <li>• Minimum 3.25 GPA in English courses beyond first-year composition courses required</li> <li>• Research <a href="#">employment opportunities</a></li> </ul>
Complete 2 courses: 3** (300) Level Literary Study Course	6	C	
Upper Division Elective	3	C	
Elective	3		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 3.25 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ENG 498: Capstone Fiction (L) OR ENG 498: Capstone Poetry (L)	3	B	<ul style="list-style-type: none"> <li>• Minimum 3.25 GPA in English courses beyond first-year composition courses required</li> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
⭐ 4** (400) Level Literary Studies Course	3	C	
ENG Upper Division Elective OR ENG 484: Internship	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3	C	
Term hours subtotal:	15		

Maintain 3.25 GPA in Major Courses.

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** (400) Level Literary Studies Course	3	C	<ul style="list-style-type: none"> <li>Minimum 3.25 GPA in English courses beyond first-year composition courses required.</li> </ul>
ENG Upper Division Elective	3	C	
ENG Elective	3	C	
Complete 2 courses: Upper Division Elective	6	C	
Maintain 3.25 GPA in Major Courses.			

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

American Literature at 200 Level or Above	300-Level Literary Study Course	400-Level Literary Study Course
ENG 241: Literatures of the United States to 1860 ((L or HU) & C)	ENG 303: Classical Backgrounds of English Literature (HU)	ENG 400: History of Literary Criticism (L or HU)
ENG 242: Literatures of the United States, 1860 to Present (HU)	ENG 315: Medieval Literature in Translation	ENG 401: Topics in Critical Theory
ENG 333: American Ethnic Literature	ENG 321: Shakespeare (L or HU)	ENG 415: Studies in Medieval Literature and Culture (HU)
ENG 335: American Poetry	ENG 325: Restoration and the 18th Century	ENG 416: Chaucer in Middle English (HU)
ENG 337: Major American Novels (L or HU)	ENG 326: English Drama 1660-1800 (HU)	ENG 418: Renaissance Literature (L or HU)
ENG 345: Selected Authors or Issues	ENG 328: The Novel to Jane Austen (HU & H)	ENG 421: Studies in Shakespeare (L or HU)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	ENG 329: 19th-Century British Fiction	ENG 422: Special Topics in Shakespeare
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)	ENG 330: 19th-Century British Poetry	ENG 423: Renaissance Drama (L or HU)
ENG 359: Indigenous American Literature ((L or HU) & C)	ENG 332: Studies in Race and Ethnicity in Literature and Culture	ENG 424: Milton (HU)
ENG 360: Western American Literature (L or HU)	ENG 333: American Ethnic Literature	ENG 425: Studies in Romanticism (HU)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	ENG 335: American Poetry	ENG 426: British Culture and Empire
ENG 434: Studies in the Literature and Culture of the Americas	ENG 337: Major American Novels (L or HU)	ENG 427: Studies in 18th-Century Literature and Culture (HU)
ENG 440: Studies in American Literature and Culture	ENG 338: Protest Literature	ENG 429: Politics & Culture in European Short Fiction ((L or HU) & G & H)
ENG 445: Studies in American Realism (L or HU)	ENG 342: 20th-Century British and Irish Literature (HU)	ENG 430: Studies in Victorian Literature and Culture (L or HU)
ENG 453: Studies in the American Novel (HU)	ENG 344: Selected Authors or Issues	ENG 434: Studies in the Literature and Culture of the Americas
	ENG 349: Global Literary Studies	ENG 435: Literatures and Cultures of Immigration and Diaspora
	ENG 350: Studies in Literary Histories and Traditions	ENG 436: Studies in Anglophone Literature and Culture
	ENG 352: Short Story (L or HU)	ENG 437: The American Novel, 1900 - 1960 (L or HU)
	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)	



ENG 457: Studies in American Poetry (HU)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)	ENG 440: Studies in American Literature and Culture
ENG 458: Latina/o Literature ((L or HU) & C)	ENG 355: European Dramatic Traditions (L or HU)	ENG 442: Studies in 20th-Century British and Irish Literature and Culture
ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G)	ENG 356: The Bible as Literature (HU)	ENG 444: Topics for Interdisciplinary Study of Literature and Culture
	ENG 359: Indigenous American Literature ((L or HU) & C)	ENG 445: Studies in American Realism (L or HU)
	ENG 360: Western American Literature (L or HU)	ENG 447: Experimental Narrative (HU)
	ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)	ENG 448: Studies in Irish Literature and Culture
	ENG 364: Jane Austen (HU)	ENG 452: Studies in the Novel (HU)
	ENG 369: Science Fiction Studies	ENG 453: Studies in the American Novel (HU)
	ENG 384: Studies in Gender and Sexuality in Literature and Culture	ENG 455: Contemporary Women Writers
	ENG 400: History of Literary Criticism (L or HU)	ENG 457: Studies in American Poetry (HU)
	ENG 401: Topics in Critical Theory	ENG 458: Latina/o Literature ((L or HU) & C)
	ENG 415: Studies in Medieval Literature and Culture (HU)	ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G)
	ENG 416: Chaucer in Middle English (HU)	ENG 461: Studies in Women and Literature
	ENG 418: Renaissance Literature (L or HU)	ENG 465: Studies in Film
	ENG 421: Studies in Shakespeare (L or HU)	ENG 469: Science and Literature
	ENG 422: Special Topics in Shakespeare	ENG 470: Symbols and Archetypes in Children's Literature (L or HU)
	ENG 423: Renaissance Drama (L or HU)	ENG 471: Literature for Young Adults (HU)
	ENG 424: Milton (HU)	ENG 476: Studies in Folklore
	ENG 425: Studies in Romanticism (HU)	ENG 478: Studies in Modernism
	ENG 426: British Culture and Empire	ENG 479: Studies in Postmodernism (HU & G)
	ENG 427: Studies in 18th-Century Literature and Culture (HU)	
	ENG 429: Politics & Culture in European Short Fiction ((L or HU) & G & H)	
	ENG 430: Studies in Victorian Literature and Culture (L or HU)	
	ENG 434: Studies in the Literature and Culture of the Americas	
	ENG 435: Literatures and Cultures of Immigration and Diaspora	
	ENG 436: Studies in Anglophone Literature and Culture	

ENG 437: The American Novel, 1900 - 1960  
(L or HU)

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ENG 440: Studies in American Literature and  
Culture

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ENG 442: Studies in 20th-Century British and  
Irish Literature and Culture

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ENG 444: Topics for Interdisciplinary Study  
of Literature and Culture

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ENG 445: Studies in American Realism (L or  
HU)

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ENG 447: Experimental Narrative (HU)

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ENG 448: Studies in Irish Literature and  
Culture

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ENG 452: Studies in the Novel (HU)

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ENG 453: Studies in the American Novel  
(HU)

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ENG 455: Contemporary Women Writers

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ENG 457: Studies in American Poetry (HU)

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ENG 458: Latina/o Literature ((L or HU) & C)

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ENG 459: Studies in African  
American/Caribbean Literatures ((L or HU) &  
G)

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ENG 461: Studies in Women and Literature

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ENG 465: Studies in Film

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ENG 469: Science and Literature

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ENG 470: Symbols and Archetypes in  
Children's Literature (L or HU)

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ENG 471: Literature for Young Adults (HU)

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ENG 476: Studies in Folklore

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ENG 478: Studies in Modernism

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ENG 479: Studies in Postmodernism (HU &  
G)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### English (Linguistics), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAENGNBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest</b> area and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
 ENG 213: Introduction to the Study of Language OR SLC 201: Introduction to Linguistics (HU or SB)	3	C	

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Natural Science - Quantitative (SQ) 4

❗ Complete Mathematics (MA) requirement.

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar	3	C	• Explore an internship
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ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 (L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	3	C	
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Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Elective 2

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar	3	C	• A minimum of 18 upper-division elective hours is required in the major, 12 of which must be taken in courses offered by The College of Liberal Arts and Sciences.
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Course taught in a language other than English beyond the 202 level (greater than 314 for POR or ROM) OR introductory course in a third language (not English)	3	C
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ENG Elective 3 C

Upper Division Elective 3

Elective 3

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar	3	C	• A minimum of 18 upper-division elective hours is required in the major, 12 of which must be taken in courses offered by The College of Liberal Arts and Sciences. • Research employment opportunities
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★ ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics	3	C
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ENG 413: History of English Language (HU) 3 C

Complete 2 courses: 6

Upper Division Elective

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
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Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ENG 403: Semantics OR ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics	3	C
ENG Upper Division Elective OR ENG 484: Internship	3	C
Upper Division Elective	3	
Complete 2 courses: Elective	6	
Maintain 2.00 GPA in Major Courses.		
Term hours subtotal:	15	

- A minimum of 18 upper-division elective hours is required in the major, 12 of which must be taken in courses offered by The College of Liberal Arts and Sciences.
- Apply for **full-time career opportunities**

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 403: Semantics OR ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics	3	C	• A minimum of 18 upper-division elective hours is required in the major, 12 of which must be taken in courses offered by The College of Liberal Arts and Sciences.
ENG Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### English (Literature), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAENGTBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
MAT 142: College Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 206: Introduction to Literary Studies	3	C	
ENG 221: Survey of English Literature (HU) OR ENG 241: Literatures of the United States to 1860 (L or HU) & C	3	C	



Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Natural Science - Quantitative (SQ) 4

❗ Complete Mathematics (MA) requirement.

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ ENG 200: Critical Reading and Writing About Literature (L or HU) 3 C

ENG 222: Survey of English Literature (HU & H) OR ENG 242: Literatures of the United States, 1860 to Present (HU) 3 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Elective 2

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ENG 304: Critical Theories and Methods 3 C

★ ENG 332: Studies in Race and Ethnicity in Literature and Culture OR ENG 384: Studies in Gender and Sexuality in Literature and Culture 3 C

Complete 2 courses:  
 Upper Division Elective 6

Elective 3

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ENG 349: Global Literary Studies OR ENG 350: Studies in Literary Histories and Traditions 3 C

ENG Elective OR ENG 484: Internship 3 C

Complete 2 courses:  
 Upper Division Elective 6

Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ENG 444: Topics for Interdisciplinary Study of Literature and Culture 3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3 C

Complete 2 courses:  
 Upper Division Elective 6

• Explore an internship

• Research employment opportunities

• Apply for full-time career opportunities

Elective 3

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 491: Topics for Advanced Research	3	C	
ENG course (L) Upper Division	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### English (Secondary Education), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAENGSEBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	<ul style="list-style-type: none"> <li>Teachers College Clinical Experience Requirement: Apply for Department of Public Safety <b>Identity Verified Print (IVP) Fingerprint Clearance Card</b>.</li> </ul>
ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	3	C	

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ ENG 213: Introduction to the Study of Language

3 C

Complete 2 courses:

ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)

6 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C

Elective

3

❗ Minimum 2.50 GPA ASU Cumulative.

Milestone: Complete online Intent to Progress form (meet with advisor).

Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.

Term hours subtotal: 16

• Must attend Teachers College Professional Pathways Program Orientation prior to registering for education courses in Term 5.

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SED 396: Clinical Experience I

1 Y

★ TEL 311: Instruction and Management in the Inclusive Classroom

3 C

★ Ethnic or Women's Literature Course

3 C

ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)

3 C

Natural Science - Quantitative (SQ)

4

Elective

2

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

• During your clinical experience internship, you will work alongside a mentor teacher, in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 5-8.

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ BLE 407: SEI for Secondary Students (L)

3 C

★ ENG 321: Shakespeare (L or HU) OR ENG 421: Studies in Shakespeare (L or HU) OR ENG 422: Special Topics in Shakespeare

3 C

★ ENG 480: Methods of Teaching English: Composition (L)

3 C

★ SED 397: Clinical Experience II

1 Y

★ SPE 417: Inclusion Practices at the Secondary Level

3 C

ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar

3 C

• Research employment opportunities

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 471: Literature for Young Adults (HU)	3	C	<ul style="list-style-type: none"> <li>All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.</li> <li>Students seeking teacher certification must pass required <b>educator exams</b>. Please speak with your Teachers College Advisor to plan appropriately.</li> <li>Apply for <b>full-time career opportunities</b></li> </ul>
★ ENG 482: Methods of Teaching English: Language (L)	3	C	
★ ENG 486: Teaching Text	3	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	Y	<ul style="list-style-type: none"> <li>Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

Ethnic or Women's Literature

ENG 332: Studies in Race and Ethnicity in Literature and Culture

ENG 333: American Ethnic Literature

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 359: Indigenous American Literature ((L or HU) & C)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

ENG 364: Women and Literature (HU)

ENG 384: Studies in Gender and Sexuality in Literature and Culture

Notes:

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### English (Writing, Rhetorics and Literacies), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAENGWBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• <b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
ENG Elective	3	C	

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Natural Science - Quantitative (SQ) 4

❗ Complete Mathematics (MA) requirement.

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ ENG 205: Introduction to Writing, Rhetorics and Literacies (L) 3 C

• Explore an **internship**

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Humanities, Arts and Design (HU) AND Global Awareness (G) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Elective 2

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Complete 2 courses:

★ ENG 390: Methods of Inquiry (L) OR ENG 391: Writing in Context OR ENG 392: History of Rhetorical Theory OR ENG 393: Theories of Literacy 6 C

• At least 12 of the upper-division hours required in the major must be taken in courses offered by The College of Liberal Arts and Sciences.  
 • ENG electives must be taken at the 200 level or above.

★ Upper Division Directed Elective 3 C

ENG Elective 3 C

Upper Division Elective 3

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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Complete 2 courses:

★ ENG 390: Methods of Inquiry (L) OR ENG 391: Writing in Context OR ENG 392: History of Rhetorical Theory OR ENG 393: Theories of Literacy 6 C

• At least 12 of the upper-division hours required in the major must be taken in courses offered by The College of Liberal Arts and Sciences.  
 • Research **employment opportunities**.

★ Upper Division Directed Elective 3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses:

Upper Division Directed Elective 6 C

ENG Elective 3 C



Complete 2 courses: 6

Upper Division Elective

Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 15

- At least 12 of the upper-division hours required in the major must be taken in courses offered by The College of Liberal Arts and Sciences.
- The required ENG 484 internship may be taken in either term 7 or term 8.
- ENG electives must be taken at the 200 level or above.
- Apply for **full-time career opportunities**

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 484: Internship	3	C	• At least 12 of the upper-division hours required in the major must be taken in courses offered by The College of Liberal Arts and Sciences. • The required ENG 484 internship may be taken in either term 7 or term 8.
★ Upper Division Directed Elective	3	C	
Upper Division Elective	3		
Complete 2 courses:	6		
Elective			
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

#### Hide Course List(s)/Track Group(s)

Directed Electives

ENG 301: Writing for the Professions (L)

ENG 311: Persuasive Writing (L)

ENG 317: Cross-Cultural Writing ((L or HU) & G)

ENG 338: Protest Literature

ENG 370: Science, Values, and the Public

ENG 371: Rhetoric of the Environmental Movement

ENG 409: Analyzing Rhetoric

ENG 419: Writing in Digital Spaces

ENG 472: Rhetorical Studies (L)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Family and Human Development, BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAFASBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FAS 101: Personal Growth in Human Relationships (SB) OR CDE 232: Human Development (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>This degree requires completion of MAT 142 with a grade of C or better. Transfer students who have not completed a math course directly equivalent to an ASU course meeting the requirement will be required to take an additional math course.</li> <li>Select a <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
PSY OR SOC Elective	3	C	
Elective	3		
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FAS 101: Personal Growth in Human Relationships (SB) OR CDE 232: Human Development (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
<i>Complete 2 courses:</i> Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Science and Society Elective	3	C	
FAS Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ STP 226: Elements of Statistics (CS) OR PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS)	3	C	• Explore an <b>internship</b> .
PSY OR SOC Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
⚠ Complete Natural Science - Quantitative (SQ) OR Natural Science - General (SG) course(s).			
Term hours subtotal:		15	

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ FAS 361: Research Methods (L or SB) OR SOC 391: Research Methods (L or SB)	3	C	
FAS 331: Marriage and Family Relationships (SB)	3	C	
FAS 370: Family Ethnic and Cultural Diversity (SB & C)	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:		15	

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division FAS or CDE Elective	3	C	• Research <b>employment opportunities</b> . • For the Upper Division FAS or CDE Elective, students should choose from the course lists provided below.
Upper Division Science and Society Elective	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 93 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division FAS or CDE Elective	3	C	• Gather <b>professional references</b> .
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:		12	

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division FAS or CDE Elective	3	C	• Apply for <b>full-time career opportunities</b> .
Complete 2 courses:			
Upper Division Elective	6		
Complete 2 courses:			
Elective	6		
Term hours subtotal:		15	

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

CDE Electives	FAS Electives
CDE 244: Children Facing Health Care Challenges	FAS 264: Gender and Society (SB & C)
CDE 312: Adolescence (SB)	FAS 301: Introduction to Parenting
CDE 337: Early Childhood Intervention	FAS 324: Work and the Workplace (SB & H)
CDE 338: Child Development Practicum	FAS 332: Human Sexuality (SB)
CDE 418: Aging and the Life Course (SB & H)	FAS 390: Supervised Research Experience
CDE 430: Infant/Toddler Development in the Family (SB)	FAS 435: Advanced Marriage and Family Relationships (L or SB)
CDE 450: Child Dysfunction in the Family	FAS 440: Fundamentals of Marriage and Family Therapy
	FAS 484: Internship

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Family and Human Development, BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)



LAFASBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR FAS 101: Personal Growth in Human Relationships (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students</li> <li>Select a <b>career interest area</b> and play me3@ASU.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
PSY OR SOC Elective	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR FAS 101: Personal Growth in Human Relationships (SB)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>This degree requires completion of MAT 142 with a grade of C or better. Transfer students who have not completed a math course directly equivalent to an ASU course meeting the requirement will be required to take an additional math course.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes

Natural Science - Quantitative (SQ)	4
Elective	3
Term hours subtotal:	7



Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS)	3	C	
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY OR SOC Elective	3	C	• Develop your skills
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FAS 361: Research Methods (L or SB) OR SOC 391: Research Methods (L or SB)	3	C	
FAS 331: Marriage and Family Relationships (SB)	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
FAS 370: Family Ethnic and Cultural Diversity (SB & C)	3	C	
FAS Elective	3	C	
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division FAS or CDE Elective	3	C	• For the Upper Division FAS or CDE Electives, students should choose from the course lists below.
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Science and Society Elective	3	C	• Research employment opportunities
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		



Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division FAS or CDE Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division FAS or CDE Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:	6		
Upper Division Elective			• Gather professional references
Term hours subtotal:	6		
Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	6		
Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	6		
Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		• Apply for full-time career opportunities
Term hours subtotal:	6		
Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Elective	3		
Term hours subtotal:	3		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

CDE Electives	FAS Electives
CDE 244: Children Facing Health Care Challenges	FAS 264: Gender and Society (SB & C)
CDE 312: Adolescence (SB)	FAS 301: Introduction to Parenting
CDE 418: Aging and the Life Course (SB & H)	FAS 324: Work and the Workplace (SB & H)
CDE 430: Infant/Toddler Development in the Family (SB)	FAS 332: Human Sexuality (SB)
CDE 450: Child Dysfunction in the Family	FAS 390: Supervised Research Experience
	FAS 435: Advanced Marriage and Family Relationships (L or SB)
	FAS 440: Fundamentals of Marriage and Family Therapy
	FAS 484: Internship

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Film (Film and Media Studies), BA



School/College: [The College of Liberal Arts and Sciences](#)




Location: [Tempe campus](#)

LAFMSBA




Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 100: Introduction to Film and Media Studies (HU)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 200: Film and Media History ((L or HU) & H)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
 Complete Mathematics (MA) requirement.			



Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS OR FMP Elective	3	C	• Explore an <a href="#">internship</a>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C)	3	C	
 Complete 2 courses: Directed Electives	6	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C)	3	C	• Research <a href="#">employment opportunities</a>
 Directed Electives	3	C	
Complete 3 courses: Upper Division Elective	9		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C)	3	C	• Apply for <a href="#">full-time career opportunities</a>
 Directed Electives	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Directed Electives	3	C	
FMS OR FMP Upper Division Elective OR FMS 484: Internship	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

## Hide Course List(s)/Track Group(s)

### Directed Electives

FMS 209: Screenwriting Fundamentals

FMS 302: U.S. Media Industries

FMS 340: Contemporary American Film and Popular Culture (HU)

FMS 360: Media Genres

FMS 374: Film and Media Visionaries

FMS 375: LGBTV: Television and Sexuality

FMS 461: Film Theory and Criticism

FMS 474: Women and Power in Media

### Notes:

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map














### Film (Film and Media Studies), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LAFMSBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 100: Introduction to Film and Media Studies (HU)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		
Term 2 - A 14 - 21 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		
Term 2 - B 21 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 FMS 200: Film and Media History ((L or HU) & H)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 28 - 35 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	7		
Term 3 - B 35 - 41 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		• Contact <a href="#">Career and Professional Development Services</a> and schedule an appointment with a career advisor for assistance with career planning and networking.
Term 4 - A 41 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FMS OR FMP Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		• Explore an <a href="#">internship</a>
Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	6		
Term 5 - A 53 - 59 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C)	3	C	
 Directed Electives	3	C	
Term hours subtotal:	6		
Term 5 - B 59 - 66 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Directed Electives	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 6 - A 66 - 72 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		• Research employment opportunities
Term 6 - B 72 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C)	3	C	
Upper Division Elective	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Directed Electives	3	C	• Gather professional references.
Upper Division Elective	3		
Term hours subtotal:		6	

Term 7 - B 84 - 90 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:		6	

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Directed Electives	3	C	• Create or update your resume.
Elective	3		
Term hours subtotal:		6	

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:			
Upper Division Elective	6		• Use Handshake to research employment opportunities.
Term hours subtotal:		6	

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ FMS OR FMP Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:		6	

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:			
Upper Division Elective	6		• Apply for full-time career opportunities.
Term hours subtotal:		6	

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Directed Electives	3	C	
Upper Division Elective	3		
Term hours subtotal:		6	

Hide Course List(s)/Track Group(s)

Directed Electives

FMS 209: Screenwriting Fundamentals



FMS 340: Contemporary American Film and Popular Culture (HU)

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FMS 360: Media Genres

---

FMS 374: Film and Media Visionaries

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FMS 461: Film Theory and Criticism

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map

### French, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAFREBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a placement test.</li> <li>Learn about <a href="#">French Language Intensive Courses</a></li> <li>Students may opt to take FRE 110 Intensive French I (equivalent to FRE 101 and FRE 102) in term 1. This course is offered in the Fall semester.</li> <li>Engage in <a href="#">French</a> at ASU</li> </ul>
FRE 101: Elementary French I (G)	4	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Start planning your study abroad experience. Learn about faculty-directed summer programs in <a href="#">QuÃ©bec, Canada</a>, and in <a href="#">Lyon, France</a>. Attend a <a href="#">Financing Your Study Abroad Program Workshop</a>.</li> <li>Activate your <a href="#">Handshake</a> account and build out your profile.</li> <li>Students may opt to take FRE 210 Intensive French II (equivalent to FRE 201 and FRE 202) in term 2. This course is offered in Spring only.</li> </ul>
FRE 102: Elementary French II (G)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete ENG 101 or ENG 105 or ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
FRE 201: Intermediate French I (G)	4	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures <a href="#">academic advisor</a> to learn about <a href="#">internships</a> and <a href="#">scholarships and awards</a> for language and culture majors.</li> <li>French offers a huge advantage if you are interested in working for the <a href="#">Peace Corps</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Complete 2 courses:			
Elective	5		

❖ Complete Mathematics (MA) requirement.

Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to learn which semester or academic year study abroad program works best with your major.</li> </ul>
FRE 202: Intermediate French II (G)	4	C	
Upper Division Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FRE 305: Readings in French Literature (G)	3	C	<ul style="list-style-type: none"> <li>Enroll in listed courses or meet with your <b>academic advisor</b> about participating in an International Letters and Cultures endorsed <b>study abroad program</b> for your major.</li> <li>Find out about research opportunities with the <b>Humanities Lab at ASU</b>.</li> </ul>
★ FRE 311: Oral and Written Expression I (G)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FRE 312: Oral and Written Expression II (G)	3	C	<ul style="list-style-type: none"> <li>Learn about <b>national scholarships, fellowships, and research opportunities</b>.</li> <li>Secure a <b>part-time job or volunteer experience</b>.</li> <li>Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ FRE 321: French Cultural Masterpieces I ((L or HU) & H) OR FRE 322: French Cultural Masterpieces II (L or HU)	3	C	
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FRE 321: French Cultural Masterpieces I ((L or HU) & H) OR FRE 322: French Cultural Masterpieces II (L or HU)	3	C	<ul style="list-style-type: none"> <li>Enroll in listed courses or meet with your <b>academic advisor</b> about participating in an International Letters and Cultures recommended <b>study abroad program</b> for your major.</li> </ul>
★ Complete 2 courses: FRE 4** Elective	6	C	
Upper Division Elective OR FRE 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FRE 4** Elective	3	C	<ul style="list-style-type: none"> <li>Attend an <b>ASU Career Services</b> workshop or Job Fair.</li> </ul>
★ FRE Upper Division Elective	3	C	

<i>Complete 2 courses:</i>	6
Upper Division Elective	
Elective	3
Term hours subtotal:	15

Hide Course List(s)/Track Group(s)

Related Area Course
ARS 310: The Renaissance in Tuscany
ARS 414: Monasteries, Madonnas and Manuscripts (HU & H)
ARS 424: Italian Baroque Art (HU & H)
ARS 438: Art of the 20th Century I (HU & H)
ARS 439: Art of the 20th Century II (HU & H)
COM 371: Language, Culture, and Communication (SB & C & G)
FMP 404: World Cinema (G)
GCU 325: Geography of Europe (SB & G)
GCU 359: Cities of the World I (SB & G & H)
HST 349: Early Middle Ages ((HU or SB) & H)
HST 350: Later Middle Ages ((HU or SB) & H)
HST 351: Renaissance Europe ((L or HU or SB) & H)
HST 352: Europe's Reformations ((L or HU or SB) & H)
HST 356: Europe since 1945 (SB & G & H)
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)
HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)
HST 362: Sex and Society in Classical and Medieval Europe (SB & H)
HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)
HST 364: Sex and Society in Modern Europe ((L or SB) & H)
HST 365: World Wars I and II: Europe's Eastern Front
HST 368: Culture and Imagination in European History (HU & H)

HST 465: Women in Europe, 1750 to Present  
(HU or SB) & H

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ITA 350: Food and Culture: The  
Mediterranean Lifestyle in Italy

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POS 356: European Union (SB & G)

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POS 360: World Politics (SB & G)

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POS 486: International Political Economy (SB  
& G)

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REL 372: Formation of the Christian Tradition  
(HU & H)

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REL 385: Contemporary Western Religious  
Thought (HU)

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REL 470: Religion in the Middle Ages (HU &  
H)

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REL 471: Reformation and Modern  
Christianity (HU & H)

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SGS 360: Cultural Aspects of Globalization

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SLC 340: Approaches to International Cinema  
(HU & G)

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SLC 373: Roman History I: Foundations and  
Republic

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SLC 374: Roman History II: The Roman  
Empire

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SLC 423: Italian Organized Crime in Films  
and History ((L or HU) & G)

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SLC 429: Studies in European Literature and  
Culture ((L or HU) & G & H)

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SLC 439: Art in Exile: VladĀ-mir  
VladĀ-mirovich Nabokov (L or HU)

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SLC 445: The Holocaust in German-Mediated  
Memory

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SLC 446: Weimar-Era German Film

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SLC 447: German Modernism

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SLC 455: Berlin: Migration, Arts and  
Activism (G)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that

guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Geographic Information Science, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAGISBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• MAT 170 is the required math course for this major. If a student does not qualify for MAT 170 enrollment, they should enroll in MAT 117 to prepare for MAT 170.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Students will select two related area courses from the list of prefixes below.</li> <li>• Play <a href="mailto:me3@asu.edu">me3@asu.edu</a> and select your area of career interest.</li> </ul>
 Mathematics (MA)	3	C	
Related Area Course	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Natural Science - Quantitative (SQ)	4		
Elective	1		
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students will select two related area courses from the list of prefixes below.</li> <li>• Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
 GIS 205: Geographic Information Science I (CS)	3	C	
 MAT 170: Precalculus (MA)	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 211: Geographic Information Science II (CS)	4	C	<ul style="list-style-type: none"> <li>• For a full list of Science and Society courses, go <a href="#">here</a>.</li> </ul>
GIS 270: Statistics for Geography and Planning	3	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ GIS 222: Programming Principles in GIS I	3	C	<ul style="list-style-type: none"> <li>Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
⚠ GIS 311: Geographic Information Science III (CS)	4	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIS 322: Programming Principles in GIS II	3	C	<ul style="list-style-type: none"> <li>Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available <a href="#">here</a>.</li> <li>Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>Students interested in pursuing an accelerated master's degree in <b>urban and environmental planning</b> should initiate contact with <b>graduate advising</b></li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIS 470: Advanced Statistics for Geography and Planning (CS)	3		<ul style="list-style-type: none"> <li>Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>Develop your <b>professional online presence</b>.</li> </ul>
★ GIS Upper Division Elective	3	C	
Upper Division Elective OR GIS 484: Internship	3		
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available <a href="#">here</a> and <a href="#">here</a>.</li> <li>For more information on the Science and Society requirement, visit <a href="#">this webpage</a>.</li> </ul>
Upper Division Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	4		
Term hours subtotal:	16		

		Minimum	
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Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division GIS Applied Experience Course	3	C	
★ GIS Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	5		
Term hours subtotal:	14		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

GIS Applied Experience Courses	Related Area Courses
GIS 484: Internship	CEE OR CSE OR EEE OR EGR OR FSE OR GCU OR GIS OR GPH OR IEE OR PUP
GIS 498: Pro-Seminar	Elective
GIS 499: Individualized Instruction	
GPH 492: Honors Directed Study	
GPH 493: Honors Thesis (L)	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Geographic Information Science, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)



LAGISBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• MAT 170 is the required math course for this major. If a student does not qualify for MAT 170 enrollment, they should enroll in MAT 117 to prepare for MAT 170.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>• Select your <b>career interest area</b> and play <a href="mailto:me3@asu.edu">me3@asu.edu</a>.</li> </ul>
 Mathematics (MA)	3	C	
ASU 101-LA: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>• View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>• <b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> </ul>
 MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 205: Geographic Information Science I (CS)	3	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes



 GIS 222: Programming Principles in GIS I	3	C
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Term hours subtotal:	6	

- GIS 222 is offered in Session A of every Fall semester. If your specific Term 3-A is in a Spring semester, your major course would be GIS 211.
- **Network** in your career interest area.

Term 3 - B 31 - 38 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Develop your professional <b>skills</b>.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		


Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 211: Geographic Information Science II (CS)	4	C	<ul style="list-style-type: none"> <li>• GIS 211 is offered in Session A of every Spring semester. If your specific Term 4-A is in a Fall semester, your major course would be GIS 222.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. More information on internships is available <a href="#">here</a>.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 270: Statistics for Geography and Planning	3	C	<ul style="list-style-type: none"> <li>• For a full list of Science and Society courses, go <a href="#">here</a>.</li> </ul>
Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 64 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 311: Geographic Information Science III (CS)	4	C	<ul style="list-style-type: none"> <li>• GIS 311 is offered in Session B of every Spring semester. If your specific Term 5-B is in a Fall semester, your major course would be GIS 322.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 6 - A 64 - 70 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	2		
Term hours subtotal:	6		

Term 6 - B 70 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ GIS 322: Programming Principles in GIS II	3	C
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

- GIS 322 is offered in Session B of every Fall semester. If your specific Term 6-B is in a Spring semester, your major course would be GIS 311.
- Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on graduate programs offered through ASU's School of Geographical Sciences and Urban Planning is available [here](#).

Term 7 - A 76 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS 470: Advanced Statistics for Geography and Planning (CS)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 7 - B 82 - 90 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	5		
Elective			
Term hours subtotal:	8		

- Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available [here](#).
- Create a first draft [resume](#).

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- Complete an in person or virtual [practice interview](#).

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- Gather [professional references](#).

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- For more information about the Science and Society requirement, visit [this webpage](#).
- Students planning to enter the job market should apply for [full-time career opportunities](#).

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division GIS Applied Experience Course	3	C	
Elective	3		
Term hours subtotal:	6		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

GIS Applied Experience Courses	Related Area Courses
GIS 484: Internship	CEE OR CSE OR EEE OR EGR OR FSE OR
GIS 498: Pro-Seminar	GCU OR GIS OR GPH OR IEE OR PUP
GIS 499: Individualized Instruction	Elective
GPH 492: Honors Directed Study	
GPH 493: Honors Thesis (L)	

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Geography, BA




School/College: [The College of Liberal Arts and Sciences](#)


Location: [Tempe campus](#)



LAGCUBA



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Set up your <b>Handshake</b> account, play <b>me3@ASU</b> and select your <b>career interest area</b>.</li> </ul>
 GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	2		
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
 GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	1		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
		<b>Minimum</b>	



Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 46 - 61 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	4	C	<ul style="list-style-type: none"> <li>Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available <a href="#">here</a>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	15		

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GCU OR GIS OR GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>Students interested in pursuing an accelerated master's degree in <a href="#">geography</a> or <a href="#">urban and environmental planning</a> should initiate contact with <a href="#">graduate advising</a></li> </ul>
Related Area Course	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GCU Upper Division Elective OR GCU 484: Internship	3	C	<ul style="list-style-type: none"> <li>Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate</li> </ul>
Related Area Course	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

programs offered through the School of Geographical Sciences and Urban Planning is available [here](#).

- Use Handshake to research [employment opportunities](#)

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU OR GIS OR GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available <a href="#">here</a> and <a href="#">here</a>.</li> </ul>
GCU Upper Division Elective OR GCU 484: Internship	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Elective	2		
Term hours subtotal:	14		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	
GCU OR GIS OR GPH Upper Division Elective	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Related Area Courses

ASB OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map


### Geography, BA


School/College: [The College of Liberal Arts and Sciences](#)




Location: [Online, ASU Local@Los Angeles](#)

LAGCUBA


Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Selection of general studies courses will be determined by elective courses taken that can also be used toward the major.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Set up your <a href="#">Handshake</a> account, play <a href="#">me3@asu</a> and select your <a href="#">career interest</a> area.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		


Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		

Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 25 - 31 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>Visit <a href="#">Career and Professional Development Services</a> and speak with a career advisor for assistance with career planning and networking.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 3 - B 31 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	
Elective	3		
Complete First-Year Composition requirement. Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 37 - 44 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>Create your professional online presence on <a href="#">LinkedIn</a>.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 44 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	7		

Term 5 - A 51 - 58 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Related Area Course Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
	4	C	
Term hours subtotal:	7		

Term 5 - B 58 - 65 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	7		

Term 6 - A 65 - 72 Credit Hours <b>Necessary course signified by</b>	Minimum	

	Hours	Grade	Notes
★ GCU Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Students interested in continuing to graduate study following the completion of the bachelors program should start investigating potential graduate programs including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available <a href="#">here</a> and <a href="#">here</a>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU OR GIS OR GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Use <a href="#">Handshake</a> to research employment opportunities.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU OR GIS OR GPH Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

		Minimum	
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Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ GCU OR GIS OR GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> <li>• Update and polish your resume.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

Related Area Courses

ASB OR GCU OR GIS OR GPH OR POS OR  
PUP OR SGS OR SOC OR SOS Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Geography, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAGCUBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>GCU 102: Introduction to Human Geography (SB &amp; G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)</p>	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
<p>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>LIA 101: Student Success in The College of Liberal Arts and Sciences</p>	1		
<p>Humanities, Arts and Design (HU) AND Historical Awareness (H)</p>	3		
<p><i>Complete 2 courses:</i> Elective</p>	6		
<p>Term hours subtotal:</p>	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>GCU 102: Introduction to Human Geography (SB &amp; G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)</p>	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
<p>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>MAT 142: College Mathematics (MA)</p>	3	C	
<p>Natural Science - Quantitative (SQ) OR Natural Science - General (SG)</p>	4		
<p>Elective</p>	1		
<p> Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</p>			
<p>Term hours subtotal:</p>	14		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>GCU 102: Introduction to Human Geography (SB &amp; G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)</p>	4	C	<ul style="list-style-type: none"> <li>For a full list of Science and Society courses, go <a href="#">here</a>.</li> </ul>
<p>Science and Society Elective</p>	3	C	

Complete 3 courses:

9

Elective

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 61 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ GIS 270: Statistics for Geography and Planning	3	C	<ul style="list-style-type: none"><li>Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available <a href="#">here</a>.</li></ul>
Related Coursework	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU OR GIS OR GPH Upper Division Elective	3	C	<ul style="list-style-type: none"><li>Students interested in conducting supervised research should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in SGSUP is available <a href="#">here</a>.</li><li>For more information on the Science and Society requirement, go <a href="#">here</a>.</li><li>Students interested in pursuing an accelerated master's degree in <a href="#">geography</a> or <a href="#">urban and environmental planning</a> should initiate contact with <a href="#">graduate advising</a></li></ul>
Related Coursework	3	C	
Upper Division Science and Society Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS Upper Division Elective	3	C	<ul style="list-style-type: none"><li>Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li><li>Use Handshake to research <a href="#">employment opportunities</a>.</li></ul>
GPH Upper Division Elective OR GPH 484: Internship	3	C	
Related Coursework	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH Upper Division Elective OR GPH 484: Internship	3	C	<ul style="list-style-type: none"><li>Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available <a href="#">here</a> and <a href="#">here</a>.</li></ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Minimum

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	
GCU OR GIS OR GPH Upper Division Elective	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	5		
Term hours subtotal:		14	

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

##### Related Coursework

ASM OR GCU OR GIS OR GPH OR POS OR  
PUP OR SGS OR SOC OR SOS Elective

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map


### Geography, BS




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)



LAGCUBS



Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GIS 205:  Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Set up your <a href="#">Handshake</a> account, play <a href="#">me3@asu</a> and select your <a href="#">career interest area</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GCU 102: Introduction to Human Geography (SB & G) OR GIS 205:  Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li><a href="#">Mathematics Placement Assessment</a> score determines placement in mathematics course</li> </ul>
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

 GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	4	C
Elective	3	
Term hours subtotal:	7	



Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Science and Society Elective	3	C	<ul style="list-style-type: none"> <li>For a full list of Science and Society courses, go <a href="#">here</a>.</li> </ul>
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>Create your online professional presence on <a href="#">LinkedIn</a>.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 270: Statistics for Geography and Planning	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GCU OR GIS OR GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Visit <a href="#">Career and Professional Development Services</a> and schedule an appointment to speak with a career advisor for assistance with career planning and networking.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Students interested in continuing to graduate study following the completion of the bachelors program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the</li> </ul>
Elective	3		
Term hours subtotal:	6		

graduate programs offered through the School of Geographical Sciences and Urban Planning is available [here](#).

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
GIS Upper Division Elective	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		<ul style="list-style-type: none"> <li>Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available <a href="#">here</a> and <a href="#">here</a>.</li> </ul>
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU OR GIS OR GPH Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>For more information about the Science and Society requirement, go <a href="#">here</a>.</li> </ul>
Upper Division Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Related Area Course	3	C	<ul style="list-style-type: none"> <li>Use <a href="#">Handshake</a> to research employment opportunities.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		<ul style="list-style-type: none"> <li>Gather <a href="#">professional references</a></li> <li>Update and polish your <a href="#">resume</a></li> </ul>
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	

Elective	3
Term hours subtotal:	6
<b>Term 10 - B 117 - 120 Credit Hours</b>	
Upper Division Elective	3
Term hours subtotal:	3

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
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- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses
ASM OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Geography (Meteorology-Climatology), BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAGCUMBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. GPH 191 is also recommended.</li> <li>Set up your <a href="#">Handshake</a> account, <a href="#">play me3</a> and select your <a href="#">career area of interest</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Elective	1		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>GPH 213 is recommended for the Science and Society requirement. For a full list of Science and Society courses, go <a href="#">here</a>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Science and Society Elective	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)	4	C	<ul style="list-style-type: none"> <li>Students should meet with their academic advisor to discuss the requirements to obtain National Weather Service certification.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	

❗ PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C
Literacy and Critical Inquiry (L)	3	
❗ Complete First-Year Composition requirement.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
❗ PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
GIS 270: Statistics for Geography and Planning	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	15		

Term 5 60 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH 409: Synoptic Meteorology I	4	C	<ul style="list-style-type: none"> <li>GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)</li> <li>Students interested in completing an internship should start investigating internship opportunities. Information on internships is available <a href="#">here</a>.</li> <li>Students interested in conducting supervised research should initiate contact with faculty members who perform research in their content area of interest. More information is available <a href="#">here</a>.</li> <li>For more information on the Science and Society requirement, go <a href="#">here</a>.</li> <li>Students interested in pursuing an <a href="#">accelerated master's degree</a> in geography or urban and environmental planning should contact <a href="#">graduate advising</a></li> </ul>
GIS Upper Division Elective	3	C	
Upper Division Science and Society Elective	3	C	
Elective	4		
Term hours subtotal:	14		

Term 6 74 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH 410: Synoptic Meteorology II	4	C	<ul style="list-style-type: none"> <li>GPH 410 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course).</li> <li>GPH 412 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course).</li> <li>Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and</li> </ul>
★ GPH 412: Physical Meteorology	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available [here](#).

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH 474: Dynamic Meteorology I	3	C	<ul style="list-style-type: none"> <li>• GPH 474 is offered once every two years--during the Fall semester of even-numbered years (so it may be a Term 5 course)</li> <li>• Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available <a href="#">here</a> and <a href="#">here</a>.</li> <li>• Students should verify with their academic advisor that they will meet all requirements necessary to obtain National Weather Service certification after graduation.</li> </ul>
Upper Division Elective OR GCU 484: Internship OR GIS 484: Internship OR GPH 484: Internship	3		
Complete 3 courses:			
Elective	9		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH 475: Dynamic Meteorology II	3	C	<ul style="list-style-type: none"> <li>• GPH 475 is offered once every two years--during the Spring semester of odd-numbered years (so it may be a Term 6 course)</li> </ul>
★ GCU 496: Geographic Research Methods (L)	3	C	
Complete 2 courses:			
Upper Division Elective	7		
Elective	2		
Term hours subtotal:	15		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Journalism and Mass Communication, BA

School/College: Walter Cronkite School of Journalism and Mass Comm

Location:  
CSJMCBA











and

Geography

(Meteorology-Climatology),

BS

The College of Liberal Arts and Sciences  
LAGCUMBS

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students should take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
 MAT 170: Precalculus (MA)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
JMC 120: Studio Production	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		
Term 2 17 - 35 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GPH 111: Introduction to Physical Geography (SQ)	3	C	<ul style="list-style-type: none"> <li>Select your <b>career interest area</b> and play me3@ASU</li> </ul>
 GPH 112: Introduction to Physical Geography Lab (SQ)	1	C	
 JMC 201: News Reporting and Writing (L)	3	C	
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 18

Term 3 35 - 53 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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◆ JMC 301: Intermediate Reporting and Writing (L) 3 C

◆ JMC 305: Multimedia Journalism 3 C

◆ MAT 271: Calculus with Analytic Geometry II (MA) 4 C

◆ PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) 4 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

◆ Complete First-Year Composition requirement.

◆ Minimum 2.50 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.

Term hours subtotal: 18

Term 4 53 - 71 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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◆ MAT 272: Calculus with Analytic Geometry III (MA) 4 C

◆ PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) 4 C

JMC 345: Videography 3 C

JMC 366: Journalism Ethics and Diversity 3 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent). 4 C

AND  
 Global Awareness (G)

◆ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 18

Term 5 71 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ JMC 330: Television Reporting 3 C

GPH 212: Introduction to Meteorology (SQ) 3 C

GPH 314: Global Change (HU & G) 3

GPH 409: Synoptic Meteorology I 4 C

JMC 402: Mass Communication Law 3 C

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 6 87 - 103 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ JMC 484: Internship 3 Y

- Develop your professional online presence
- Develop your skills

- Students should consult with an academic adviser to determine a journalism path and appropriate course selections for JMC Advanced Skill courses.

- GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)
- GPH 314 meets the upper division science and society requirement
- Explore an internship

GPH 213: Climate and Weather (SG) OR Science and Society Elective	3	C
GPH 410: Synoptic Meteorology II	4	C
GPH 412: Physical Meteorology	3	C
Upper Division JMC Advanced Skills Course	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- GPH 410 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course)
- GPH 412 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course)
- Advanced Skills Course should be selected in consultation with your academic advisor
- The Science and Society course list is found [here](#).

Term 7 103 - 121 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 478: Cronkite News: Phoenix Bureau	3	C	<ul style="list-style-type: none"> <li>• GPH 474 is offered once every two years--during the Fall semester of even-numbered years (so it may be a Term 5 course)</li> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> </ul>
GIS 270: Statistics for Geography and Planning	3	C	
GPH 474: Dynamic Meteorology I	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
SOC 101: Introductory Sociology (SB) OR PSY 101: Introduction to Psychology (SB)	3		
U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 8 121 - 139 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GPH 475: Dynamic Meteorology II	3	C	<ul style="list-style-type: none"> <li>• GPH 475 is offered once every two years--during the Spring semester of odd-numbered years (so it may be a Term 6 course)</li> </ul>
★ JMC 473: The Business and Future of Journalism	3	C	
★ JMC OR MCO Upper Division Elective	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
GIS 205: Geographic Information Science I (CS)	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

- Advanced Skills course should be selected in consultation with academic advisor.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Philosophy	U.S. History	Advanced Skills Courses
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HON 171: The Human Event (L or HU)	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)		JMC 351: Photojournalism I
PHI 103: Principles of Sound Reasoning (L or HU)	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	JMC 412: Opinion Writing
PHI 105: Intro to Ethics (HU)	HST 334: African American History Since 1865 ((HU or SB) & C & H)	JMC 413: Advanced Editing
PHI 306: Applied Ethics (HU)	HST 337: American Indian History to 1900 ((HU or SB) & C & H)	JMC 414: Digital Graphic Design
	HST 338: American Indian History since 1900 ((HU or SB) & C & H)	JMC 421: Advanced Digital Storytelling
		JMC 430: Sports Marketing and Campaigns
		JMC 434: Advanced Bilingual Reporting
		JMC 437: Documentary Production
		JMC 440: Magazine Writing
		JMC 441: Narrative Writing and Reporting.
		JMC 451: Photojournalism II
		JMC 453: Reporting on Business and the Economy
		JMC 455: Digital Media Entrepreneurship
		JMC 457: Advanced Radio Reporting
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 470: Depth Reporting
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Los Angeles
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 479: Cronkite News: Washington Bureau
		JMC 480: Cronkite News: Phoenix Sports Bureau
		JMC 481: Cronkite News: Los Angeles Sports Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab
		JMC 487: Howard Center for Investigative Journalism

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 139  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### German, BA

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAGERBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required for all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level language courses. Students with previous experience in the language are required to take a language placement test.</li> <li>In term 1, students may opt to take GER 110, a 6 credit <b>German intensive language</b> course equivalent to GER 101 and GER 102.</li> <li>Engage in <b>German</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> </ul>
GER 101: Elementary German I (G)	4	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Start planning your <b>study abroad experience</b>. Learn about ASU Study Abroad faculty-directed summer program in <b>Regensburg, Germany</b> offered through the <b>School of International Letters and Cultures</b> and the <b>ASU Study Abroad Office</b>.</li> <li>Attend an ASU Study Abroad <b>Financing Your Study Abroad Program Workshop</b>.</li> <li>In term 2, students may opt to take GER 210, a 6 credit <b>German intensive language</b> course, equivalent to GER 201 and GER 202.</li> </ul>
GER 102: Elementary German II (G)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
GER 201: Intermediate German I (G)	4	C	<ul style="list-style-type: none"> <li>Explore your <b>career interest</b> areas.</li> <li>Learn about research opportunities through the ASU <b>Humanities Lab</b>.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		

Complete 2 courses: 6  
 Elective

◆ Complete Mathematics (MA) requirement.

Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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◆ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)

3

GER 202: Intermediate German II (G)

4

C

Literacy and Critical Inquiry (L)

3

Natural Science - Quantitative (SQ)

4

Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 14

- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
- Learn about national scholarships, fellowships, and research opportunities.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GER 312: Readings in German Culture (G)

3

C

GER 310: Advanced German Grammar and Composition I (G) OR  
 GER 311: German Conversation (G) OR GER 313: Advanced German Grammar and Composition II (G) OR GER 319: Business German (G)

3

C

Upper Division Literacy and Critical Inquiry (L)

3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

Elective

2

Term hours subtotal: 15

- Enroll in listed courses or in an ASU Study Abroad, School of International Letters and Cultures endorsed semester or academic year exchange program abroad in Germany at University of Heidelberg or University of Regensburg or University of Tuebingen.
- Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.
- Learn about internships, scholarships and awards for language majors.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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GER 310: Advanced German Grammar and Composition I (G) OR  
 GER 311: German Conversation (G) OR GER 313: Advanced German Grammar and Composition II (G) OR GER 319: Business German (G)

3

C

Complete 2 courses:

Upper Division German Elective

6

C

Social-Behavioral Sciences (SB)

3

Upper Division Elective OR GER 484: Internship

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.
- Use Handshake to research employment opportunities.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ GER 422: German Literature Survey, 1800-Today (L or HU)

3

C

★ Upper Division German Elective

3

C

Complete 3 courses:

Upper Division Elective

9

Term hours subtotal: 15

- Learn about ways to build your skills.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses: Upper Division German Elective	6	C
Upper Division Elective	3	
Complete 2 courses: Elective	6	
Term hours subtotal:	15	

- Attend an [ASU Career Services](#) workshop or Job Fair.

Hide Course List(s)/Track Group(s)

Upper Division German Elective
GER 310: Advanced German Grammar and Composition I (G)
GER 311: German Conversation (G)
GER 313: Advanced German Grammar and Composition II (G)
GER 319: Business German (G)
GER 394: Special Topics
GER 431: German Humor
GER 441: Fairy Tales (HU & G)
GER 445: The Holocaust in German-Mediated Memory
GER 446: Weimar-Era German Film
GER 447: German Modernism
GER 455: Berlin: Migration, Arts and Activism (G)
GER 492: Honors Directed Study
GER 493: Honors Thesis (L)
GER 494: Special Topics
GER 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Global Health, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASSHBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASB 100: Introduction to Global Health (SB & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ASB 191 satisfies this requirement.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR Global Health Elective in Related Areas	3-4	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASB 394: Statistics for Social Scientists OR ASM 201: Epidemics and Outbreaks OR ASM 494: Bayesian Statistics in Theory and Practice OR HCD 300: Biostatistics (CS) OR PBH 300: Biostatistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Develop your <b>skills</b>.</li> </ul>

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Natural Science - Quantitative (SQ) 4

Elective 3

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ Computer/Statistics/Quantitative Applications (CS) 3

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Elective 2

Term hours subtotal: 16

- Second language requirement must be completed by term 4.
- All global health majors are required to go on a study abroad program either the summer after term 4, or the summer after term 6. The six hours in term Summer 4 reflect the six hours that must be completed abroad through the School of Human Evolution and Social Change. Please see academic advisor for study abroad program options.
- Explore an **internship**.

Summer 4 60 - 66 Credit Hours	Hours	Minimum Grade	Notes
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SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) 6 C

Term hours subtotal: 6

Term 5 66 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Global Health Core Course 3 C

Literacy and Critical Inquiry (L) 3

Social-Behavioral Sciences (SB) 3

Complete 2 courses: 6

Upper Division Elective

Term hours subtotal: 15

- Develop your **professional online presence**.

Term 6 81 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Global Health Core Course 3 C

Global Health Elective in Related Areas 3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Complete 2 courses: 6

Upper Division Elective

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Research **employment opportunities**.
- Complete an in person or virtual **practice interview**.

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Global Health Core Course 3 C

Complete 3 courses:

- Study abroad requirement must be completed by term 7.



Upper Division Elective

9

Term hours subtotal: 12

- Gather professional references.
- Apply for full-time career opportunities.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Practicum	3	C	
Global Health Elective in Related Areas	3	C	
Upper Division Elective OR ASB 484: Internship Elective	3	C	
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Global Health Core	Global Health Elective in Related Areas	Global Health Elective in Related Areas continued
AFR 383: Blacks in Science, Medicine and Public Health	ABS 394: Food and Human Health	BIO 494: Obesity:Physiology to pathophysiology to treatment
ASB 300: Food and Culture ((L or SB) & C)	ASB 102: Introduction to Cultural Anthropology (SB & G)	BIO 494: Solutions in Vaccine Design for Global Health
ASB 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H)	ASB 202: Immigration and Ethnic Relations in the U.S. (SB & C)	ENG 203: Introduction to Health Humanities
ASB 305: Poverty and Global Health ((L or SB) & G)	ASB 210: Human Sexuality: Anthropological Perspectives (SB & G)	ENG 394: Interdisciplinary Health Humanities
ASB 316: Money and Culture (L or SB)	ASB 211: Women in Other Cultures ((HU or SB) & G)	HCD 201: Economics for Health Majors
ASB 327: Disaster! ((L or SB) & C)	ASB 220: The Expressive Culture of Latin America and the Caribbean: A Transborder Perspective ((L or HU or SB) & C)	HCR 230: Culture and Health (C & G)
ASB 355: Traditional Medicine and Healing (HU or SB)	ASB 250: Introduction to Evolution and Medicine (SB & G)	HSC 310: Health Communication
ASB 357: Society, Drugs and Health (SB & G)	ASB 272: Environmental Justice (SB)	HST 312: History of Women in Science and Medicine (HU or SB)
ASB 370: Ethics of Eating (L or SB) or SOS 370: Ethics of Eating (L or SB)	ASB 275: Culture, Language and Learning (SB & C)	IDS 355: Peace Corps Seminar (G)
ASB 376: Global Health Policy	ASB 294: Building Babies	JUS 350: Immigration and Justice (SB & C)
ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) or TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)	ASB 294: Identity, Culture and Conflict	JUS 352: The Global Politics of Human Rights (SB & G)
ASB 457: Global Mental Health ((L or SB) & G)	ASB 322: Peoples of Latin America ((L or SB) & G)	JUS 370: Cultural Diversity and Justice ((L or HU) & C)
ASB 462: Medical Anthropology: Culture and Health (SB & C)	ASB 325: Peoples of Southeast Asia (G)	JUS 374: The Holocaust, Genocide, and Human Rights
ASM 345: Disease and Human Evolution	ASB 343: Latinas/os and the Environment	JUS 394: Health Disparities & Inequalities
ASM 401: Health and Human Biology	ASB 345: Culture and Society Transformation	JUS 394: Human Rights
ASM 403: Evolutionary Medicine and Global Health	ASB 348: The Borders of Language (L)	MIC 498: HIV/AIDS Prevention Education in Africa
	ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)	NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability
		POS 300: Contemporary Global Controversies (SB & G)

ASM 456: Infectious Disease and Human Evolution	ASB 362: People and Plants	POS 367: World Politics and Global Inequalities (G)
HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)	ASB 371: Language Hegemony and Culture	POS 368: Ethics and Human Rights
HST 304: Black Death: Pandemic Disease in the Medieval World	ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G)	POS 480: Global Justice (G)
MIC 314: HIV/AIDS: Science, Behavior, and Society	ASB 380: Language, Culture and Gender (SB)	PSY 394: Child Development & Global Health
SGS 340: Violence, Conflict and Human Rights	ASB 363: From Cells to Society: Understanding Complexity	SGS 303: Global Trends (SB & G)
SGS 350: Economic Development and Globalization	ASB 408: Advanced Evolutionary Medicine	SGS 304: Foundations of Cross-Cultural Awareness
SOC 424: Women and Health (SB)	ASB 463: Political Ecology of the Border (SB & G)	SGS 341: Humanitarian Crisis and International Intervention
SOC 427: Sociology of Health and Illness (SB)	ASB 466: Peoples and Cultures of Africa (SB & G)	SGS 360: Cultural Aspects of Globalization
SOC 448: Epidemics and Society (SB & G)	ASB 494: Applied Epidemiology	SGS 394: Global Problems and Debates
TCL 323: Latina/o Health Issues (SB & C)	ASB 494: Ethnography of Schooling in the Borderlands	SGS 394: Peace/Conflict/Human Rights
TCL 326: Health of Chicanas and Latinas (SB & C)	ASB 494: Facing Immigration	SGS 394: Politics of Global Justice
TCL 327: Health and Migration (SB)	ASB 448: Maternal and Child Health	SOC 352: Social Change (SB & G & H)
TCL 410: Race, Medicine, and the Body (L) or SOC 410: Race, Medicine, and the Body (L)	ASB 494: Reproductive Ecology	SOC 418: Aging and the Life Course (SB & H)
TCL 447: Gender, Culture, and Development ((L or SB) & G) or SGS 454: Gender, Culture, and Development ((L or SB) & G) or SOS 447: Gender, Culture, and Development ((L or SB) & G) or WST 447: Gender, Culture, and Development ((L or SB) & G)	ASM 104: Bones, Stones, and Human Evolution (SB or SG)	SOC 426: Social Inequality (SB)
WST 360: Women as Healers (SB & G)	ASM 201: Epidemics and Outbreaks	SOC 448: Epidemics and Society (SB & G)
WST 365: Women and International Health (G)	ASM 246: Human Origins (SB)	WST 394: Fast Food Nation
WST 380: Race, Gender, and Class (SB & C) or AMS 380: Race, Gender, and Class (SB & C) or ETH 380: Race, Gender, and Class (SB & C)	ASM 275: Forensic Anthropology (SB or SG)	WST 460: Women and the Body (SB & C)
WST 440: Politics of Women's Health (SB & C)	ASM 342: Evolution of Human Behavior	WST 471: Women's International Human Rights
WST 444: Gender, Health, and Bodies (SB)	ASM 403: Evolutionary Medicine and Global Health	
<b>Global Health Practicum</b>	ASM 494: Evolution and Mental Disorders	
ASB 395: Research Methods (SB & G)		
ASB 452: Community Partnerships for Global Health (SB) or SSH 402: Community Partnerships for Global Health (SB)		

ASB 455: Practicum for Social Sciences (SB)

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ASB 484: Internship

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ASB 494: Access, Equity and Inclusion in  
Higher Education

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ASB 494: Research Practicum II

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ASB 499: Individualized Instruction

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ASM 414: Environmental Health (SB)

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POS 464: Border Cities: Action Research on  
Globalization (SB & G)

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TCL 321: Transborder Community  
Development and Health or SOC 320:  
Transborder Community Development and  
Health

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Global Health, BA

School/College: [The College of Liberal Arts and Sciences](#)


Location: [Online, ASU Local@Los Angeles](#)

LASSHBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASB 100: Introduction to Global Health (SB & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM			<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
 104: Bones, Stones, and Human Evolution (SB or SG) OR Global Health Elective in Related Areas	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6-7		

Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following:			<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only those students with no experience with the language may take a 101-level course. All other students are required to take a language placement exam, regardless of prior credit earned.</li> <li>Students who choose to complete ASM 104 in term 2-A only need two elective credit hours in term 5-B.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Term hours subtotal:	6		

Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> </ul>
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

- Join a **student club** or professional organization.

Term hours subtotal: 7

Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

- Develop your **skills**.

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)

3

Term hours subtotal: 7

Term 3 - B 33 - 40 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

Literacy and Critical Inquiry (L)

3

❖ Complete First-Year Composition requirement.

❖ Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 40 - 46 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ ASB 394: Statistics for Social Scientists OR ASM 201: Epidemics and Outbreaks OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)

3

C

- Explore an **internship**.

Social-Behavioral Sciences (SB)

3

Term hours subtotal: 6

Term 4 - B 46 - 53 Credit Hours	Hours	Minimum Grade	Notes
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Humanities, Arts and Design (HU) AND Historical Awareness (H)

3

Natural Science - Quantitative (SQ)

4

Term hours subtotal: 7

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)

6

C

- All global health online majors are strongly encouraged to go on a summer study abroad program to fulfill major requirements. The six hours in term Term 5-A reflect the six hours that must be completed abroad, or with two additional Global Health core courses through the School of Human Evolution and Social Change. Please contact your academic advisor for travel dates and options, or to inquire about petitioning for a substitution.
- For more information about planning and paying for your study abroad program, please go [here](#).

Term hours subtotal: 6

Term 5 - B 59 - 66 Credit Hours	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Elective	3-2
Term hours subtotal:	7-6

- Students who choose to complete ASM 104 in term 2-A need only complete two elective hours in term 5-B.
- Develop your **professional online presence**.

Term 6 - A 66 - 72 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

- Complete an in person or virtual **practice interview**.

Term 7 - A 78 - 84 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Elective	6		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- Research **employment opportunities**.

Term 8 - A 90 - 96 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- Secure a **part-time job** or **volunteer experience**.

Term 8 - B 96 - 102 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Practicum	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Global Health Elective in Related Areas	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- Gather **professional references**.

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		

- Apply for **full-time career opportunities**.

Term hours subtotal: 6

Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Global Health Elective in Related Areas	3	C	• Study abroad requirement should be completed by Term 10-A.
Upper Division Elective	3		
Term hours subtotal:		6	

Hide Course List(s)/Track Group(s)

Global Health Core	Global Health Elective in Related Areas	Global Health Practicum
ASB 300: Food and Culture ((L or SB) & C)	ASB 102: Introduction to Cultural Anthropology (SB & G)	ASB 395: Research Methods (SB & G)
ASB 301: Global History of Health (SB & G & H)	ASB 210: Human Sexuality: Anthropological Perspectives (SB & G)	ASB 455: Practicum for Social Sciences (SB)
ASB 305: Poverty and Global Health ((L or SB) & G)	ASB 250: Introduction to Evolution and Medicine (SB & G)	ASB 484: Internship
ASB 316: Money and Culture (L or SB)	ASB 294: Building Babies	ASM 414: Environmental Health (SB)
ASB 327: Disaster! ((L or SB) & C)	ASB 294: Identity, Culture and Conflict	
ASB 357: Society, Drugs and Health (SB & G)	ASB 322: Peoples of Latin America ((L or SB) & G)	
ASB 370: Ethics of Eating (L or SB)	ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)	
ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)	ASB 362: People and Plants	
ASB 462: Medical Anthropology: Culture and Health (SB & C)	ASB 380: Language, Culture and Gender (SB)	
ASM 403: Evolutionary Medicine and Global Health	ASB 363: From Cells to Society: Understanding Complexity	
ASM 345: Disease and Human Evolution	ASB 408: Advanced Evolutionary Medicine	
SGS 350: Economic Development and Globalization	ASB 448: Maternal and Child Health	
SOC 424: Women and Health (SB)	ASM 104: Bones, Stones, and Human Evolution (SB or SG)	
SOC 427: Sociology of Health and Illness (SB)	ASM 201: Epidemics and Outbreaks	
WST 365: Women and International Health (G)	ASM 246: Human Origins (SB)	
WST 380: Race, Gender, and Class (SB & C)	ASM 275: Forensic Anthropology (SB or SG)	
	HCR 230: Culture and Health (C & G)	
	HSC 310: Health Communication	
	JUS 350: Immigration and Justice (SB & C)	
	JUS 374: The Holocaust, Genocide, and Human Rights	

NTR 353: Perspectives on the Western Diet:  
Food, Health and Sustainability

POS 300: Contemporary Global Controversies  
(SB & G)

POS 368: Ethics and Human Rights

SGS 303: Global Trends (SB & G)

SGS 304: Foundations of Cross-Cultural  
Awareness

SGS 394: Global Problems and Debates

SOC 352: Social Change (SB & G & H)

SOC 418: Aging and the Life Course (SB &  
H)

WST 394: Fast Food Nation

WST 460: Women and the Body (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map




### Global Studies, BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASGSBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SGS 101: Thinking Globally: The Individual and Authority (SB & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required for all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>This major requires an international experience. Students must complete an approved study abroad experience or an approved international internship.</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SGS 204: Professional Global Career Development	3	C	<ul style="list-style-type: none"> <li>Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>Meet with a study abroad professional and complete the <b>Study Abroad 101 workshop</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SGS Elective	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Develop your <b>career skills</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
Natural Science - Quantitative (SQ)	4
❗ Complete First-Year Composition requirement.	
❗ Complete Mathematics (MA) requirement.	
Term hours subtotal:	14

Term 4 44 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ SGS Elective	3	C	<ul style="list-style-type: none"> <li>• Explore an <a href="#">internship</a>.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS 305: Empirical Political Inquiry (SB)	3	C	<ul style="list-style-type: none"> <li>• The global studies major requires all students to complete an international experience. The experience must be approved by the School of Politics and Global Studies' internship coordinator before the experience is completed. Meet with our <a href="#">internship coordinator</a> to develop a plan to fulfill this requirement.</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> </ul>
Complete 2 courses: Related Area Course	6	C	
SGS Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS 401: Political Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
★ SGS Upper Division Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Upper Division Elective	6		
Elective	2		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS 484: Internship OR SGS 484: Global Experience	3	C	

SGS Upper Division Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	15	

- Apply for full-time career opportunities.

- All Global Studies majors must complete six major elective courses. Nine hours of the major electives must be upper division.
- Students must earn a "C" or better in the courses.
- Students must complete 12 credit hours in courses drawn from related areas. Courses from the subjects listed below may be used. Only upper-division foreign language courses offered by the School of International Letters and Cultures apply to the related area requirement. Students must earn a "C" or better in the related area courses.

Hide Course List(s)/Track Group(s)

Related Area Courses
AFR OR ASB OR ASM OR BIO OR COM OR ECN OR GCU OR GPH OR HST OR JUS OR PAF OR POR OR POS OR PUP OR REL OR SOS OR SPA OR WST Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Global Studies, BA



School/College: [The College of Liberal Arts and Sciences](#)


Location: [Online, ASU Local@Los Angeles](#)

LASGSBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SGS 101: Thinking Globally: The Individual and Authority (SB & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar is required for all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>This major requires an international experience. Students must complete an approved study abroad experience or an approved international internship.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SGS 204: Professional Global Career Development	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * French, Italian, German, Spanish and Vietnamese are available online.	4	C	
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li><b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or	4	C	

equivalent), including American Sign Language IV;  
 \* French, Italian, German, Spanish and Vietnamese are available  
 online.

◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 7

Term 3 - A 27 - 34 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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◆ SGS Elective

3 C

• Develop your **career skills**.

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or  
 equivalent), including American Sign Language IV;  
 \* French, Italian, German, Spanish and Vietnamese are available  
 online.

4 C

Term hours subtotal: 7

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or  
 equivalent), including American Sign Language IV;  
 \* French, Italian, German, Spanish and Vietnamese are available  
 online.

4 C

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S.  
 (C)

3

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 41 - 47 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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◆ SGS Elective

3 C

• View **career webinars** and meet with a  
 career counselor to discuss professional  
 goals.

Literacy and Critical Inquiry (L)

3

Term hours subtotal: 6

Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
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Natural Science - Quantitative (SQ)

4

• Explore **an internship**.

Elective

2

Term hours subtotal: 6

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ SGS 305: Empirical Political Inquiry (SB)

3 C

• The global studies major requires all students to  
 complete an international experience. The  
 experience must be approved by the School of  
 Politics and Global Studies' internship  
 coordinator before the experience is completed.  
 Meet with our **internship coordinator** to develop  
 a plan to fulfill this requirement.  
 • Build your professional connections -- join the  
**ASU Mentor Network**.

SGS Elective

3 C

Term hours subtotal: 6

Term 5 - B 59 - 65 Credit Hours	Hours	Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - A 65 - 71 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS 401: Political Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> </ul>
Related Area Course	3	C	
Term hours subtotal:	6		

Term 6 - B 71 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Related Area Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 77 - 83 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS Upper Division Elective	3	C	
Related Area Course	3	C	
Term hours subtotal:	6		

Term 7 - B 83 - 90 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SGS Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>Gather <b>professional references</b>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ SGS 484: Internship OR SGS 484: Global Experience	3	C	• Apply for full-time career opportunities.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ Complete 2 courses: ★ Upper Division Elective	6		
Term hours subtotal:	6		

- Students must complete 12 credit hours in courses drawn from related areas. Courses from the following subjects may be used. Only upper-division foreign language courses offered by the School of International Letters and Cultures apply to the related area requirement. Students must earn a "C" grade or better in the related area courses.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR OR ASB OR ASM OR BIO OR COM  
OR ECN OR GCU OR GPH OR HST OR JUS  
OR PAF OR POR OR POS OR PUP OR REL  
OR SOS OR SPA OR WST Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)



- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map







### History, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAHISBA

Only the standalone BA or the accelerated History BA/MA combination are available to ASU Online students at this time.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST Survey Course AND Historical Awareness (H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
Related Area Course	3	C	
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 130: The Historian's Craft	3	C	<ul style="list-style-type: none"> <li>Students who have completed 30 credit hours and ENG 102 may take HST 330 in place of HST 130.</li> <li><a href="#">ASU Language Placement and Testing</a>: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> <li>If interested in law school, review the <a href="#">Pre-Law at ASU</a> website.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.25 GPA in HST.			
Term hours subtotal:	14		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>Many General Studies requirements can overlap with major requirements, leaving</li> </ul>

Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Computer/Statistics/Quantitative Applications (CS)	3	
Humanities, Arts and Design (HU)	3	
Literacy and Critical Inquiry (L)	3	
◆ Complete First-Year Composition requirement.		
◆ Complete Mathematics (MA) requirement.		
Maintain 2.25 GPA in HST.		
Term hours subtotal:	16	

more room for electives. In particular, many history courses satisfy HU and SB General Studies requirements. Consult an academic advisor to select the best courses for your personal plan of study.

- Explore opportunities to **study abroad**.

Term 4 46 - 60 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ HST Survey Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	14		

- Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if G requirement has not already been satisfied through other coursework.
- Visit **Career and Professional Development Services** and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, **make an appointment** with the pre-law advisor.

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Comparative History Course	3	C	
HST 304: Studies in European History	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	16		

- The sequence of upper-division history courses shown here is a suggested one. Except where prerequisites dictate the order, consult an academic advisor to determine the best sequence of courses for your personal plan of study.
- HST 304 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.
- Choosing a Humanities (HU) course that also fulfills Cultural Diversity in the United States (C) is recommended.
- Consider participating in an **Undergraduate Research Experience** through the School of Historical, Philosophical and Religious Studies or a research opportunity in the **Humanities Lab**.
- If planning on law school, prepare to take the **LSAT**.

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division History in the Wild Course	3	C	
HST 303: Studies in Asian History OR HST 305: Studies in Latin American History OR HST 307: Studies in African History (H)	3	C	

- HST 303, 305, and 307 are variable topics courses. Some topics carry one or more General Studies designations. Check the

Upper Division Related Area Course	3	C
Upper Division Elective OR HST 484: Internship	3	
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Maintain 2.25 GPA in HST.		
Term hours subtotal:	15	

- class schedule to confirm any General Studies designations for the specific course topic.
- Participate in an **internship** to gain valuable career experience and contacts. For help exploring internship **opportunities related to your major**, meet with an academic advisor.
  - Explore **graduate school** opportunities.

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 495: Methods of Historical Inquiry (L)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li> </ul>
Upper Division Related Area Course	3	C	
HST Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 306: Studies in United States History	3	C	<ul style="list-style-type: none"> <li>• HST 306 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.</li> <li>• Take advantage of mock interview opportunities and assistance with writing <b>resumes and cover letters</b>.</li> <li>• Apply for <b>career opportunities</b>.</li> </ul>
HST Upper Division Elective	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Elective	2		
★ Maintain 2.25 GPA in HST.			
Term hours subtotal:	14		

- HST 302-307 are variable topics courses. Students may take these courses for credit multiple times, so long as the topics are different. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.
- All students are required to take one course from HST 304 and HST 306, plus one course chosen from HST 303, HST 305, or HST 307. Students may select any topic within these course numbers for this requirement. However, for the Comparative History and History in the Wild requirements, students must choose only from the specific topics shown in the Comparative History and History in the Wild lists below. Any topic under HST 302 will count as a Comparative History course. Students must complete 33 total credit hours in history (HST), so any variable topics courses taken for Comparative History and History in the Wild will be in addition to the standard requirement for HST 304, HST 306, and (HST 303, 305, or 307).
- Students must complete 12 credits of courses in Related Areas, at least six of which must be upper-division.

Hide Course List(s)/Track Group(s)

HST Survey Courses	Comparative History	History in the Wild
HST 100: Global History to 1500 (HU & H & G)	HST 301: Global History of Health (SB & G & H)	HST 302: Envisioning Peace

HST 101: Global History Since 1500 (HU & H & G)	HST 302: Studies in History	HST 306: Historic Preservation in the U.S.
HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H)	HST 303: Empires in Asia	HST 306: Landscape, Place and Memory in American History
HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H)	HST 303: WWII in Asia: Cultures of War	HST 306: Monuments and Memory
HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H)	HST 304: Witchcraft and Christianity in the Atlantic World	HST 306: U.S. Urban History
HST 106: Asian Civilizations ((HU or SB) & G & H)	HST 309: Exploration and Empire ((L or HU) & H)	HST 414: Political History and Leadership
HST 108: Introduction to Japan (SB & G & H)	HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H)	HST 485: History in the Wild
HST 109: United States to 1865 ((HU or SB) & H)	HST 357: Historical Perspectives on Philosophy and Religion	
HST 110: United States Since 1865 (SB & H)	HST 404: Conquest and Encounters in Colonial Latin America (L & G)	
HST 111: Introduction to Asia (HU & H & G)	HST 435: The Russian Empire (SB & H)	
	HST 456: The Vietnam War (SB & G & H)	
Related Area courses	Related Area courses continued	Related Area courses continued
AFR OR AIS OR APA OR APH OR ARS OR ASB OR ASM OR ECN OR GCU OR HPS OR HUL OR JUS OR PHI OR POS OR REL OR SGS OR SOC OR TCL OR WST Elective	JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)	THE 320: History of the Theatre I (HU & H)
ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)	JPN 333: Japanese Civilization from the Ice Age to Last Thursday	THE 321: History of the Theatre II (HU & H)
ARB 335: Arabic Culture and Islam (G)	JPN 414: Introduction to Classical Japanese	THE 322: Theatre History and Culture (HU & H)
ARB 336: Introduction to the Qur'an (G)	JPN 415: Advanced Classical Japanese	THE 421: Shakespeare: Stage and Film (L or HU)
ARB 337: Hadith and Prophetic Tradition (HU & H & G)	JPN 445: Readings in Modern Japanese Letters and Culture	THE 425: Chekhov and Russian Drama (L or HU)
ARB 341: Quran Text and Women (HU & H)	JST Elective (not from JST 131, 132, 231, or 232)	THE 430: History of Fashion I (HU)
ARB 351: Classical Arabic Literature (HU & G)	KOR 250: Korean Culture and Society (HU & G)	
ARB 352: Modern Arabic Literature in Translation (HU & G)	KOR 321: Modern Korean Literature (HU) or SLC 321: Modern Korean Literature (HU)	
BIO 316: History of Biology: Conflicts and Controversies (H)	KOR 347: Korean Film and Literature (HU)	
BIO 318: History of Medicine (HU & H)	KOR 350: Women of Korea (H)	
CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)	KOR 375: Intercultural Communication in Korea or SLC 375: Intercultural Communication in Korea	
CHI 321: Chinese Literature (HU)	KOR 415: Korean Popular Culture (HU & G) or SLC 415: Korean Popular Culture (HU & G)	
CHI 322: Chinese Literature (HU & G)	KOR 457: Premodern Korea in a Global Context (HU) or SLC 457: Premodern Korea in a Global Context (HU)	
CHI 345: Chinese Film and Civilization		
CHI 348: Pathways into Chinese Culture		

CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)	LAT 222: Survey of Roman Literature (HU) or SLC 222: Survey of Roman Literature (HU)
CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)	LAT 421: Roman Literature (HU)
CHI 470: Modern Chinese Literature and Culture	MCO 418: History of Mass Communication (SB & H)
ENG Elective (not from ENG 101-197)	MUS 354: Popular Music (HU)
FRE 305: Readings in French Literature (G)	MUS 355: American Music (HU & C & H)
FRE 321: French Cultural Masterpieces I ((L or HU) & H)	MUS 356: Broadway and the American Musical (HU)
FRE 322: French Cultural Masterpieces II (L or HU)	MUS 362: Rap Music and Hip Hop Culture (HU & C)
FRE 414: French and Italian Popular Culture ((L or HU) & G) or ITA 414: French and Italian Popular Culture ((L or HU) & G) or SLC 414: French and Italian Popular Culture ((L or HU) & G)	MUS 371: World Music (HU & G)
FRE 415: French Civilization I (HU)	MUS 410: History of Women in Music (HU & C & H)
FRE 416: French Civilization II (HU & G)	POR 472: Luso-Brazilian Civilization (HU & G)
FRE 453: Theater of the 19th Century (HU)	PSY 414: History of Psychology (L or SB)
FRE 461: Modern Narrative (HU)	PUP 412: History of the City ((L or HU) & H)
GER 315: Germanic Mythology (HU & G)	RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU)
GER 416: German Civilization (HU & H & G)	RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G)
GER 421: German Literature Survey, 800-1800 (HU)	RUS 421: Pushkin (L or HU)
GER 422: German Literature Survey, 1800-Today (L or HU)	RUS 425: Chekhov and Russian Drama (L or HU)
GER 431: German Humor	RUS 430: Russian Short Story (L or HU)
GER 441: Fairy Tales (HU & G) or SLC 441: Fairy Tales (HU & G)	SLC 123: Gods and Monsters: Comparative Mythology (HU & G)
GRK 142: Ancient Greek Civilization (HU & H) or SLC 142: Ancient Greek Civilization (HU & H)	SLC 141: Russian Civilization: From Tsars to Putin ((L or HU) & G & H) or RUS 141: Russian Civilization: From Tsars to Putin ((L or HU) & G & H)
GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU)	SLC 144: The Ancient Mediterranean
GRK 301: Ancient Greek Literature I (HU)	SLC 221: Survey of Ancient Greek Literature (HU)
GRK 302: Ancient Greek Literature II (HU)	SLC 340: Approaches to International Cinema (HU & G) or FMS 341: Approaches to International Cinema (HU & G)
GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and	SLC 344: Classics and Comics (HU) or GRK 344: Classics and Comics (HU) or LAT 344: Classics and Comics (HU)
	SLC 425: Globalization: From Colonialism to Climate Change (HU & G)

Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)	SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (L or HU) or RUS 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (L or HU)
HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)	SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) or ROM 442: Dracula and Vampire Lore ((L or HU) & G & H)
HEB 348: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)	SLV 440: History of Slavic Languages (SB)
HEB 375: Contemporary Culture of Israel (HU & G)	SPA 325: Introduction to Hispanic Literature (HU)
HON 171: The Human Event (L or HU)	SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)
HON 272: The Human Event ((L or HU) & H)	SPA 426: Literature and Society in Modern Spain (HU)
HON 370: History of Ideas	SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)
HON 378: Culture and Society in England, Ireland, and Scotland (HU & H & G)	SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)
HON 379: Romantics, Victorians, and Moderns (HU & G)	SPA 429: Writing Mexico: Major Texts ((L or HU) & G)
HON 380: Aesthetics and Society (HU)	SPA 434: Drama of the Golden Age
ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H)	SPA 456: 20th-Century Spanish American Fiction
ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)	SPA 464: JaitĀn Works in Chicano/a Literature ((HU or SB) & C)
ITA 420: Italian Cinema (L & G)	SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)
	SPA 472: Latin American Society: Five Case Studies (HU & H & G)
	SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)
	SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)
	SPA 486: Chicano/a Novel: Āltima, Rafa y Lala
	SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major (HST) must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### History, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LAHISBA




Only the standalone BA or the accelerated History BA/MA combination are available to ASU Online students at this time.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required of all first-year students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Maintain 2.25 GPA in HST.			
Term hours subtotal:	7		




Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Many General Studies requirements can overlap with major courses, leaving more room for electives. In particular, many history courses satisfy HU and SB General Studies requirements. Consult an academic advisor to select the best courses for your personal plan of study.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		


Term 2 - A 13 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

	Minimum
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Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Grade	Notes
 <b>HST 130: The Historian's Craft</b>	3	C	<ul style="list-style-type: none"> <li>• Transfer students who have completed 30 credit hours and ENG 102 may take HST 330 in place of HST 130.</li> <li>• If interested in law school, review the <a href="#">Pre-Law at ASU</a> website.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.25 GPA in HST.			
Term hours subtotal:	7		

Term 3 - A 27 - 34 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>• Choosing a Humanities, Arts and Design (HU) course that also fulfills the Global Awareness (G) requirement is recommended if these requirements have not already been satisfied through major courses.</li> </ul>
<b>Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)</b>	3		
Term hours subtotal:	7		

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<b>Related Area Course</b>	3	C	<ul style="list-style-type: none"> <li>• Explore opportunities to <a href="#">study abroad</a>. Online students are eligible and encouraged to participate!</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 41 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		<ul style="list-style-type: none"> <li>• Explore the <a href="#">Career and Professional Development Services</a> website and arrange a <a href="#">virtual advising</a> session with a career counselor for assistance with career planning and networking.</li> <li>• If interested in law school, <a href="#">make an appointment</a> with the pre-law advisor.</li> </ul>
Elective	2		
Term hours subtotal:	6		

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 <b>Upper Division Comparative History Course</b>	3	C	<ul style="list-style-type: none"> <li>• The sequence of upper-division history courses shown here is a suggested one. Except where prerequisites dictate the order, students</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Maintain 2.25 GPA in HST.

Term hours subtotal: 6

should consult an academic advisor to determine the best sequence of courses for their personal plan of study.

Term 5 - B 59 - 65 Credit Hours	Hours	Minimum Grade	Notes
HST 304: Studies in European History	3	C	<ul style="list-style-type: none"> <li>HST 304 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.</li> <li>Choosing a Social-Behavioral Sciences (SB) course that also fulfills the Cultural Diversity (C) requirement is recommended if these requirements have not already been satisfied.</li> <li>Consider participating in an <a href="#">Undergraduate Research Experience</a> through the School of Historical, Philosophical and Religious Studies.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 6 - A 65 - 72 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HST 303: Studies in Asian History	3	C	<ul style="list-style-type: none"> <li>HST 303 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	7		

Term 6 - B 72 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HST 485: History in the Wild	3	C	<ul style="list-style-type: none"> <li>Consider participating in an <a href="#">internship</a> to gain valuable career experience and contacts. For help exploring internship <a href="#">opportunities related to your major</a>, contact an academic advisor.</li> </ul>
Related Area Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 7 - A 78 - 84 Credit Hours	Hours	Minimum Grade	Notes
HST Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>If planning on law school, prepare to take the <a href="#">LSAT</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HST 495: Methods of Historical Inquiry (L)	3	C	
Elective	3		
Maintain 2.25 GPA in HST.			
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Related Area Course	3	C
Elective	3	
Term hours subtotal:		6

- Explore [graduate school](#) opportunities.

Term 8 - B 96 - 102 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HST 306: Studies in United States History	3	C
Upper Division Elective	3	
Maintain 2.25 GPA in HST.		
Term hours subtotal:		6

- HST 306 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.
- View career [webinars](#) offered by Career and Professional Development Services.

Term 9 - A 102 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ HST Upper Division Elective	3	C
Upper Division Related Area Course	3	C
Maintain 2.25 GPA in HST.		
Term hours subtotal:		6

- Use Handshake to research [employment opportunities](#).

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3	
Elective	3	
Term hours subtotal:		6

- Take advantage of mock interview opportunities and assistance with writing [resumes and cover letters](#).

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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Complete 2 courses: Upper Division Elective	6	
★ Maintain 2.25 GPA in HST.		
Term hours subtotal:		6

- Apply for [career opportunities](#).

- HST 302-306 are variable topics courses. Students may take these courses for credit multiple times, so long as the topics are different. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.
- All students are required to take one course from HST 303, HST 304 and HST 306. Students may select any topic within these course numbers for this requirement. However, for the Comparative History requirement, students must choose only from the specific topics shown in the Comparative History list below. All topics under HST 302 fulfill the Comparative History requirement. Students must complete 33 total credit hours in history (HST), so any variable topics course taken for Comparative History will be in addition to the standard requirement for HST 303, HST 304 and HST 306.
- Students must complete 12 credits of Related Area courses, at least six of which must be upper-division.

Hide Course List(s)/Track Group(s)

Comparative History	Related Area
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HST 301: Global History of Health (SB & G & H)	AFR OR ASB OR ASM OR ECN OR GCU OR JUS OR PHI OR POS OR REL OR SGS OR SOC OR TCL OR WST Elective
HST 302: Studies in History	
HST 303: Empires in Asia	ARB 335: Arabic Culture and Islam (G)
HST 304: Witchcraft and Christianity in the Atlantic World	ARB 336: Introduction to the Qur'an (G)
HST 309: Exploration and Empire ((L or HU) & H)	BIO 316: History of Biology: Conflicts and Controversies (H)
HST 456: The Vietnam War (SB & G & H)	BIO 318: History of Medicine (HU & H)
	ENG Elective (not from ENG 101-197)
	GER 441: Fairy Tales (HU & G) or SLC 441: Fairy Tales (HU & G)
	GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU)
	MCO 418: History of Mass Communication (SB & H)
	MUS 354: Popular Music (HU)
	MUS 355: American Music (HU & C & H)
	MUS 356: Broadway and the American Musical (HU)
	MUS 362: Rap Music and Hip Hop Culture (HU & C)
	MUS 371: World Music (HU & G)
	MUS 410: History of Women in Music (HU & C & H)
	SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) or ROM 442: Dracula and Vampire Lore ((L or HU) & G & H)
	SPA 325: Introduction to Hispanic Literature (HU)
	SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)
	SPA 426: Literature and Society in Modern Spain (HU)
	SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)
	SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)
	SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

SPA 464: Jaitn Works in Chicano/a  
Literature ((HU or SB) & C)

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SPA 471: Civilization of the  
Indohispanomexicano Southwest ((L or HU)  
& C)

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SPA 472: Latin American Society: Five Case  
Studies (HU & H & G)

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SPA 473: Old and New Spaniards: Culture and  
Civilization of Spain ((HU or SB) & G)

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SPA 486: Chicano/a Novel: *Áltimea*, *Rafa* y  
*Lala*

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SPA 487: Chicano/a Drama: *Pachucos*,  
*Vendidos* y *Cerezitas* (C)

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THE 322: Theatre History and Culture (HU &  
H)

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THE 421: Shakespeare: Stage and Film (L or  
HU)

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THE 430: History of Fashion I (HU)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major (HST) must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map

### History (Secondary Education), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAHISSEBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Minimum 2.25 GPA in HST.			
Term hours subtotal:	14		
Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	<ul style="list-style-type: none"> <li>Students must complete HST 100, HST 101, HST 109 and HST 110 prior to term 5. These courses may be taken in any order.</li> <li>Students who have completed 30 credit hours and ENG 102 may take HST 330 in place of HST 130.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
HST 130: The Historian's Craft	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	17		
Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes



<p>⚠ HST 100: Global History to 1500 (HU &amp; H &amp; G) OR HST 101: Global History Since 1500 (HU &amp; H &amp; G) OR HST 109: United States to 1865 ((HU or SB) &amp; H) OR HST 110: United States Since 1865 (SB &amp; H)</p>	3	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C
Elective	3	
⚠ Complete First-Year Composition requirement.		
⚠ Complete Mathematics (MA) requirement.		
Minimum 2.25 GPA in HST.		
Term hours subtotal:		14

- Apply for an Identity Verified Print (IVP) DPS **fingerprint card**, required by state law for participation in internships in 6-12th grade schools.
- Explore opportunities to **study abroad**. Summer is usually the best time for students in this major to study abroad.

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
<p>⚠ EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Computer Literacy: Mobile Technologies and Your World (CS)</p>	3	C	<ul style="list-style-type: none"> <li>• Meet with your advisor early in the semester to submit an "Intent to Progress" form that notifies Teachers College you will be ready to enroll in your first internship the following term. You will upload a copy of your IVP fingerprint clearance card with this form, as required by state law. Teachers College will then invite you to attend a mandatory Professional Pathways Orientation.</li> <li>• Students are encouraged to select free electives from courses in geography, political science, and economics, especially if preparing to teach middle grade (6-8) social studies. Barrett Honors students may use their research and thesis hours as electives.</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
<p>⚠ HST 100: Global History to 1500 (HU &amp; H &amp; G) OR HST 101: Global History Since 1500 (HU &amp; H &amp; G) OR HST 109: United States to 1865 ((HU or SB) &amp; H) OR HST 110: United States Since 1865 (SB &amp; H)</p>	3	C	
<p>⚠ SPE 222: Orientation to Education of Exceptional Children (SB &amp; C)</p>	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.			
Elective	3		
⚠ Milestone: Complete online Intent to Progress form for Professional Pathways Program (meet with advisor).			
⚠ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
⚠ Minimum 2.50 GPA ASU Cumulative.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:		16	

Term 5 61 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EDP 313: Childhood and Adolescence (SB)	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internships, you will work alongside an intern mentor teacher in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 5-8.</li> <li>• POS 417 or GCU 113 is recommended for the elective course if students have not yet satisfied the AZ Constitution requirement for teacher certification.</li> <li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> </ul>
★ SED 396: Clinical Experience I	1	Y	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Upper Division Non-U.S. History Course	3	C	
Upper Division United States History Course	3	C	
Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:		16	

- Explore [graduate school](#) opportunities.

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>• Use <a href="#">Handshake</a> to research employment opportunities.</li> <li>• Attend <a href="#">career fairs, workshops and related events</a> offered by Career and Professional Development Services.</li> </ul>
★ HST 480: Methods of Teaching History: Classroom Resources	3	C	
★ HST 495: Methods of Historical Inquiry (L)	3	C	
★ SED 397: Clinical Experience II	1	Y	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	15		

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 481: Methods of Teaching History: Community Resources	3	C	<ul style="list-style-type: none"> <li>• All other degree requirements should be completed prior to student teaching residency. Only one course may be approved to take concurrently with student teaching residency in term 8.</li> <li>• Students must pass the NES Secondary Professional Knowledge Exam to obtain secondary education teacher certification in Arizona. Completing this exam prior to student teaching residency is highly recommended. Students who wish to be "appropriately certified" for middle grade social studies must also take the Middle Grades Social Science test. See <a href="http://www.aepa.nesinc.com/">www.aepa.nesinc.com/</a>.</li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	Y	
Upper Division Non-U.S. History Course	3	C	
Upper Division United States History Course	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>• Student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.</li> <li>• Students must either have passed the Constitutions of the United States and Arizona AEPA exam or have completed coursework covering this requirement within one year of initial certification.</li> <li>• Take advantage of mock interview opportunities and assistance with writing <a href="#">resumes and cover letters</a>.</li> <li>• Apply for <a href="#">career opportunities</a>.</li> </ul>
★ Minimum 2.25 GPA in HST.			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- At least 12 upper-division hours in history (HST) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

Upper Division United States History	Upper Division Non-U.S. History	Upper Division Non-U.S. History Continued
HST 300: Veterans, Society and Service: Experience of America's Modern Wars (H)	HST 302: Envisioning Peace	HST 404: Conquest and Encounters in Colonial Latin America (L & G)
HST 306: Studies in United States History	HST 302: Gender and Sexuality in Islam	HST 423: The Tudor Monarchy (SB & H)
HST 314: American Cultural History Since 1865 ((HU or SB) & H)	HST 302: History of the Olympic Movement	HST 424: The Stuart Monarchy (SB & H)
HST 315: Political History of the U. S. (SB & H)	HST 302: Jews, Christians & Muslims in Early Modern World	HST 426: The British Empire (H)
HST 316: 20th-Century U.S. Foreign Relations (SB & H)	HST 302: Jews, Christians & Muslims in the Medieval World	HST 427: French Revolution/Napoleonic Era (SB & H)
HST 317: History of Postwar U.S. Conservatism	HST 302: Slavery Systems in Africa	HST 429: Modern Germany (SB & G & H)
HST 318: History of Engineering ((L or SB) & G)	HST 303: Studies in Asian History	HST 430: The Ottoman Empire in the Classical Period
HST 320: U.S. Urban History since 1850 (SB & H)	HST 304: Studies in European History	HST 432: Eastern Europe the Balkans, 20th Century (G & H)
HST 321: Constitutional History/US to 1865 (SB & H)	HST 305: Studies in Latin American History	HST 435: The Russian Empire (SB & H)
HST 322: Constitutional History of the United States Since 1865 (H)	HST 307: Studies in African History (H)	HST 436: Rise & Fall of Soviet Communism (SB & G & H)
HST 323: Historical Studies in Race, Crime, and the Law	HST 309: Exploration and Empire ((L or HU) & H)	HST 438: Modern Spain ((HU or SB) & G & H)
HST 325: Immigration and Ethnicity in the United States (SB & H & C)	HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H)	HST 439: Athenian Democracy (H)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	HST 336: Islamic Civilization (HU & H)	HST 441: Latin America and the World Economy (L & G & H)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	HST 339: Islam in the Modern World (HU & G)	HST 443: The United States and Latin America (SB & G & H)
HST 329: Women in 20th-Century U.S. West (H & C)	HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)	HST 444: Latin American Independence ((L or HU) & G)
HST 331: Mexican American History to 1900 (SB & H & C)	HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)	HST 445: 20th-Century Cuba (SB & G & H)
HST 332: Mexican American History Since 1900 (SB & H & C)	HST 348: Rome (SB & H)	HST 447: Modern Mexico (SB & H)
HST 333: African American History to 1865 (SB & H & C)	HST 349: Early Middle Ages ((HU or SB) & H)	HST 448: Mexican/U.S. Border
HST 334: African American History Since 1865 ((HU or SB) & C & H)	HST 350: Later Middle Ages ((HU or SB) & H)	HST 451: Chinese Cultural History I ((HU or SB) & H)
HST 335: History of Black Women in America (SB & H)	HST 351: Renaissance Europe ((L or HU or SB) & H)	HST 452: Chinese Cultural History II (SB & G & H)
HST 337: American Indian History to 1900 ((HU or SB) & C & H)	HST 352: Europe's Reformations ((L or HU or SB) & H)	HST 456: The Vietnam War (SB & G & H)
	HST 353: Old Regime in Europe (SB & H)	HST 459: Gandhi and the Politics of Nonviolence
	HST 354: Revolutionary Europe (SB & H)	HST 460: World War II (HU & H & G)
	HST 355: Total War and the Crisis of Modernity (SB & G & H)	HST 465: Women in Europe, 1750 to Present ((HU or SB) & H)
	HST 356: Europe since 1945 (SB & G & H)	
	HST 358: Jewish History from Antiquity to 1492 (SB & H)	

HST 338: American Indian History since 1900 ((HU or SB) & C & H)	HST 359: Jewish History from 1492 to 1948 (SB & G & H)
HST 340: American Military History (SB & H)	HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)
HST 341: U.S. West 19th Century (SB & H)	HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)
HST 342: U.S. West 20th Century (SB & H)	HST 362: Sex and Society in Classical and Medieval Europe (SB & H)
HST 343: American Southwest ((L or SB) & H)	HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)
HST 344: Arizona (SB & H)	HST 364: Sex and Society in Modern Europe ((L or SB) & H)
HST 345: Environmental History (L)	HST 365: World Wars I and II: Europe's Eastern Front
HST 377: Sports in United States History ((HU or SB) & H)	HST 366: England to 1689 (SB & H)
HST 379: History of College Sports	HST 367: Modern Britain (SB & H)
HST 405: Colonial American History to 1763 (SB & H)	HST 368: Culture and Imagination in European History (HU & H)
HST 406: American Revolution/1763-1789 (SB & H)	HST 369: History and Memory of the Holocaust
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H)	HST 370: Eastern Europe in Transition (SB & G & H)
HST 408: Civil War and Reconstruction ((L or SB) & H)	HST 372: Modern Middle East (SB & G & H)
HST 409: Emergence Modern U.S. 1877-1918 (SB & H)	HST 373: Roman History I: Foundations and Republic
HST 412: Contemporary U.S., 1973- Present (SB & H)	HST 374: Roman History II: The Roman Empire
HST 413: Contemporary America ((L or SB) & H)	HST 375: Colonial Latin America (SB & H)
HST 414: Political History and Leadership	HST 376: Modern Latin America (SB & G & H)
HST 419: 20th Century Chicano/a History (C)	HST 383: China (SB & H)
HST 443: The United States and Latin America (SB & G & H)	HST 384: Modern China: 1700 to the Present (SB & G & H)
HST 448: Mexican/U.S. Border	HST 385: History of Chinese Medicine (HU & H & G)
HST 449: Mexican Immigration to the U.S. ((L or SB) & H & C)	HST 386: Interpreting China's Classics ((L or HU) & H)
HST 456: The Vietnam War (SB & G & H)	HST 387: Japan ((L or SB) & H)
	HST 388: Japan (SB & G & H)
	HST 389: Japan Society and Values/Premod
	HST 391: Modern Southeast Asia (SB & G & H)
	HST 392: Modern India

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HST 397: Greece and Rome at War

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map







### Integrated Studies, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAISTBA

Students may not be admitted directly to the BA in Integrated Studies. This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25, and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in The College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling (480) 965-6506.

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@asu">me3@asu</a>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	2		
 Minimum 3.25 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 29 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Natural Science - Quantitative (SQ) 4

Social-Behavioral Sciences (SB) AND Global Awareness (G) 3

Elective 3

❖ Complete Mathematics (MA) requirement.

❖ Minimum 3.25 GPA ASU Cumulative.

Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 43 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Literacy and Critical Inquiry (L) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Elective 3

❖ Minimum 3.25 GPA ASU Cumulative.

Term hours subtotal: 17

- Visit **Career and Professional Development Services** and meet with a career advisor for assistance with career planning and networking.
- Explore an **internship**

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses:

Approved integrated study courses; determined by advisor. 6 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Complete 2 courses:

Upper Division Elective 6

Minimum 3.25 GPA ASU Cumulative.

Term hours subtotal: 15

- Create a **resume**.
- Review or develop your **professional online presence**.

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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Complete 2 courses:

★ Upper Division Approved integrated study courses; determined by advisor. 6 C

★ Complete 2 courses:

Approved integrated study courses; determined by advisor. 6 C

Upper Division Literacy and Critical Inquiry (L) 3

Minimum 3.25 GPA ASU Cumulative.

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Research graduate programs and **employment opportunities**.
- Gather **professional references**.

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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Complete 4 courses:



★ Upper Division Approved integrated study courses; determined by advisor.	12	C	<ul style="list-style-type: none"> <li>• Prepare applications for graduate programs and <b>full-time career opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ Approved integrated study courses; determined by advisor.	3	C	
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
<i>Complete 4 courses:</i>			
★ Upper Division Approved integrated study courses; determined by advisor.	12	C	
Upper Division Elective	3		
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:		15	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Integrated Studies, BS




School/College: [The College of Liberal Arts and Sciences](#)


Location: [Tempe campus](#)

LAISTBS

Students may not be admitted directly to the BS in Integrated Studies. This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25, and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in The College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling (480) 965-6506.

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest area</b> and play me3@ASU.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Mathematics (MA)	3	C	
Complete 2 courses: Elective	6		
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
 Minimum 3.25 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Science and Society Elective	3	C	<ul style="list-style-type: none"> <li>Before registering in term 4, students must meet with an advisor in The College of Liberal Arts and Sciences Office of Student and</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		

Natural Science - Quantitative (SQ)	4
Elective	3
♦ Complete Mathematics (MA) requirement.	
♦ Minimum 3.25 GPA ASU Cumulative.	
Complete First-Year Composition requirement.	
Term hours subtotal:	13

Academic Programs to develop an approved program of integrated study courses.

- Visit **Career and Professional Development Services** and meet with a career advisor for assistance with career planning and networking.

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ♦	Hours	Minimum Grade	Notes
♦ Approved integrated study courses; determined by advisor.	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> <li>• Explore an <b>internship</b></li> </ul>
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
♦ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 3 courses:			<ul style="list-style-type: none"> <li>• Review or develop your <b>professional online presence</b></li> <li>• Create a <b>resume</b></li> </ul>
Approved integrated study courses; determined by advisor.	9	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
★ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 2 courses:			<ul style="list-style-type: none"> <li>• Research <b>graduate programs and employment opportunities</b></li> <li>• Gather <b>professional references</b></li> </ul>
★ Upper Division Approved integrated study courses; determined by advisor.	6	C	
★ Approved integrated study courses; determined by advisor.	3	C	
Upper Division Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Complete 4 courses:			<ul style="list-style-type: none"> <li>• Prepare applications for graduate programs and full-time <b>career opportunities</b></li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
★ Upper Division Approved integrated study courses; determined by advisor.	12	C	
Upper Division Elective	3		
★ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

		Minimum	
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Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
<i>Complete 4 courses:</i>			
★ Upper Division Approved integrated study courses; determined by advisor.	12	C	
Upper Division Elective	3		
★ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:		15	

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.25 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map





### International Letters and Cultures, BA




School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASLCBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Students in this major must be eligible to take a 200-level or above selected target language course in the first term.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>Learn about <b>intensive language</b> courses.</li> <li>Engage in your <b>language and culture</b> area at ASU.</li> </ul>
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	
 Approved Selected Language Courses	4-5	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	14-15		

Term 2 14 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Start planning your study abroad experience. Learn about <b>faculty directed summer programs</b> offered through the School of International Letters and Cultures.</li> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>Attend a <b>Financing your Study Abroad Program</b> Workshop.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Approved Selected Language Courses	4-5	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Milestone: Meet with a SILC advisor before the end of the term to seek guidance in writing personal statement.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.33 GPA ASU Cumulative.			
Minimum cumulative 3.00 GPA in primary target language courses.			
Term hours subtotal:	13-14		

Term 3 27 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Approved Selected Language Courses	4-5	C	<ul style="list-style-type: none"> <li>Meet with your <b>academic advisor</b> in SILC regarding your program of study, which is tailored for individual students.</li> </ul>
 Course from approved Program of Study	3	C	
Literacy and Critical Inquiry (L)	3		

Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
❖ Complete Mathematics (MA) requirement.	
❖ Milestone: Write a personal statement and submit statement by the end of the term; receive Program of Study approval.	
Complete First-Year Composition requirement.	
Minimum 2.33 GPA ASU Cumulative.	
Term hours subtotal:	17-18

- Explore your **career interest** area.
- Learn about research opportunities through the ASU **Humanities Lab**.
- Activate your **Handshake account** and build out your profile.

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
❖ SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	<ul style="list-style-type: none"> <li>• Learn about <b>internships, scholarships and awards</b> available to language and culture majors.</li> </ul>
❖ Complete 3 courses: Course from approved Program of Study	9	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Minimum 2.33 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 3 courses: Upper Division Course from approved Program of Study	9	C	<ul style="list-style-type: none"> <li>• Learn about <b>national scholarships, fellowships and research opportunities</b>.</li> </ul>
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Minimum 2.33 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 3 courses: Upper Division Course from approved Program of Study	9	C	<ul style="list-style-type: none"> <li>• Make plans to study abroad in an <b>ASU Study Abroad</b> summer, semester, or academic year program.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.33 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 3 courses: Upper Division Course from approved Program of Study	9	C	<ul style="list-style-type: none"> <li>• Learn about ways to <b>build your skills</b>.</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Elective OR SLC 484: Internship	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ 4** SLC Required Culture Course	3	C	

Upper Division Course from approved Program of Study	3	C
Course from approved Program of Study	3	C
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	15	

- Attend a [Career Services](#) job fair or networking event.

- This degree program is intended for students who are already fairly competent in the language selected to study. The language selected by the student must be one offered by the School of International Letters and Cultures. Please see an academic advisor in SILC for approval of the language as well as the program of study which is tailored for individual students. Because of the nature of the degree program, students taking Romanian and Portuguese should be at least at the 313 level by the end of Term 1, and students taking Greek should be at least at the 301 level by the end of Term 1. Students in all other languages should be at the 201 level by the end of Term 1.

#### Hide Course List(s)/Track Group(s)

SLC 400-Level Required Culture Courses	Approved Selected Language Courses
SLC 414: French and Italian Popular Culture (L or HU) & G	ARB 201: Intermediate Arabic I (G) AND ARB 202: Intermediate Arabic II (G)
SLC 415: Korean Popular Culture (HU & G)	ASL 201: American Sign Language III AND ASL 202: American Sign Language IV
SLC 421: Ghosts, Monsters, and Supernatural in Jpn Lit&Film (L or HU) & G	BCS 201: Intermediate Serbo-Croatian AND BCS 202: Intermediate Serbo-Croatian
SLC 421: Japanese Aesthetics (L or HU) & G	CHI 201: Second-Year Chinese I (G) AND CHI 202: Second-Year Chinese II (G) or CHI 210: Intensive Chinese II
SLC 421: Japanese Film and Animation, 1945-present (L or HU) & G	FRE 201: Intermediate French I (G) AND FRE 202: Intermediate French II (G) or FRE 210: Intensive French II (G)
SLC 421: Japanese Literature in Translation (L or HU) & G	GER 201: Intermediate German I (G) AND GER 202: Intermediate German II (G) or GER 210: Intensive German II (G)
SLC 421: Samurai and Geisha (L or HU) & G	GRK 301: Ancient Greek Literature I (HU) AND GRK 302: Ancient Greek Literature II (HU)
SLC 421: Travel and Exploration in Early Modern Japan (L or HU) & G	HEB 201: Intermediate Modern Hebrew (G) AND HEB 202: Intermediate Modern Hebrew (G)
SLC 423: Italian Organized Crime in Films and History (L or HU) & G	HEB 231: Biblical Hebrew III AND HEB 232: Biblical Hebrew IV
SLC 425: Globalization: From Colonialism to Climate Change (HU & G)	IDN 201: Intermediate Indonesian I (G) AND IDN 202: Intermediate Indonesian II (G)
SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)	ITA 201: Intermediate Italian I (G) AND ITA 202: Intermediate Italian II (G) or ITA 210: Intensive Italian II (G)
SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (L or HU)	JPN 201: Second-Year Japanese I (G) AND JPN 202: Second-Year Japanese II (G) or JPN 210: Intensive Japanese II
SLC 440: Approaches to Film Theory	
SLC 441: Fairy Tales (HU & G)	
SLC 442: Dracula and Vampire Lore (L or HU) & G & H)	

SLC 444: Heroes, Ancient and Modern (L or HU)	KOR 201: Second-Year Korean I (G) AND KOR 202: Second-Year Korean II (G)
SLC 445: The Holocaust in German-Mediated Memory	LAT 201: Intermediate Latin I (HU) AND LAT 202: Intermediate Latin II (HU)
SLC 446: Weimar-Era German Film	PLC 201: Intermediate Polish AND PLC 202: Intermediate Polish
SLC 447: German Modernism	POR 201: Intermediate Portuguese I (G) AND POR 202: Intermediate Portuguese II (G)
SLC 450: Experimental Narrative (HU)	ROM 313: Romanian Composition and Conversation AND ROM 314: Romanian Composition and Conversation
SLC 451: Chinese Cultural History I ((HU or SB) & H)	RUS 201: Intermediate Russian I (G) AND RUS 202: Intermediate Russian II (G)
SLC 452: Chinese Cultural History II (SB & G & H)	SPA 201: Intermediate Spanish (G) AND SPA 202: Intermediate Spanish (G) or SPA 203: Intermediate Spanish I for Bilinguals (G) AND SPA 204: Intermediate Spanish II for Bilinguals (G) or SPA 210: Intensive Spanish II (G)
SLC 455: Berlin: Migration, Arts and Activism (G)	VTN 201: Intermediate Vietnamese I (G) AND VTN 202: Intermediate Vietnamese II (G)
SLC 457: Premodern Korea in a Global Context (HU)	
SLC 459: Latin American Jewish Culture	
SLC 465: Intercultural Communicative Competence	
SLC 475: Latin American Film ((L or HU) & G)	
SLC 494: Special Topics	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### International Letters and Cultures (Arabic Studies), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASLCASBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARB 101: Elementary Arabic I (G)	5	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language must take a placement test.</li> <li>Engage in <b>Arabic</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARB 102: Elementary Arabic II (G)	5	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures academic advisor to discuss the best <b>study abroad</b> options for your major. Attend a <b>Financing Your Study Abroad Program Workshop</b>.</li> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 or ENG 105 or ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARB 201: Intermediate Arabic I (G)	5	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures academic advisor to learn about <b>internships</b> and <b>scholarships and awards</b> for language and culture majors.</li> <li>Arabic offers many opportunities if you are interested in working for the <b>Peace Corps</b>.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses:			
Elective	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

🚩 ARB 202: Intermediate Arabic II (G)	5	C
🚩 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C
Literacy and Critical Inquiry (L)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Term hours subtotal:	15	

- Meet with a School of International Letters and Cultures academic advisor to learn about **internships** and **scholarships and awards** for language and culture majors.
- Proficiency in Arabic offers an advantage to those who are interested in **U.S. State Department careers**.
- Learn about research opportunities through the ASU **Humanities Lab**.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARB 311: Advanced Arabic Skills I OR ARB 315: Advanced Arabic for Heritage Speakers	3	C
★ ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)	3	C
★ Upper Division Concentration Electives	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Elective	3	
Term hours subtotal:	15	

- Learn about **national scholarships, fellowships, and research opportunities**.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARB 341: Quran Text and Women (HU & H)	3	C
★ Complete 2 courses: Upper Division Concentration Electives	6	C
Complete 2 courses: Upper Division Elective	6	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Students must take a minimum of six credit hours in related area courses. Credit hours in excess of the six required credit hours will be counted as elective hours toward the 120 total credit hours required for any ASU degree.
- Explore your **career interest area**.
- Use Handshake to research **employment opportunities**.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARB 351: Classical Arabic Literature (HU & G)	3	C
★ Upper Division Concentration Electives	3	C
Complete 2 courses: Elective	6	
Upper Division Elective	3	
Term hours subtotal:	15	

- Gather **professional references**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ ARB 352: Modern Arabic Literature in Translation (HU & G)	3	C
★ Upper Division Concentration Electives	3	C
★ Upper Division Related Area Course Electives	3	C
Complete 2 courses: Elective	6	
Term hours subtotal:	15	

- Attend an **ASU Career Services** workshop or Job Fair.

Hide Course List(s)/Track Group(s)

Concentration Electives	Related Area Courses
ARB 321: Arabic Conversation I	AFR 480: Different Voices Within Contemporary Islamic Discourse
ARB 335: Arabic Culture and Islam (G)	HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)
ARB 336: Introduction to the Qur'an (G)	HST 372: Modern Middle East (SB & G & H)
ARB 337: Hadith and Prophetic Tradition (HU & H & G)	POS 353: Comparative Politics of the Middle East
ARB 340: Arabic Translation	REL 365: Islamic Civilization (HU & H)
ARB 360: Islamic Philosophical Literature	
ARB 394: Special Topics	
ARB 411: Advanced Arabic Skills II (G)	
ARB 421: Arabic Conversation II	
ARB 422: Advanced Arabic Media (G)	
ARB 493: Honors Thesis (L)	
ARB 494: Special Topics	
ARB 499: Individualized Instruction	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### International Letters and Cultures (Classical Civilization), BA


School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASLCVBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with experience in the language must take a placement exam.</li> <li>Learn about <b>Intensive Language courses</b> at ASU.</li> <li>Explore your <b>career interest area</b>.</li> <li>Engage in the <b>Classics</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Mathematics (MA) ( MAT 142 recommended)	3	C	
Social-Behavioral Sciences (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of a second language course at the 4th semester intermediate level (202 or above).	4	C	
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Start planning your study abroad experience. Learn about <b>ASU Study Abroad programs</b>.</li> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>Attend a <b>Financing Your Study Abroad Program</b> workshop.</li> <li>SLC 221, 222, and 223 are not required to be taken in sequence.</li> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b></li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a second language course at the 4th semester intermediate level (202 or above).	4	C	
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Classics Core	3	C	<ul style="list-style-type: none"> <li>Learn about <b>internships, scholarships and awards</b> and explore your <b>career interest area</b>.</li> <li>SLC 221, 222, and 223 are not required to be taken in sequence.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a second language course at the 4th semester intermediate level (202 or above).	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		

Elective 3

◆ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 46 - 59 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ SLC 201: Introduction to Linguistics (HU or SB) or SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best <b>study abroad options</b> for your major.
◆ Ancient World Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a second language course at the 4th semester intermediate level (202 or above).	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	13		

Term 5 59 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Ancient World Elective	3	C	• Explore your <b>career interest</b> area.
Upper Division Culture Core	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 75 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Ancient World Elective	3	C	• Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major. • Visit the <b>Office of National Scholarship Advisement</b> to learn more about national scholarships, fellowships and research opportunities. • Use Handshake to research <b>employment opportunities</b>
Upper Division Culture Core	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** GRK/LAT/SLC	3	C	• Build your <b>skills</b> .
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR SLC 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Ancient World Elective	3	C	• Attend an <b>ASU Career Services Job Fair</b> .
Upper Division History Core	3	C	

Complete 2 courses:	6
Upper Division Elective	
Elective	2
Term hours subtotal:	14

Hide Course List(s)/Track Group(s)

Upper Division Culture Core	Classics Core	History Core
GRK 351: Tales of Troy or SLC 351: Tales of Troy	GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU)	GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)
GRK 352: The Rise and Fall of Ancient Athens or SLC 352: The Rise and Fall of Ancient Athens	GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)	GRK 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)
GRK 353: Alexander and His Empires or SLC 353: Alexander and His Empires	LAT 143: Roman Civilization	LAT 373: Roman History I: Foundations and Republic or SLC 373: Roman History I: Foundations and Republic or HST 373: Roman History I: Foundations and Republic
GRK 394: Magic and Witchcraft in Antiquity or LAT 394: Magic and Witchcraft in Antiquity or SLC 394: Magic and Witchcraft in Antiquity		LAT 374: Roman History II: The Roman Empire or SLC 374: Roman History II: The Roman Empire or HST 374: Roman History II: The Roman Empire
LAT 394: Rome Before the Empire or SLC 394: Rome Before the Empire		
LAT 394: Augustus and the Creation of the Roman Empire or SLC 394: Augustus and the Creation of the Roman Empire		
Ancient World Electives	GRK/LAT/SLC 400-Level	
APH 313: History of Architecture I ((L or HU) & G & H)	GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)	
ARS 402: Art of Ancient Egypt (HU & H)	LAT 421: Roman Literature (HU)	
ARS 404: Greek Art (HU & H)	SLC 414: French and Italian Popular Culture ((L or HU) & G)	
ARS 406: Roman Art (HU & H)	SLC 423: Italian Organized Crime in Films and History ((L or HU) & G)	
ASB 330: Understanding Archaeology (SB)	SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)	
ENG 303: Classical Backgrounds of English Literature (HU)	SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (L or HU)	
GRK 201: Intermediate Ancient Greek	SLC 440: Special Topics	
GRK 301: Ancient Greek Literature I (HU)	SLC 441: Fairy Tales (HU & G)	
GRK 302: Ancient Greek Literature II (HU)	SLC 442: Dracula and Vampire Lore ((L or HU) & G & H)	
GRK 344: Classics and Comics (HU) or LAT 344: Classics and Comics (HU) or SLC 344: Classics and Comics (HU)		
GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and		

Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)	SLC 445: The Holocaust in German-Mediated Memory
GRK 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)	SLC 446: Weimar-Era German Film SLC 447: German Modernism SLC 450: Experimental Narrative (HU) SLC 455: Berlin: Migration, Arts and Activism (G)
GRK 360: Greece and Rome at War or LAT 360: Greece and Rome at War or SLC 360: Greece and Rome at War or HST 397: Greece and Rome at War	
GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)	
HST 349: Early Middle Ages ((HU or SB) & H)	
HST 362: Sex and Society in Classical and Medieval Europe (SB & H)	
HST 495: Special Topics	
LAT 201: Intermediate Latin I (HU)	
LAT 202: Intermediate Latin II (HU)	
LAT 373: Roman History I: Foundations and Republic or SLC 373: Roman History I: Foundations and Republic or HST 373: Roman History I: Foundations and Republic	
LAT 361: Roman Religion (HU) or SLC 361: Roman Religion (HU) or REL 361: Roman Religion (HU)	
LAT 421: Roman Literature (HU)	
PHI 328: History of Ancient Philosophy (HU & H)	
POS 340: History of Political Philosophy I (HU & H)	
REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)	
REL 316: Literary Readings of the Hebrew Bible (L or HU)	
REL 371: New Testament (HU)	
REL 375: Lost Scriptures, Lost Christianities (HU)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and



West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### International Letters and Cultures (Classics) - Greek, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASLCCBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRK 101: Elementary Ancient Greek	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>Engage in the <b>Classics</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Mathematics (MA) ( MAT 142 recommended)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.33 GPA ASU Cumulative.			
 Minimum 3.00 GPA in GRK.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRK 201: Intermediate Ancient Greek	4	C	<ul style="list-style-type: none"> <li>Start planning your study abroad experience. Learn about faculty-directed <b>summer study abroad programs</b> offered through the School of International Letters and Cultures.</li> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>Attend a <b>Financing Your Study Abroad Program</b> Workshop.</li> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.33 GPA ASU Cumulative.			
 Minimum 3.00 GPA in GRK.			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GRK 301: Ancient Greek Literature I (HU)	3	C	<ul style="list-style-type: none"> <li>Students are required to take GRK 301 twice, once in Term 3 and again in Term 5.</li> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

❗ Minimum 3.00 GPA in GRK.

Term hours subtotal: 16

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ GRK 302: Ancient Greek Literature II (HU)	3	C	<ul style="list-style-type: none"><li>• Students are required to take GRK 302 twice, once in Term 4 and again in Term 6.</li><li>• Learn about <b>internship, scholarships and awards</b> opportunities.</li><li>• Explore your <b>career interest</b> area.</li><li>• Learn about research opportunities through the ASU <b>Humanities Lab</b>.</li></ul>
❗ SLC 201: Introduction to Linguistics (HU or SB) or SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	
Ancient World Elective	3	C	
Classics Core	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❗ Minimum 3.00 GPA in GRK.			
Term hours subtotal:	16		

Term 5 62 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GRK 301: Ancient Greek Literature I (HU)	3	C	<ul style="list-style-type: none"><li>• Students are required to take GRK 301 twice.</li><li>• Learn about <b>national scholarships, fellowships and research</b> opportunities.</li></ul>
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses:	4		
Elective			
Term hours subtotal:	13		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ GRK 302: Ancient Greek Literature II (HU)	3	C	<ul style="list-style-type: none"><li>• Students are required to take GRK 302 twice.</li><li>• Explore your <b>career interest</b> area.</li><li>• Use Handshake to research <b>employment opportunities</b>.</li></ul>
Upper Division Ancient World Elective	3	C	
Culture Core	3	C	
Complete 2 courses:	6		
Upper Division Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Ancient World Elective	3	C	
Culture Core	3	C	
4** GRK/LAT/SLC	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR SLC 484: Internship	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Ancient World Elective	3	C	<ul style="list-style-type: none"><li>• Attend an <b>ASU Career Services</b> workshop or job fair.</li></ul>
Complete 3 courses:			

Upper Division Elective	9
Elective	3
Term hours subtotal:	15

Hide Course List(s)/Track Group(s)

Upper Division Culture Core	Classics Core	Ancient World Electives
GRK 351: Tales of Troy or SLC 351: Tales of Troy	GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU)	APH 313: History of Architecture I ((L or HU) & G & H)
GRK 352: The Rise and Fall of Ancient Athens or SLC 352: The Rise and Fall of Ancient Athens	GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)	ARS 402: Art of Ancient Egypt (HU & H)
GRK 353: Alexander and His Empires or SLC 353: Alexander and His Empires	LAT 143: Roman Civilization	ARS 404: Greek Art (HU & H)
GRK 394: Magic and Witchcraft in Antiquity or LAT 394: Magic and Witchcraft in Antiquity or SLC 394: Magic and Witchcraft in Antiquity		ARS 406: Roman Art (HU & H)
LAT 394: Rome Before the Empire or SLC 394: Rome Before the Empire		ASB 330: Understanding Archaeology (SB)
LAT 394: Augustus and the Creation of the Roman Empire or SLC 394: Augustus and the Creation of the Roman Empire		ENG 303: Classical Backgrounds of English Literature (HU)
		GRK 201: Intermediate Ancient Greek
		GRK 301: Ancient Greek Literature I (HU)
		GRK 302: Ancient Greek Literature II (HU)
		GRK 344: Classics and Comics (HU) or LAT 344: Classics and Comics (HU) or SLC 344: Classics and Comics (HU)
		GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)
		GRK 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)
		GRK 360: Greece and Rome at War or LAT 360: Greece and Rome at War or SLC 360: Greece and Rome at War or HST 397: Greece and Rome at War
		GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)
		HST 349: Early Middle Ages ((HU or SB) & H)
		HST 362: Sex and Society in Classical and Medieval Europe (SB & H)
		HST 495: Special Topics

LAT 201: Intermediate Latin I (HU)

LAT 202: Intermediate Latin II (HU)

LAT 373: Roman History I: Foundations and Republic or SLC 373: Roman History I: Foundations and Republic or HST 373: Roman History I: Foundations and Republic

LAT 361: Roman Religion (HU) or SLC 361: Roman Religion (HU) or REL 361: Roman Religion (HU)

LAT 421: Roman Literature (HU)

PHI 328: History of Ancient Philosophy (HU & H)

POS 340: History of Political Philosophy I (HU & H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

REL 316: Literary Readings of the Hebrew Bible (L or HU)

REL 371: New Testament (HU)

REL 375: Lost Scriptures, Lost Christianities (HU)

GRK/LAT/SLC 400-Level

GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)

LAT 421: Roman Literature (HU)

SLC 414: French and Italian Popular Culture ((L or HU) & G)

SLC 423: Italian Organized Crime in Films and History ((L or HU) & G)

SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)

SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (L or HU)

SLC 440: Special Topics

SLC 441: Fairy Tales (HU & G)

SLC 442: Dracula and Vampire Lore ((L or HU) & G & H)

SLC 445: The Holocaust in German-Mediated Memory

SLC 446: Weimar-Era German Film

SLC 447: German Modernism

SLC 450: Experimental Narrative (HU)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### International Letters and Cultures (Classics) - Latin, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASLCCBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LAT 101: Elementary Latin	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>Engage in the <b>Classics</b> at ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Mathematics (MA) ( MAT 142 recommended)	3		
Elective	3		
 Minimum 2.33 GPA ASU Cumulative.			
 Minimum 3.00 GPA in LAT.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LAT 102: Elementary Latin	4	C	<ul style="list-style-type: none"> <li>Start planning your study abroad experience. Learn about <b>Study Abroad faculty-directed programs</b> offered through the <b>ASU Study Abroad Office</b> and the <b>School of International Letters and Cultures</b>.</li> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 3.00 GPA in LAT.			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 LAT 201: Intermediate Latin I (HU)	4	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to discuss the best study abroad options for your major.</li> <li>Attend a <b>Financing Your Study Abroad Program</b> Workshop.</li> </ul>
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective			

🚩 Complete First-Year Composition requirement.

🚩 Complete Mathematics (MA) requirement.

🚩 Minimum 3.00 GPA in LAT.

Term hours subtotal: 16

Term 4 46 - 63 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 LAT 202: Intermediate Latin II (HU)	4	C	<ul style="list-style-type: none"><li>• Learn about <b>internships, scholarships and award</b> opportunities.</li><li>• Explore research opportunities through the ASU <b>Humanities Lab</b>.</li></ul>
SLC 201: Introduction to Linguistics (HU or SB) or SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3		
Classics Core	3	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
🚩 Minimum 2.33 GPA ASU Cumulative.			
🚩 Minimum 3.00 GPA in LAT.			
Term hours subtotal:	17		

Term 5 63 - 79 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ LAT 421: Roman Literature (HU)	3	C	<ul style="list-style-type: none"><li>• Learn about <b>national scholarships, fellowships, and research</b> opportunities.</li></ul>
Upper Division Culture Core	3	C	
Upper Division Ancient World Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 79 - 91 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ LAT 421: Roman Literature (HU)	3	C	<ul style="list-style-type: none"><li>• Students are required to take LAT 421 twice.</li><li>• Explore your <b>career interest area</b>.</li><li>• Use Handshake to research <b>employment opportunities</b>.</li></ul>
Ancient World Elective	3	C	
4** GRK/LAT/SLC	3	C	
Upper Division Elective	3		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	12		

Term 7 91 - 105 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Culture Core	3	C	<ul style="list-style-type: none"><li>• Gather <b>professional references</b>.</li></ul>
Upper Division Ancient World Elective	3	C	
Upper Division Elective OR SLC 484: Internship	3		
Complete 2 courses: Elective	5		
Term hours subtotal:	14		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Ancient World Elective	3	C	<ul style="list-style-type: none"><li>• Attend a <b>career and internship</b> event.</li></ul>
Upper Division Literacy and Critical Inquiry (L)	3		



Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

Upper Division Culture Core	Classics Core	Ancient World Electives
GRK 351: Tales of Troy or SLC 351: Tales of Troy	GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU)	APH 313: History of Architecture I ((L or HU) & G & H)
GRK 352: The Rise and Fall of Ancient Athens or SLC 352: The Rise and Fall of Ancient Athens	GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)	ARS 402: Art of Ancient Egypt (HU & H) ARS 404: Greek Art (HU & H)
GRK 353: Alexander and His Empires or SLC 353: Alexander and His Empires	LAT 143: Roman Civilization	ARS 406: Roman Art (HU & H) ASB 330: Understanding Archaeology (SB)
GRK 394: Magic and Witchcraft in Antiquity or LAT 394: Magic and Witchcraft in Antiquity or SLC 394: Magic and Witchcraft in Antiquity		ENG 303: Classical Backgrounds of English Literature (HU) GRK 201: Intermediate Ancient Greek
LAT 394: Rome Before the Empire or SLC 394: Rome Before the Empire		GRK 301: Ancient Greek Literature I (HU) GRK 302: Ancient Greek Literature II (HU)
LAT 394: Augustus and the Creation of the Roman Empire or SLC 394: Augustus and the Creation of the Roman Empire		GRK 344: Classics and Comics (HU) or LAT 344: Classics and Comics (HU) or SLC 344: Classics and Comics (HU) GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)
		GRK 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)
		GRK 360: Greece and Rome at War or LAT 360: Greece and Rome at War or SLC 360: Greece and Rome at War or HST 397: Greece and Rome at War
		GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)
		HST 349: Early Middle Ages ((HU or SB) & H)
		HST 362: Sex and Society in Classical and Medieval Europe (SB & H)
		HST 495: Special Topics

LAT 201: Intermediate Latin I (HU)

LAT 202: Intermediate Latin II (HU)

LAT 373: Roman History I: Foundations and Republic or SLC 373: Roman History I: Foundations and Republic or HST 373: Roman History I: Foundations and Republic

LAT 361: Roman Religion (HU) or SLC 361: Roman Religion (HU) or REL 361: Roman Religion (HU)

LAT 421: Roman Literature (HU)

PHI 328: History of Ancient Philosophy (HU & H)

POS 340: History of Political Philosophy I (HU & H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

REL 316: Literary Readings of the Hebrew Bible (L or HU)

REL 371: New Testament (HU)

REL 375: Lost Scriptures, Lost Christianities (HU)

GRK/LAT/SLC 400-Level

GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)

LAT 421: Roman Literature (HU)

SLC 414: French and Italian Popular Culture ((L or HU) & G)

SLC 423: Italian Organized Crime in Films and History ((L or HU) & G)

SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)

SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (L or HU)

SLC 440: Special Topics

SLC 441: Fairy Tales (HU & G)

SLC 442: Dracula and Vampire Lore ((L or HU) & G & H)

SLC 445: The Holocaust in German-Mediated Memory

SLC 446: Weimar-Era German Film

SLC 447: German Modernism

SLC 450: Experimental Narrative (HU)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Italian, BA


School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAITABA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>Learn about <b>Italian language intensive courses</b>. ITA 110 (6 credit language course equivalent to ITA 101 and ITA 102) is offered in the Spring semester.</li> <li>Engage in <b>Italian</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> </ul>
ITA 101: Elementary Italian I (G)	4	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Start planning your <b>study abroad</b> experience. Attend a <b>Financing Your Study Abroad Program Workshop</b></li> <li>ITA 210 (6 credit hour intensive language course equivalent to ITA 201 and ITA 202) is offered on the ASU Study Abroad <b>Italian Language, Food and Culture in San Severino Marche Summer Program</b>.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ITA 102: Elementary Italian II (G)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Complete ENG 101 or ENG 105 or ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 30 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ITA 201: Intermediate Italian I (G)	4	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures <b>academic advisor</b> to learn about internship opportunities in Italian and to discuss the best study abroad options for your major.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		

Elective	2
◆ Complete Mathematics (MA) requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	16

- Learn about research opportunities through the ASU **Humanities Lab**.
- Learn about **scholarship opportunities** for language and culture majors.

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
◆ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> or Italian faculty member to learn about <b>internship opportunities</b> in Italian and to discuss the best study abroad options for your major.</li> <li>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> </ul>
ITA 202: Intermediate Italian II (G)	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
ITA 311: Speak Italy: Language, People, Culture (G) OR ITA 312: ★ Write Italy: Language, People, Culture (L & G) OR ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G) OR ITA 319: Italian for Professions	3	C	<ul style="list-style-type: none"> <li>• Learn about <b>national scholarships, fellowships and research opportunities</b>.</li> <li>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> </ul>
★ ITA Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H) OR ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)	3	C	<ul style="list-style-type: none"> <li>• Learn about <b>scholarships and awards</b> for language and culture majors.</li> <li>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>• Attend an <b>ASU Career Services</b> workshop.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ ITA 4** Elective	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ITA 413: Advanced Italian (G)	3	C	<ul style="list-style-type: none"> <li>• Meet with a School of International Letters and Cultures <b>academic advisor</b> to learn about internship and career opportunities in Italian.</li> </ul>
ITA 4** Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ ITA 311: Speak Italy: Language, People, Culture (G) OR ITA 312: Write Italy: Language, People, Culture (L & G) OR ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G) OR ITA 319: Italian for Professions	3	C
★ ITA 4** Elective	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Upper Division Elective OR ITA 484: Internship	3	
Elective	3	
Term hours subtotal:	15	

- Meet with a School of International Letters and Cultures **academic advisor** to learn about internship and **career opportunities** in Italian.
- Attend an **ASU Career Services** workshop or job fair.

Hide Course List(s)/Track Group(s)

ITA Upper Division Electives
ITA 319: Italian for Professions
ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy
ITA 394: Special Topics
ITA 414: French and Italian Popular Culture ((L or HU) & G)
ITA 420: Italian Cinema (L & G)
ITA 423: Italian Organized Crime in Films and History ((L or HU) & G)
ITA 494: Special Topics
ITA 3** Elective
ITA 4** Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Jewish Studies, BA

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAJSTBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Students completing Biblical Hebrew will need four extra elective credit hours to reach the 120 required for graduation.</li> <li>Select your <b>Career Interest Communities</b> and play me3@ASU.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent).	4	C	
Humanities, Arts and Design (HU)	3		
Elective	2		
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Many General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>If interested in law school, review the <b>Pre-Law at ASU</b> website.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent).	4	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H) OR HST 230: Introduction to Jewish Civilization (HU & H & G) or JST 230: Introduction to Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization (HU & H & G)	3	C	<ul style="list-style-type: none"> <li>Explore opportunities to <b>study abroad</b></li> </ul>



Related Area Course	3	C
Second Language: Requirement satisfied through the following:		
* Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent).	4	C
Computer/Statistics/Quantitative Applications (CS)	3	
Elective	3	
◆ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Maintain 2.50 GPA in Major Courses.		
Term hours subtotal:		16

Term 4 46 - 60 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ Primary Concentration Course	3	C	<ul style="list-style-type: none"> <li>Students must choose one of the three concentrations as the primary concentration and take 15 hours of coursework from that concentration. For the nine hours outside of primary concentration, students may select from courses in the other two concentration areas.</li> <li>Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> <li>If interested in law school, <a href="#">make an appointment</a> with the pre-law advisor.</li> </ul>
Course Outside Primary Concentration	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent).	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:		14	

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Primary Concentration Course	3	C	<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if the G requirement has not already been satisfied.</li> <li>Consider participating in an <a href="#">Undergraduate Research Experience</a> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <a href="#">Humanities Lab</a>.</li> </ul>
Upper Division Related Area Course	3	C	
Primary Concentration Course	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:		15	

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Primary Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore <a href="#">graduate school</a> opportunities.</li> <li>If planning on law school, prepare to take the <a href="#">LSAT</a>.</li> <li>Participate in an <a href="#">internship</a> to gain valuable career experience and contacts. For help exploring internship <a href="#">opportunities related to your major</a>, meet with an academic advisor.</li> </ul>
Upper Division Course Outside Primary Concentration	3	C	
Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective OR JST 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:		15	

		Minimum	
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Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Primary Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li> </ul>
Upper Division Course Outside Primary Concentration	3	C	
Upper Division Related Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
JST 490: History and Memory in Jewish Tradition (L) OR JST 491: History of Antisemitism OR JST 495: Judaism, Science and World Religions OR JST 496: Biblical Narratives: Literary Approaches	3	C	<ul style="list-style-type: none"> <li>• Students complete JST 490, JST 491, JST 495, or JST 496 as a capstone course for the Jewish Studies major.</li> <li>• Take advantage of mock interview opportunities and assistance with writing <b>resumes and cover letters</b>.</li> <li>• Apply for <b>career opportunities</b>.</li> </ul>
Upper Division Related Area Course	3	C	
Complete 3 courses:	9		
Upper Division Elective			
★ Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:		15	

- Students must choose one of the three concentrations as the primary concentration and take 15 hours of coursework from that concentration. For the nine hours outside of primary concentration, students may select from courses in the other two concentration areas.

Hide Course List(s)/Track Group(s)

History and Society Concentration	Literature and Culture Concentration	Religion and Thought Concentration
CRJ 456: Etiology of Martyrdom	ENG 356: The Bible as Literature (HU)	HEB 375: Contemporary Culture of Israel (HU & G)
HEB 375: Contemporary Culture of Israel (HU & G)	HEB 375: Contemporary Culture of Israel (HU & G)	HST 314: American Cultural History Since 1865 ((HU or SB) & H)
HST 302: Jews, Christians & Muslims in Early Modern World	JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H)	JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H)
HST 302: Jews, Christians & Muslims in the Medieval World	JST 211: Jews and Judaism in America (SB & H) or HST 211: Jews and Judaism in America (SB & H) or REL 211: Jews and Judaism in America (SB & H)	JST 211: Jews and Judaism in America (SB & H) or HST 211: Jews and Judaism in America (SB & H) or REL 211: Jews and Judaism in America (SB & H)
HST 304: Exiles, Migrants, Refugees in Jewish History	JST 230: Introduction to Jewish Civilization (HU & H & G) or HST 230: Introduction to Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization (HU & H & G)	JST 314: Jewish Philosophy or HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy
HST 304: History of Antisemitism		JST 315: Hebrew Bible (Old Testament) ((L or HU) & H) or REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)
HST 304: Jews and Christians in the Middle Ages		
HST 304: Nazi Germany	JST 314: Jewish Philosophy or HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy	
HST 304: Rebirth of European Jewish Life after 1950		JST 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU) or
HST 358: Jewish History from Antiquity to 1492 (SB & H)	JST 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU) or	

HST 359: Jewish History from 1492 to 1948 (SB & G & H)	HEB 316: Literary Readings of the Hebrew Bible (L or HU) or REL 316: Literary Readings of the Hebrew Bible (L or HU)	HEB 316: Literary Readings of the Hebrew Bible (L or HU) or REL 316: Literary Readings of the Hebrew Bible (L or HU)
HST 372: Modern Middle East (SB & G & H)		
JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H)	JST 318: Contemporary American Jewish Identities ((HU or SB) & C) or REL 318: Contemporary American Jewish Identities ((HU or SB) & C)	JST 318: Contemporary American Jewish Identities ((HU or SB) & C) or REL 318: Contemporary American Jewish Identities ((HU or SB) & C)
JST 211: Jews and Judaism in America (SB & H) or HST 211: Jews and Judaism in America (SB & H) or REL 211: Jews and Judaism in America (SB & H)	JST 346: Israeli Wars in Israeli Movies (HU & G) or FMS 349: Israeli Wars in Israeli Movies (HU & G) or HEB 349: Israeli Wars in Israeli Movies (HU & G)	JST 349: Nature, Sustainability and Religion or HPS 349: Nature, Sustainability and Religion or REL 349: Nature, Sustainability and Religion or SOS 349: Nature, Sustainability and Religion
JST 230: Introduction to Jewish Civilization (HU & H & G) or HST 230: Introduction to Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization (HU & H & G)	JST 347: Modern Israeli Literature in Translation (HU & G) or ENG 347: Modern Israeli Literature in Translation (HU & G) or HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)	JST 411: Judaism and the Beginnings of Christianity (HU & H) or HEB 411: Judaism and the Beginnings of Christianity (HU & H) or REL 411: Judaism and the Beginnings of Christianity (HU & H)
JST 302: Studies in History		
JST 304: Studies in European History	JST 445: The Holocaust in German-Mediated Memory or FMS 445: The Holocaust in German-Mediated Memory or GER 445: The Holocaust in German-Mediated Memory or SLC 445: The Holocaust in German-Mediated Memory	JST 495: Judaism, Science and World Religions
JST 318: Contemporary American Jewish Identities ((HU or SB) & C) or REL 318: Contemporary American Jewish Identities ((HU or SB) & C)		REL 207: Ritual, Symbol, and Myth (L or HU)
JST 348: Israeli Society and Culture (HU & G) or HEB 348: Israeli Society and Culture (HU & G) or REL 311: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)	JST 459: Latin American Jewish Culture or SLC 459: Latin American Jewish Culture or SPA 459: Latin American Jewish Culture	REL 310: Western Religious Traditions (HU & H)
JST 369: History and Memory of the Holocaust or HST 369: History and Memory of the Holocaust or REL 312: History and Memory of the Holocaust	JST 496: Biblical Narratives: Literary Approaches	REL 385: Contemporary Western Religious Thought (HU)
JST 490: History and Memory in Jewish Tradition (L)	REL 313: Anti-Semitism in the Media	
JST 491: History of Antisemitism		
REL 410: Judaism in Modern Times (HU & H)		
STS 364: Science, Technology, and National Security (SB)		
<b>Related Area</b>		
ASB OR HST OR POS OR REL OR SGS OR SOC OR WST Elective		
AFR 200: Introduction to Africana Studies (SB & G & H)		
AFR 301: Race and Racism in Africa/African Diaspora (SB & G)		
AFR 318: African and African Diaspora Women Writers (HU & G)		

AFR 370: Family Ethnic and Cultural  
Diversity (SB & C)

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AFR 375: Race, Gender and Sport (SB & C)

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ARB 331: Arabic/Islamic Culture and  
Literature (HU & H & G)

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ARB 335: Arabic Culture and Islam (G)

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ARB 336: Introduction to the Qur'an (G)

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ARB 337: Hadith and Prophetic Tradition (HU  
& H & G)

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ARB 341: Quran Text and Women (HU & H)

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ARB 351: Classical Arabic Literature (HU &  
G)

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ARB 352: Modern Arabic Literature in  
Translation (HU & G)

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CRJ 100: Introduction to Criminal Justice (SB)

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ENG 315: Medieval Literature in Translation

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ENG 333: American Ethnic Literature

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ENG 356: The Bible as Literature (HU)

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ENG 364: Women and Literature (HU)

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GCU 328: Geography of Middle East and  
North Africa (SB & G)

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GER 315: Germanic Mythology (HU & G)

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GER 416: German Civilization (HU & H & G)

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GER 421: German Literature Survey,  
800-1800 (HU)

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GER 422: German Literature Survey,  
1800-Today (L or HU)

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GER 431: German Humor

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GER 441: Fairy Tales (HU & G)

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IAS 430: Science and Religion (L or HU)

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JUS 320: Community and Social Justice (SB  
& C)

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JUS 352: The Global Politics of Human Rights  
(SB & G)

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JUS 360: Law and Social Control (SB)

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JUS 374: The Holocaust, Genocide, and  
Human Rights

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JUS 425: Race, Gender, and Justice ((L or SB)  
& C)

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JUS 430: Social Protest, Conflict, and Change  
((L or SB) & C)

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JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C)

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JUS 467: Terrorism, War, and Justice (SB)

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PHI 336: Social and Political Philosophy (HU)

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PSY 350: Social Psychology (SB)

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SLC 142: Ancient Greek Civilization (HU & H) or GRK 142: Ancient Greek Civilization (HU & H)

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SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

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SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

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SLC 362: Ancient Greek Religion or GRK 362: Ancient Greek Religion

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SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

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SLC 455: Berlin: Migration, Arts and Activism (G) or GER 455: Berlin: Migration, Arts and Activism (G)

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SPA 325: Introduction to Hispanic Literature (HU)

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SPA 425: Foundational Texts of Spain (L or HU)

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SPA 426: Literature and Society in Modern Spain (HU)

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SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

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SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)

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SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

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SPA 434: Drama of the Golden Age

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SPA 456: 20th-Century Spanish American Fiction

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SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)

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SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

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SPA 472: Latin American Society: Five Case Studies (HU & H & G)

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SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)

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SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)

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SPA 486: Chicano/a Novel: Última, Rafa y Lala

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SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)

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THP 482: Theatre for Social Change (C)

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Justice Studies, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAJUSBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JUS 105: Introduction to Justice Studies (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior hours earned.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JUS 210: Introduction to Ethnic Studies in the U.S. (C) OR JUS 214: The Pursuit of Justice in the 21st Century (SB) OR JUS 235: Disability, Justice and Advocacy (C)	3	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JUS Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
Elective	3
❖ Complete First-Year Composition requirement.	
❖ Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 46 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ JUS 303: Justice Theory (L)	3	C	• Explore an internship
ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 218: Writing About Literature (L or HU) OR ENG 301: Writing for the Professions (L)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 301: Research in Justice Studies (SB)	3	C	• Develop your professional online presence
JUS 3** Elective	3	C	
Upper Division Related Area Course	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	2		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
JUS 3** Elective	3	C	
JUS 4** Elective	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses: Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: JUS 4** Elective	6	C	• Gather professional references
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ JUS 4** Elective	3	C
Upper Division Related Area Course	3	C
<i>Complete 2 courses:</i>		
Upper Division Elective	6	
Elective	3	
Term hours subtotal:		15

- All Justice Studies students must complete 12 upper-division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below, as well as upper-division courses from non-English language disciplines. No more than two courses can be used from a single discipline and at least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR Upper Division Elective

AIS Upper Division Elective

APA Upper Division Elective

ARS Upper Division Elective

ASB Upper Division Elective

ASM Upper Division Elective

CDE Upper Division Elective

COM Upper Division Elective

CRJ Upper Division Elective

ECN Upper Division Elective

ENG Upper Division Elective

FAS Upper Division Elective

FMS Upper Division Elective

GCU Upper Division Elective

GPH Upper Division Elective

HST Upper Division Elective

IED Upper Division Elective

MHL Upper Division Elective

PHI Upper Division Elective

POS Upper Division Elective

PSY Upper Division Elective

REL Upper Division Elective

SGS Upper Division Elective

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SOC Upper Division Elective

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SST Upper Division Elective

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TCL Upper Division Elective

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THE Upper Division Elective

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WST Upper Division Elective

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map

### Justice Studies, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)


LAJUSBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>JUS 105: Introduction to Justice Studies (SB)</b>	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Activate your <a href="#">Handshake account</a> and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		
Term 2 - A 16 - 23 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		
Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>JUS 210: Introduction to Ethnic Studies in the U.S. (C) OR JUS 214: The Pursuit of Justice in the 21st Century (SB) OR JUS 235: Disability, Justice and Advocacy (C)</b>	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			



Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 7

Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 JUS Elective	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal: 7			

Term 3 - B 37 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal: 7			

Term 4 - A 44 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 JUS 303: Justice Theory (L)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal: 7			


Term 4 - B 51 - 60 Credit Hours	Hours	Minimum Grade	Notes
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ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 301: Writing for the Professions (L)	3	C	• Explore an <b>internship</b> .
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal: 9			

Term 5 - A 60 - 67 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 JUS 301: Research in Justice Studies (SB)	3	C	• Develop your <b>professional online presence</b> .
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal: 7			

Term 5 - B 67 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 JUS 3** Elective	3	C	• For JUS 3** Elective, students cannot use JUS 301, 302, 303, or 305.
Upper Division Related Area Course	3	C	
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 9

Term 6 - A 76 - 82 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 3** Elective	3	C	<ul style="list-style-type: none"> <li>For JUS 3** Elective, students cannot use JUS 301, 302, 303, or 305.</li> <li>For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.</li> </ul>
★ JUS 4** Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 82 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	8		

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	<ul style="list-style-type: none"> <li>For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.</li> <li>Gather professional references.</li> </ul>
Complete 2 courses:	6		
Elective			
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	<ul style="list-style-type: none"> <li>For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.</li> </ul>
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	<ul style="list-style-type: none"> <li>For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.</li> </ul>
Upper Division Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	6		

- All Justice Studies students must complete 9 upper-division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below, as well as upper-division courses from non-English language disciplines. No more than two courses can be used from a single discipline and at least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Hide Course List(s)/Track Group(s)

Related Area Courses
AFR Upper Division Elective
AIS Upper Division Elective
APA Upper Division Elective
ARS Upper Division Elective
ASB Upper Division Elective
ASM Upper Division Elective
CDE Upper Division Elective
COM Upper Division Elective
CRJ Upper Division Elective
ECN Upper Division Elective
ENG Upper Division Elective
FAS Upper Division Elective
FMS Upper Division Elective
GCU Upper Division Elective
GPH Upper Division Elective
HST Upper Division Elective
IED Upper Division Elective
MHL Upper Division Elective
PHI Upper Division Elective
POS Upper Division Elective
PSY Upper Division Elective
REL Upper Division Elective
SGS Upper Division Elective
SOC Upper Division Elective
SST Upper Division Elective
TCL Upper Division Elective
THE Upper Division Elective
WST Upper Division Elective

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Justice Studies, BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAJUSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 <b>JUS 105: Introduction to Justice Studies (SB)</b>	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 <b>JUS 210: Introduction to Ethnic Studies in the U.S. (C) OR JUS 214: The Pursuit of Justice in the 21st Century (SB) OR JUS 235: Disability, Justice and Advocacy (C)</b>	3	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
<i>Complete 2 courses:</i> Elective	6		
 <b>Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</b>			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 <b>JUS Elective</b>	3	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 <b>Complete First-Year Composition requirement.</b>			



❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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❗ JUS 303: Justice Theory (L)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
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ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 218: Writing About Literature (L or HU) OR ENG 301: Writing for the Professions (L)	3	C
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Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
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Elective	3	
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Term hours subtotal: 13

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ JUS 301: Research in Justice Studies (SB)	3	C	<ul style="list-style-type: none"> <li>• For JUS 3** Elective, students cannot use JUS 301, 302, 303, or 305</li> <li>• Develop your <b>professional online presence</b></li> </ul>
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JUS 3** Elective	3	C
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Upper Division Elective	3	
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Complete 2 courses: Elective	6	
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Term hours subtotal: 15

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ JUS 302: Statistical Analysis for Justice Studies (CS)	3	C	<ul style="list-style-type: none"> <li>• For JUS 3** Elective, student cannot use JUS 301, 302, 303, or 305</li> </ul>
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JUS 3** Elective	3	C
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Upper Division Related Area Course	3	C
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Upper Division Science and Society Elective	3	C
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Elective	3	
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★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
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Term hours subtotal: 15

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses: JUS 4** Elective	6	C	<ul style="list-style-type: none"> <li>• For JUS 4** Elective, student cannot use JUS 484, 492, 498, or 499</li> <li>• Gather <b>professional references</b></li> </ul>
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Upper Division Related Area Course	3	C
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Upper Division Elective	3	
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Elective	3	
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Term hours subtotal: 15

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ JUS 4** Elective	3	C	<ul style="list-style-type: none"> <li>• For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499</li> </ul>
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Upper Division Related Area Course	3	C
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Upper Division Elective	3	
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Complete 2 courses: Elective	6	
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Term hours subtotal: 15

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- All Justice Studies students must complete nine upper-division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below, as well as upper-division courses from non-English language disciplines. No more than two courses can be used from a single discipline and at least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Hide Course List(s)/Track Group(s)

Related Area Courses
AFR Upper Division Elective
AIS Upper Division Elective
APA Upper Division Elective
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ASB Upper Division Elective
ASM Upper Division Elective
CDE Upper Division Elective
COM Upper Division Elective
CRJ Upper Division Elective
ECN Upper Division Elective
ENG Upper Division Elective
FAS Upper Division Elective
FMS Upper Division Elective
GCU Upper Division Elective
GPH Upper Division Elective
HST Upper Division Elective
IED Upper Division Elective
MHL Upper Division Elective
PHI Upper Division Elective
POS Upper Division Elective
PSY Upper Division Elective
REL Upper Division Elective

SGS Upper Division Elective

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SOC Upper Division Elective

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SST Upper Division Elective

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TCL Upper Division Elective

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THE Upper Division Elective

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WST Upper Division Elective

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Justice Studies, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LAJUSBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 <b>JUS 105: Introduction to Justice Studies (SB)</b>	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	9		
Term 2 - A 16 - 23 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
JUS 210: Introduction to Ethnic Studies in the U.S. (C) OR JUS 214:			
 The Pursuit of Justice in the 21st Century (SB) OR JUS 235: Disability, Justice and Advocacy (C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 30 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JUS Elective	3	C	
Science and Society Elective	3	C	
Elective	3		

Term hours subtotal: 9

Term 3 - B 39 - 45 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 45 - 54 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ JUS 303: Justice Theory (L)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	9		

Term 4 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 301: Writing for the Professions (L)	3	C	• Explore an <b>internship</b> .
Elective	3		
Term hours subtotal:	6		

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JUS 301: Research in Justice Studies (SB)	3		• Develop your <b>professional online presence</b>
Upper Division Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	9		

Term 5 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JUS 302: Statistical Analysis for Justice Studies (CS)	3		
Elective	3		
Term hours subtotal:	6		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JUS 3** Elective	3	C	• For JUS 3** Elective, students cannot use JUS 301, 302, 303, or 305.
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 6 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ JUS 3** Elective	3	C	• For JUS 3** Elective, students cannot use JUS 301, 302, 303, or 305.
Upper Division Related Area Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 6

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	• For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.
Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	• For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499. • Gather professional references
Upper Division Related Area Course	3	C	
Term hours subtotal:	6		

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	• For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		• For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.
Elective	3		
Term hours subtotal:	6		

- All Justice Studies students must complete nine upper-division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below, as well as upper-division courses from non-English language disciplines. No more than two courses can be used from a single discipline and at least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses
AFR Upper Division Elective
AIS Upper Division Elective
APA Upper Division Elective

ARS Upper Division Elective

ASB Upper Division Elective

ASM Upper Division Elective

CDE Upper Division Elective

COM Upper Division Elective

CRJ Upper Division Elective

ECN Upper Division Elective

ENG Upper Division Elective

FAS Upper Division Elective

FMS Upper Division Elective

GCU Upper Division Elective

GPH Upper Division Elective

HST Upper Division Elective

IED Upper Division Elective

MHL Upper Division Elective

PHI Upper Division Elective

POS Upper Division Elective

PSY Upper Division Elective

REL Upper Division Elective

SGS Upper Division Elective

SOC Upper Division Elective

TCL Upper Division Elective

THE Upper Division Elective

WST Upper Division Elective

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Mathematics, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAMATBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS) OR CSE 100: Principles of Programming with C++ (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Field	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3
Natural Science - Quantitative (SQ)	4
❖ Complete First-Year Composition requirement.	
Complete Mathematics (MA) requirement.	
Maintain 2.50 GPA in Critical Tracking Courses.	
Term hours subtotal:	15

- PHY 121/PHY 122 and/or MSE 208 are recommended to satisfy the Natural Science - Quantitative (SQ) requirement as they also satisfy Related Field requirements.

Term 4 45 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Develop your <i>skills</i>.</li> </ul>
❖ MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 61 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
Complete 2 courses: Related Field	6	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Course in the Major (ACT, DAT, MAT or STP)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Meet with a career counselor from ASU Career Services for a review of your <i>resume</i> and <i>interviewing</i> tips for success.</li> <li>• Use Handshake to research <i>employment opportunities</i></li> <li>• PHI 103 is recommended for the Literacy and Critical Inquiry (L) requirement.</li> </ul>
Related Field	2	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR MAT 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	14		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses: ★ Upper Division Additional Course in the Major (ACT, DAT, MAT or STP)	6	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> </ul>

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
<hr/>	
Complete 2 courses:	
Upper Division Elective	6
<hr/>	
Term hours subtotal:	15

- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
- Develop your **professional online presence**.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Course in the Major (ACT, DAT, MAT or STP)	4	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Meet with your academic advisor for final degree check and apply for graduation through your My ASU.</li> </ul>
★ Additional Course in the Major (ACT, DAT, MAT or STP)	2	C	
<hr/>			
Complete 3 courses:			
Upper Division Elective	8		
<hr/>			
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

Additional Course in the Major (ACT, MAT or STP)	Related Field
ACT Upper Division Elective	ACT Upper Division Elective
DAT Upper Division Elective	AST Upper Division Elective
MAT 243: Discrete Mathematical Structures	BCH 4** Elective
MAT 274: Elementary Differential Equations (MA) or MAT 275: Modern Differential Equations (MA)	BME Upper Division Elective
MAT Upper Division Elective	CEE Upper Division Elective
STP 4** Elective	CHE Elective
	CHM 341: Elementary Physical Chemistry
	CHM 343: Elementary Physical Chemistry Laboratory
	CHM 345: Physical Chemistry I
	CHM 346: Physical Chemistry II
	CHM 348: Physical Chemistry Laboratory I (L)
	CHM 349: Physical Chemistry Laboratory II (L)
	CHM 453: Inorganic Chemistry
	CHM 460: Biological Chemistry
	CHM 471: Solid-State Chemistry
	CIS 2** Elective
	CIS Upper Division Elective

CSE Elective
DAT Upper Division Elective
ECN Upper Division Elective
EEE Elective
FIN Upper Division Elective
GLG 418: Geophysics
GLG 419: Geodynamics
GLG 470: Hydrogeology
GLG 481: Geochemistry
IEE Upper Division Elective
MAE Elective
MAT 243: Discrete Mathematical Structures
MAT 274: Elementary Differential Equations (MA) or MAT 275: Modern Differential Equations (MA)
MAT Upper Division Elective
MSE Elective
PHI 333: Symbolic Logic
PHI 413: Advanced Symbolic Logic
PHY 121: University Physics I: Mechanics (SQ)
PHY 122: University Physics Laboratory I (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)
PHY 132: University Physics Laboratory II (SQ)
PHY 150: Physics I (SQ)
PHY 151: Physics II (SQ)
PHY 2** Elective
PHY Upper Division Elective
STP Upper Division Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Mathematics, BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAMATBS




Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Elective	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.</li> <li>PHI 103 Principles of Sound Reasoning is recommended to satisfy the Literacy and Critical Inquiry (L) requirement.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>PHY 121/PHY 122 and/or MSE 208 is recommended to satisfy the Natural Science - Quantitative (SQ) requirement as they also satisfy Related Field requirements.</li> </ul>
 MAT 275: Modern Differential Equations (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	2		
 Complete First-Year Composition requirement.			



Complete Mathematics (MA) requirement.





Maintain 3.00 GPA in Critical Tracking Courses.





Term hours subtotal: 16


- Meet with your academic advisor to discuss summer **internship** and/or Research Opportunities for Undergraduates (REU)

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.</li> <li>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Completion of MAT 300 with a B or better by the end of this term is strongly correlated with success in this major and meets prerequisites to continue with MAT 371 in the next term.</li> </ul>
 MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
Science and Society Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• MAT 275 highly recommended.</li> </ul>
Upper Division Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Additional Courses in the Major (ACT, DAT, MAT, STP)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 Upper Division Depth Course	3	C	
Related Field	3	C	
Upper Division Elective OR MAT 484: Internship	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Additional Courses in the Major (ACT, DAT, MAT, STP)	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by an academic advisor in the School of Mathematical and Statistical Sciences.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
 Upper Division Advanced Courses	3	C	
 Upper Division Depth Course	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ Upper Division Advanced Courses	3	C
Related Field	4	C
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	13	

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Upper-division MAT/STP courses should be taken through the Tempe campus unless approved by a SoMSS advisor
- Meet with your academic advisor for final degree check and apply for graduation through your [My ASU](#).

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Advanced Courses	Depth Courses	Related Field
ACT 4** Elective	ACT 440: Long-Term Actuarial Mathematics I	ACT 410: Mathematics of Finance
DAT 401: Statistical Modeling and Inference for Data Science	ACT 441: Long-Term Actuarial Mathematics II	ACT 415: Probability for Risk Management
DAT 402: Statistical Learning	ACT 450: Actuarial Models and Modeling I	ACT 430: Mathematics of Financial Derivatives
MAT 372: Advanced Calculus II	ACT 451: Actuarial Models and Modeling II	ACT 450: Actuarial Models and Modeling I
MAT 410: Introduction to General Topology	MAT 410: Introduction to General Topology	ACT 451: Actuarial Models and Modeling II
MAT 412: Differential Geometry	MAT 412: Differential Geometry	BCH 4** Elective
MAT 415: Introduction to Combinatorics	MAT 415: Introduction to Combinatorics	BME Upper Division Elective
MAT 416: Graph Theory	MAT 416: Graph Theory	CEE Upper Division Elective
MAT 419: Introduction to Linear Optimization (CS)	MAT 423: Numerical Analysis I (CS)	CHE Elective
MAT 420: Scientific Computing	MAT 425: Numerical Analysis II (CS)	CHM 341: Elementary Physical Chemistry
MAT 421: Applied Computational Methods (CS)	MAT 442: Advanced Linear Algebra	CHM 343: Elementary Physical Chemistry Laboratory
MAT 423: Numerical Analysis I (CS)	MAT 444: Intermediate Abstract Algebra	CHM 345: Physical Chemistry I
MAT 425: Numerical Analysis II (CS)	MAT 447: Cryptography I	CHM 346: Physical Chemistry II
MAT 440: Group Theory	MAT 448: Cryptography II	CHM 348: Physical Chemistry Laboratory I (L)
MAT 441: Ring Theory	MAT 472: Intermediate Real Analysis I	CHM 349: Physical Chemistry Laboratory II (L)
MAT 442: Advanced Linear Algebra	MAT 473: Intermediate Real Analysis II	
MAT 443: Introduction to Abstract Algebra	MAT 475: Differential Equations	CHM 453: Inorganic Chemistry
MAT 444: Intermediate Abstract Algebra	MAT 476: Partial Differential Equations	CHM 460: Biological Chemistry
MAT 445: Theory of Numbers	STP 425: Stochastic Processes	CHM 471: Solid-State Chemistry
MAT 447: Cryptography I	STP 427: Mathematical Statistics	CIS 2** Elective
		CIS Upper Division Elective



MAT 448: Cryptography II

MAT 451: Mathematical Modeling (CS)

MAT 452: Introduction to Chaos and Nonlinear Dynamics

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 476: Partial Differential Equations

STP 420: Introductory Applied Statistics (CS)

STP 421: Probability

STP 425: Stochastic Processes

STP 427: Mathematical Statistics

STP 429: Applied Regression (CS)

CSE Elective

ECN Upper Division Elective

DAT Upper Division Elective

EEE Elective

FIN Upper Division Elective

GLG 418: Geophysics

GLG 419: Geodynamics

GLG 470: Hydrogeology

GLG 481: Geochemistry

IEE Upper Division Elective

MAE Elective

MAT Upper Division Elective

MSE Elective

PHI 333: Symbolic Logic

PHI 413: Advanced Symbolic Logic

PHY 121: University Physics I: Mechanics (SQ)

PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)

PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

PHY 2\*\* Elective

PHY Upper Division Elective

STP Upper Division Elective

Additional Course in the major (ACT, DAT, MAT, STP)

ACT Upper Division Elective

DAT Upper Division Elective

MAT 243: Discrete Mathematical Structures

MAT 274: Elementary Differential Equations (MA) or MAT 275: Modern Differential Equations (MA)

MAT Upper Division Elective

STP Upper Division Elective

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Mathematics (Secondary Education), BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAMATSBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 207: Algebra and Geometry in the High School	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
 MTE 210: Mentored Tutoring Internship	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 208: Discrete Mathematics for Secondary Teachers	3	C	<ul style="list-style-type: none"> <li>GCU 113 satisfies the US and AZ constitution requirement needed for teacher certification.</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Critical Tracking Courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		
Term 3 32 - 49 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)</li> </ul>
 MTE 250: Technology and Mathematical Visualization	3	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

❖ Complete First-Year Composition requirement.

❖ Maintain 3.00 GPA in Critical Tracking Courses.

Complete Mathematics (MA) requirement.

Term hours subtotal: 17

Term 4 49 - 64 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>Apply for an Identity Verified Print (IVP) fingerprint clearance card. This is required by AZ state law for participation in internships in 6-12 grade schools.</li> <li>Upper-division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
❖ MAT 310: Introduction to Geometry	3	C	
❖ MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
❖ MTE 320: Conceptual Foundations of 7-12 Mathematics Curricula and Assessment	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
❖ Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 64 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>Meet with your advisor early in the semester to submit an intent to progress form that notifies the Teacher's College that you will be ready to enroll in your first internship the following term. You will upload a copy of your IVP fingerprint card with this form. Teacher's College will then invite you to attend a mandatory Professional Pathways Orientation.</li> <li>Upper-division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> </ul>
★ MTE 430: The Development of Mathematical Thinking	3	C	
★ STP 420: Introductory Applied Statistics (CS)	3	C	
MAT OR STP Upper Division Elective ( MAT 274 OR MAT 275 recommended)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
★ Milestone: Complete online Intent to Progress form (meet with advisor).			
★ Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3		<ul style="list-style-type: none"> <li>During your clinical experience internships, you will work alongside a lead teacher in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 6-8.</li> <li>Upper-division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
★ MAT 415: Introduction to Combinatorics OR MAT 416: Graph Theory	3	C	
★ SED 398: Clinical Experience	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Upper Division Science and Society Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 95 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTE 482: Methods of Teaching Mathematics in Secondary School	3	C	<ul style="list-style-type: none"> <li>• Students seeking teacher certification must pass required educator <b>exams</b>. Please speak with your Teachers College advisor to plan appropriately.</li> <li>• Upper-division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
★ RDG 323: Literacy Processes in Content Areas	3		
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	C	
MAT 441: Ring Theory OR MAT 445: Theory of Numbers OR MAT 440: Group Theory	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> <li>• Your student teaching residency requires a full time commitment in a 6-12 grade classroom for the semester.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Mathematics (Statistics), BS





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAMATTBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming (CS)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a></li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Elective	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		





Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		



Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>STP and upper-division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>PHI 103 is recommended to satisfy the Literacy and Critical Inquiry (L) general studies requirement</li> </ul>
 STP 420: Introductory Applied Statistics (CS)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			





Maintain 3.00 GPA in Critical Tracking Courses.



Term hours subtotal: 14

- Meet with your academic advisor to discuss summer **internship** and/or Research Opportunities for Undergraduates (REU)

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 300: Mathematical Structures (L)	3	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.</li> <li>• STP and upper-division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor</li> </ul>
 MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
 STP 429: Applied Regression (CS)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 371: Advanced Calculus I	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• STP and upper-division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor</li> </ul>
STP 421: Probability	3	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 STP 427: Mathematical Statistics	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• STP and upper-division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• Develop your <b>professional online presence</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
 MAT or STP Advanced Course	3	C	
Related Field Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR MAT 484: Internship	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division MAT or STP Advanced Course	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> <li>• STP and upper-division MAT courses should be taken through the Tempe campus, unless approved by a SoMSS advisor</li> <li>• Gather <b>professional references</b>.</li> </ul>
Upper Division Science and Society Elective	3	C	
Related Field Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division MAT or STP Advanced Course	3	C	<ul style="list-style-type: none"> <li>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.</li> </ul>
Related Field Course	4	C	
Upper Division Elective	3		



Complete 2 courses:	5
Elective	
Term hours subtotal:	15

- STP and upper-division MAT courses should be taken through the Tempe campus, unless approved by an SoMSS advisor
- Meet with your academic advisor for final degree check and apply for graduation through [My ASU](#).
- Apply for [full-time career opportunities](#).

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Related Field Course	MAT or STP Advanced Course
ACT Upper Division Elective	ACT 430: Mathematics of Financial Derivatives
AST Upper Division Elective	ACT 435: Statistics for Risk Modeling
BCH 4** Elective	ACT 450: Actuarial Models and Modeling I
BME Upper Division Elective	ACT 451: Actuarial Models and Modeling II
CEE Upper Division Elective	MAT 275: Modern Differential Equations (MA)
CHE Elective	MAT 372: Advanced Calculus II
CHM 341: Elementary Physical Chemistry	MAT 420: Scientific Computing
CHM 343: Elementary Physical Chemistry Laboratory	MAT 421: Applied Computational Methods (CS)
CHM 345: Physical Chemistry I	MAT 423: Numerical Analysis I (CS)
CHM 346: Physical Chemistry II	MAT 442: Advanced Linear Algebra
CHM 348: Physical Chemistry Laboratory I (L)	MAT 472: Intermediate Real Analysis I
CHM 349: Physical Chemistry Laboratory II (L)	STP 4** Elective
CHM 453: Inorganic Chemistry	
CHM 460: Biological Chemistry	
CHM 471: Solid-State Chemistry	
CIS 2** Elective	
CIS Upper Division Elective	
CSE Elective	
DAT 301: Exploring Data in R and Python	
DAT 402: Statistical Learning	
ECN Upper Division Elective	
EEE Elective	

FIN Upper Division Elective

GLG 418: Geophysics

GLG 419: Geodynamics

GLG 470: Hydrogeology

GLG 481: Geochemistry

IEE Upper Division Elective

MAE Elective

MAT Upper Division Elective

MSE Elective

PHI 333: Symbolic Logic

PHI 413: Advanced Symbolic Logic

PHY 121: University Physics I: Mechanics  
(SQ)

PHY 122: University Physics Laboratory I  
(SQ)

PHY 131: University Physics II: Electricity  
and Magnetism (SQ)

PHY 132: University Physics Laboratory II  
(SQ)

PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

PHY 2\*\* Elective

PHY Upper Division Elective

STP Upper Division Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Microbiology, BS





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAMICBS



Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>LIA 101, ASU 101, or college-specific First-Year Seminar required of all first-year students</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		




Term 2 15 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a student <a href="#">organization</a></li> <li>Activate your <a href="#">Handshake account</a> and build out your profile.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <a href="#">Pre-Health 101 Session</a></li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		




Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 this term. See the <a href="#">pre-health website</a> for more information</li> <li>If CHM 231 and 235 are taken, then BCH 361 and 367 must be taken the following semester</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>It is not recommended to take more than two lab courses in a term.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			



Term hours subtotal: 14

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a [Study Abroad 101 Session](#)
- Explore [Minors or Certificates](#)

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 this term. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 231 and 235 were previously taken, then BCH 361 and 367 must be taken this term</li> <li>• If CHM 233 and 237 were previously taken, then CHM 234 and 238 must be taken this term</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MIC 302: Advanced Bacteriology Laboratory (L)	2	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU</li> <li>• Two lab courses are required and may be fulfilled by course requirements in other areas</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> </ul>
 MIC 360: Bacterial Physiology	3	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Upper Division Additional Major Requirements	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Microbiology/Immunology Major Electives	3-4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Students must complete one upper-division elective from the list of Microbiology/Immunology Electives and one upper-division elective from the list of General Biology Electives.</li> <li>• Explore graduate school or <a href="#">full-time employment opportunities</a></li> </ul>
Upper Division Additional Major Requirements	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division General Biology Major Electives	3-4	C	

Upper Division Science and Society Elective	3	C
Complete 3 courses:		
Upper Division Elective	9	
Term hours subtotal:	15-16	

- Apply for full-time career opportunities
- Meet with your advisor to verify remaining degree requirements have been met prior to Term 8

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MIC 401: Research Paper (L)	1	C	
Upper Division Additional Major Requirements	3	C	
Complete 2 courses:			
Upper Division Elective	5		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

- MIC 401 requires the completion of an individualized instruction form and meeting with a faculty reader before the semester begins
- Continue to apply for full-time career opportunities or graduate school

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

General Biology Major Electives	Major Elective	Microbiology/Immunology Major Electives
BIO 302: Cancer--Mother of All Diseases (L)	BIO OR MIC 3** Elective	MBB 445: Techniques in Molecular Biology/Genetics or MIC 445: Techniques in Molecular Biology/Genetics
BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)	BIO OR MIC 4** Elective	MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 446: Techniques in Molecular Biology/Genetics Lab
BIO 320: Fundamentals of Ecology	BMI 465: Introduction to Comparative Genomics	MIC 314: HIV/AIDS: Science, Behavior, and Society
BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	HPS 410: Biomedical Research Ethics (L)	MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations
BIO 345: Evolution	MBB 343: Genetic Engineering and Society (L)	MIC 379: Medical Bacteriology
BIO 351: Developmental Biology	MBB 445: Techniques in Molecular Biology/Genetics	MIC 394: Special Topics
BIO 353: Cell Biology	MBB 446: Techniques in Molecular Biology/Genetics Lab	MIC 421: Experimental Immunology
BIO 360: Animal Physiology	PHI 320: Bioethics (HU)	MIC 441: Bacterial Genetics
BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L)		MIC 442: Bacterial Genetics Laboratory
BMI 465: Introduction to Comparative Genomics		MIC 484: Internship
		MIC 485: General Virology
Additional Major Requirements		

BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging

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BIO 484: Internship or MIC 484: Internship

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BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research

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MBB 445: Techniques in Molecular Biology/Genetics or MIC 445: Techniques in Molecular Biology/Genetics

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MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 446: Techniques in Molecular Biology/Genetics Lab

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MIC 421: Experimental Immunology

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MIC 425: Advanced Immunology

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MIC 441: Bacterial Genetics

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MIC 442: Bacterial Genetics Laboratory

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#### Notes:

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Microbiology (Medical Microbiology), BS



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)




LAMICMBS



Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>LIA 101, ASU 101, or college-specific First-Year Seminar required of all first-year students.</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a student <b>organization</b></li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> <li>Attend a <b>Pre-Health 101 Session</b></li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics OR MBB 347: Molecular Genetics: From Genes to Proteins	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 this term. See the pre-health <a href="#">website</a> for more information</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>It is not recommended to take more than two lab courses in a term.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

- Attend a [Study Abroad 101 Session](#)
- Explore [Minors or Certificates](#)

Term 4 46 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 this term instead of Elective. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	4		
Term hours subtotal:	17		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 353: Cell Biology	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and 113 instead of PHY 101 this term. See the pre-health <a href="#">website</a> for more information.</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad).</li> <li>• Explore graduate school or full-time <a href="#">job opportunities</a>.</li> </ul>
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	4	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Upper Division Elective	4		
Term hours subtotal:	15		

Term 6 78 - 94 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i> BIO 360: Animal Physiology OR HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H) OR MIC 314:			<ul style="list-style-type: none"> <li>• BIO 312 or BIO 416 will satisfy the upper-division Science and Society requirement for The College of Liberal Arts and Sciences.</li> <li>• Pre-health students should take PHY 112 and 114 instead of Elective this term. See the pre-health <a href="#">website</a> for more information</li> <li>• Courses from the Microbes and Biomedicine groups must include at least one course from each category and at least one (1) lab course.</li> <li>• Explore graduate school or full-time <a href="#">opportunities</a>.</li> </ul>
 HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society OR MIC 421: Experimental Immunology OR MIC 379: Medical Bacteriology OR MIC 485: General Virology	5-6	C	
BIO 312: Bioethics (HU) OR BIO 416: Biomedical Research Ethics (L)	3		
Microbes or Biomedicine Course	4-2	C	
Upper Division Elective	1		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16-15		

Term 7 94 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MIC 420: Immunology: Molecular and Cellular Foundations OR BIO 420: Immunology: Molecular and Cellular Foundations	3		<ul style="list-style-type: none"> <li>• Courses from the Microbes and Biomedicine groups must include one (1) lab course</li> </ul>
Microbes or Biomedicine Course	2-4	C	

Upper Division Literacy and Critical Inquiry (L)	3
Complete 2 courses:	6
Upper Division Elective	
Term hours subtotal:	14-16

- Thinking about graduate school? Consider registering for a grad school **test prep course**.
- Use Handshake to research **employment opportunities**
- Meet with your **advisor** to verify remaining degree requirements have been met prior to Term 8

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MIC 401: Research Paper (L)	1	C	<ul style="list-style-type: none"> <li>• Continue to <b>apply</b> for full-time career opportunities or graduate school</li> <li>• MIC 401 requires the completion of an individualized instruction form and meeting with a faculty reader before the semester begins.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C	
Upper Division Elective OR BIO 484: Internship OR MIC 484: Internship	3		
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	12		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

Biomedicine	Microbes
ASB 462: Medical Anthropology: Culture and Health (SB & C)	BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research
BIO 302: Cancer--Mother of All Diseases (L)	MIC 302: Advanced Bacteriology Laboratory (L)
BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L)	MIC 314: HIV/AIDS: Science, Behavior, and Society
BIO 345: Evolution	MIC 360: Bacterial Physiology
BIO 351: Developmental Biology	MIC 379: Medical Bacteriology
BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging	MIC 425: Advanced Immunology
MIC 445: Techniques in Molecular Biology/Genetics or MBB 445: Techniques in Molecular Biology/Genetics	MIC 441: Bacterial Genetics
MIC 446: Techniques in Molecular Biology/Genetics Lab or MBB 446: Techniques in Molecular Biology/Genetics Lab	MIC 442: Bacterial Genetics Laboratory
MIC 494: Biotechnology Viruses as Tools or BIO 494: Biotechnology Viruses as Tools	MIC 485: General Virology
	MIC 492: Honors Directed Study or BIO 492: Honors Directed Study or MBB 492: Honors Directed Study
	MIC 494: Human Pathogenic Viruses

**Notes:**

- - **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Molecular Biosciences and Biotechnology, BS




School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)




LAMBBBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>LIA 101, ASU 101, or college-specific First-Year Seminar required of all first-year students.</li> <li>Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
 STP 231: Statistics for Life Science (CS)	3	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	15		
Term 2 15 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student organization</b></li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> <li>Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>Attend a <b>Pre-Health 101 Session</b></li> <li>Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement</li> </ul>
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 32 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MBB 347: Molecular Genetics: From Genes to Proteins	4	C	<ul style="list-style-type: none"> <li>Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235 this term. See pre-health <b>website</b> for more information</li> <li>If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>It is not recommended to take more than two lab courses in a term.</li> </ul>
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a [Study Abroad 101 Session](#)
- Explore [Minors or Certificates](#)

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MBB 343: Genetic Engineering and Society (L)	4	C	<ul style="list-style-type: none"> <li>• Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See the pre-health <a href="#">website</a> for more information</li> <li>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester</li> <li>• MBB 343 will be used to satisfy the upper-division Science and Society credit for The College.</li> <li>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)</li> <li>• Meet with the <a href="#">Career &amp; Professional Development Center</a> to learn how to develop professional skills</li> </ul>
 MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	14		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MBB 484: Internship OR MBB 492: Honors Directed Study OR MBB 495: Undergraduate Research	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101. See pre-health <a href="#">website</a> for more information</li> <li>• MBB 484 or MBB 492 or MBB 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own</li> <li>• Meet with your <a href="#">advisor</a> to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 MBB 484: Internship OR MBB 492: Honors Directed Study OR MBB 495: Undergraduate Research	3	C	<ul style="list-style-type: none"> <li>• Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See pre-health <a href="#">website</a> for more information</li> <li>• MBB 484 or MBB 492 or MBB 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own</li> </ul>
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	4	C	
Upper Division Science and Society Elective	3	C	
Elective	4		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 14

- Use Handshake to research **employment opportunities**
- Explore graduate school or full-time opportunities

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MBB 490: Capstone: Issues in Biotechnology (L)	2	C	<ul style="list-style-type: none"> <li>• MBB 490 is a fall only course and can be taken before or after MBB 491 in a student's final year.</li> <li>• <b>Explore</b> or apply for full-time career opportunities or graduate school</li> <li>• Meet with your <b>advisor</b> to verify remaining degree requirements have been met prior to Term 8</li> </ul>
Upper Division Major Electives	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses:	7		
Upper Division Elective			
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ MBB 491: Capstone: Issues in Molecular Biosciences (L)	2	C	<ul style="list-style-type: none"> <li>• MBB 491 is a spring only course and can be taken before or after MBB 490 in a student's final year.</li> <li>• Continue to <b>apply</b> for full-time career opportunities or graduate school</li> </ul>
Upper Division Major Electives	4	C	
Upper Division Elective	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

##### Major Electives

BIO 308: Plant Physiology

BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)

BIO 357: Cell and Molecular Biology Laboratory

BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging

BIO 415: Statistical Models for Biology (CS)

BIO 439: Computing for Research

BIO 494: Biotechnology Viruses as Tools

MBB 350: Applied Genetics

MBB 440: Functional Genomics or BIO 440:  
Functional Genomics

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MBB 445: Techniques in Molecular  
Biology/Genetics AND MBB 446: Techniques  
in Molecular Biology/Genetics Lab or MIC  
445: Techniques in Molecular  
Biology/Genetics AND MIC 446: Techniques  
in Molecular Biology/Genetics Lab

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MIC 302: Advanced Bacteriology Laboratory  
(L)

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MIC 420: Immunology: Molecular and  
Cellular Foundations or BIO 420:  
Immunology: Molecular and Cellular  
Foundations AND MIC 421: Experimental  
Immunology

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MIC 441: Bacterial Genetics AND MIC 442:  
Bacterial Genetics Laboratory

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Neuroscience, BS

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)



LABMENBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your Career Interest Communities and play <a href="#">me3@ASU</a>.</li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
 NEU 101: Introduction to Neuroscience	3	C	
BIO 181: General Biology I (SQ)	4	C	
MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
Term hours subtotal:	14-15		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Secure a <a href="#">part-time job</a> or volunteer experience.</li> </ul>
BIO 182: General Biology II (SG)	4	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Explore an internship.</li> <li>Pursue <a href="#">research opportunities</a>.</li> </ul>
NEU 294: Design and Statistics for Neuroscience OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			



Complete First-Year Composition requirement.



Term hours subtotal: 16

Term 4 46 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
Science and Society Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	16		

Term 5 62 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Major Track Electives	3	C	<ul style="list-style-type: none"> <li>For the Upper Division Major Track Electives, one course is required from each of three of the four tracks of study, with additional electives from any of the tracks to complete the 21 required total hours.</li> <li>The College of Liberal Arts and Sciences' Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) track coursework must be completed through courses offered by The College of Liberal Arts and Sciences.</li> </ul>
Upper Division Science and Society Elective	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b></li> <li>Draft a <b>resume</b></li> <li>Gather <b>professional references</b></li> </ul>
Upper Division Major Track Electives	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			<ul style="list-style-type: none"> <li>Apply for <b>graduate school</b>.</li> </ul>
Upper Division Major Track Electives	6	C	
Upper Division Elective	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			<ul style="list-style-type: none"> <li>Apply for full-time <b>career opportunities</b>.</li> </ul>
Upper Division Major Track Electives	6	C	
Upper Division Elective	3		
Elective	4-5		

Term hours subtotal: 13-14

- One course is required from each of three of the four tracks of study, with additional electives from any of the tracks to complete the 21 required total hours.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Behavioral Neuroscience	Cellular and Molecular Neuroscience	Cognitive Neuroscience
BIO 477: Systems and Behavioral Neuroscience	BIO 327: Evolution of Human Behavior	NEU 394: Fundamentals of Cognitive Neuroscience
NEU 307: Your Brain on Drugs	BIO 331: Animal Behavior	NEU 394: Neuroimaging Methods
NEU 394: Biopsychology	BIO 360: Animal Physiology	NEU 394: Neuroscience of Perception
NEU 394: Neuroscience of Learning and Motivation	BIO 435: Research Techniques in Animal Behavior	NEU 494: Cognitive Neuroscience of Memory
NEU 494: Anatomy of the Nervous System	BIO 436: Sociobiology and Behavioral Ecology	NEU 494: Neuroscience of Social Cognition
NEU 494: Brain and Emotion	BIO 465: Neurophysiology	NEU 494: Visual Cognitive Neuroscience
NEU 494: Developmental and Behavioral Neuroendocrinology	BIO 467: Neurobiology	SHS 367: Language Science (SB)
NEU 494: Neural Basis of Learning and Memory	BIO 476: Cellular and Molecular Neuroscience	SHS 485: Acquired Speech and Language Disorders
NEU 494: Neuroeconomics	BIO 494: Biotechnology Viruses as Tools	
NEU 494: Neuropharmacology of Psychiatric Medications	BIO 494: Genetics and Genomics of Behavior	
	BIO 494: Neurobiology of Attachment	
	BIO 494: Neurodevelopment	
Systems and Computational Neuroscience		
BIO 355: Introduction to Computational Molecular Biology (CS)		
BIO 439: Computing for Research		
BIO 477: Systems and Behavioral Neuroscience		
BIO 494: Data Analysis in Neuroscience		
BME 316: Biomechanics for Biomedical Engineers		
BME 350: Signals and Systems for Bioengineers		
BME 360: Control in Biological Systems		

BME 416: Advanced Biomechanics

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BME 465: Magnetic Resonance Imaging

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KIN 424: Neural Aspects of Movement and Rehabilitation

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MAT 451: Mathematical Modeling (CS)

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MAT 494: Mathematical Neuroscience

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SHS 310: Anatomical and Physiological Bases of Speech

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Neuroscience, BS



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)

LABMENBS



Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ASU 101-LA: The ASU Experience	1		
BIO 181: General Biology I (SQ)	4	C	
Term hours subtotal:	8		
Term 1 - B 8 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NEU 101: Introduction to Neuroscience	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your Career Interest Communities and play <a href="#">me3@ASU</a>.</li> <li>Join a student club or <a href="#">professional organization</a>.</li> </ul>
MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA)	3	C	
Term hours subtotal:	6		
Term 2 - A 14 - 21 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
BIO 182: General Biology II (SG)	4	C	
Term hours subtotal:	7		
Term 2 - B 21 - 27 Credit Hours	Hours	Minimum Grade	Notes
PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Participate in a <a href="#">volunteer experience</a>.</li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Take advantage of <a href="#">online tutoring resources</a>.</li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		

Term hours subtotal: 7



Term 3 - B 34 - 40 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
NEU 294: Design and Statistics for Neuroscience OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	6		


Term 4 - A 40 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
Science and Society Elective	3	C	
Term hours subtotal:	7		

Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		• Participate in an <b>internship</b>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Upper Division Major Track Electives	3	C	<ul style="list-style-type: none"> <li>• For the Upper Division Major Track Electives, one course is required from each of three of the four tracks of study, with additional electives from any of the tracks to complete the 21 required total hours.</li> <li>• The College of Liberal Arts and Sciences' Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) track coursework must be completed through courses offered by The College of Liberal Arts and Sciences.</li> </ul>
Upper Division Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 59 - 65 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		• Take advantage of <b>career resources</b>
Term hours subtotal:	6		

Term 6 - A 65 - 71 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Major Track Electives	6	C	• Draft a <b>resume</b>
Term hours subtotal:	6		

Term 6 - B 71 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 77 - 83 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses:

Upper Division Major Track Electives

6

C

• Use Handshake to research employment opportunities

Term hours subtotal: 6

Term 7 - B 83 - 89 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:

Elective

6

Term hours subtotal: 6

Term 8 - A 89 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses:

Upper Division Major Track Electives

6

C

Term hours subtotal: 6

Term 8 - B 95 - 101 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:

Upper Division Elective

6

• Gather professional references

Term hours subtotal: 6

Term 9 - A 101 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Elective

3

• Apply for graduate school

Elective

3

Term hours subtotal: 6

Term 9 - B 107 - 113 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses:

Elective

6

Term hours subtotal: 6

Term 10 - A 113 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 3 courses:

Elective

7-8

• Apply for full-time career opportunities

Term hours subtotal: 7-8

- One course is required from each of three of the four tracks of study, with additional electives from any of the tracks to complete the 21 required total hours.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses

(i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Behavioral Neuroscience	Cellular and Molecular Neuroscience	Cognitive Neuroscience
BIO 477: Systems and Behavioral Neuroscience	BIO 331: Animal Behavior	NEU 394: Fundamentals of Cognitive Neuroscience
NEU 307: Your Brain on Drugs	BIO 360: Animal Physiology	NEU 394: Neuroimaging Methods
NEU 394: Biopsychology	BIO 467: Neurobiology	NEU 394: Neuroscience of Perception
NEU 394: Neuroscience of Learning and Motivation	BIO 476: Cellular and Molecular Neuroscience	NEU 494: Cognitive Neuroscience of Memory
NEU 494: Anatomy of the Nervous System		SHS 367: Language Science (SB)
NEU 494: Brain and Emotion		SHS 485: Acquired Speech and Language Disorders
Systems and Computational Neuroscience		
BIO 439: Computing for Research		
BIO 477: Systems and Behavioral Neuroscience		
SHS 310: Anatomical and Physiological Bases of Speech		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)



- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map




### Philosophy, BA




School/College: [The College of Liberal Arts and Sciences](#)


Location: [Tempe campus](#)

LAPHIBA

Accelerated options for this program are not currently available to ASU Online students.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
PHI Elective	3	C	
Elective	2		
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> <li>If interested in law school, review the <a href="#">Pre-Law at ASU</a> website.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if the G requirement has not already been satisfied through other coursework.</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		

Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
Elective	3
❗ Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	14

- Explore opportunities to **study abroad**.

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ PHI 103: Principles of Sound Reasoning (L or HU)	3	C	<ul style="list-style-type: none"> <li>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 300: Philosophical Argument and Exposition (L)	3	C	<ul style="list-style-type: none"> <li>• Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> <li>• Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied with major courses.</li> <li>• Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, meet with an academic advisor.</li> </ul>
★ Upper Division History of Philosophy	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Elective OR PHI 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 333: Symbolic Logic OR PHI 413: Advanced Symbolic Logic	3	C	<ul style="list-style-type: none"> <li>• Consider participating in an <b>Undergraduate Research Experience</b> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <b>Humanities Lab</b>.</li> <li>• Explore <b>graduate school</b> opportunities.</li> <li>• If planning to attend law school, prepare to take the <b>LSAT</b>.</li> </ul>
★ Upper Division History of Philosophy	3	C	
PHI 313: Probability, Evidence, and Decision OR PHI 314: Philosophy of Science (HU) OR PHI 330: Theory of Knowledge (HU)	3	C	
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ 4** Philosophy Seminar Course	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
PHI 335: History of Ethics (HU) OR PHI 336: Social and Political Philosophy (HU) OR PHI 337: Ethical Theory (HU) OR PHI 338: Metaethics	3	C	

Upper Division Elective	3
Complete 2 courses: Elective	6
Term hours subtotal:	15

- Attend **career fairs, workshops and related events** offered by Career and Professional Development Services.

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 331: Philosophy of Language (HU) OR PHI 332: Metaphysics (HU) OR PHI 334: Philosophy of Mind (HU)	3	C	<ul style="list-style-type: none"> <li>• Take advantage of mock interview opportunities and assistance with writing <b>resumes and cover letters</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
★ 4** Philosophy Seminar Course	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- At least 12 upper-division hours in the major (PHI) must be in courses offered by The College of Liberal Arts and Sciences.
- PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

Hide Course List(s)/Track Group(s)

History of Philosophy	400-Level (4**) Philosophy Seminar Course
PHI 328: History of Ancient Philosophy (HU & H)	PHI 401: Rationalism
PHI 329: History of Modern Philosophy (HU & H)	PHI 402: Empiricism (HU)
PHI 401: Rationalism	PHI 403: Contemporary Analytic Philosophy (HU)
PHI 402: Empiricism (HU)	PHI 405: Moral Psychology
PHI 403: Contemporary Analytic Philosophy (HU)	PHI 408: Feminist Ethics (HU)
	PHI 413: Advanced Symbolic Logic
	PHI 420: Topics in Philosophy

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for  
Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map







### Philosophy, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LAPHIBA

Accelerated options for this program are not currently available to ASU Online students.



Term 1 - A 0 - 6 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required of all first-year students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-LA: The ASU Experience	1		
Elective	2		
Term hours subtotal:	6		
Term 1 - B 6 - 12 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
PHI Elective	3	C	
Term hours subtotal:	6		
Term 2 - A 12 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		
Term 2 - B 19 - 26 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>If interested in law school, review the <a href="#">Pre-Law at ASU</a> website.</li> </ul>
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes



Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C



Computer/Statistics/Quantitative Applications (CS) 3

Term hours subtotal: 7


Term 3 - B 33 - 40 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if G requirement has not already been satisfied through other coursework.</li> <li>Explore opportunities to <b>study abroad</b>. Online students are eligible and encouraged to participate!</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	7		

Term 4 - A 40 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 103: Principles of Sound Reasoning (L or HU)	3	C	<ul style="list-style-type: none"> <li>Explore the <b>Career and Professional Development Services</b> website and arrange a <b>virtual advising</b> session with a career counselor for assistance with career planning and networking.</li> <li>If interested in law school, <b>make an appointment</b> with the pre-law advisor.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		<ul style="list-style-type: none"> <li>Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 5 - A 53 - 59 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 300: Philosophical Argument and Exposition (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - B 59 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329:  History of Modern Philosophy (HU & H) OR PHI 403: Contemporary Analytic Philosophy (HU)	3	C	<ul style="list-style-type: none"> <li>Participate in an <b>internship</b> to gain valuable career experience and contacts. For help exploring internship <b>opportunities related to your major</b>, contact an academic advisor.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 6 - A 66 - 72 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329:  History of Modern Philosophy (HU & H) OR PHI 403: Contemporary Analytic Philosophy (HU)	3	C	

Elective	3
Term hours subtotal:	6

- Consider participating in an **Undergraduate Research Experience** through the School of Historical, Philosophical and Religious Studies.

Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
PHI 314: Philosophy of Science (HU) OR PHI 330: Theory of Knowledge (HU)	3	C	• If planning on law school, prepare to take the <b>LSAT</b> .
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 333: Symbolic Logic	3	C	• Explore <b>graduate school</b> opportunities.
Elective	3		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 335: History of Ethics (HU) OR PHI 336: Social and Political Philosophy (HU) OR PHI 337: Ethical Theory (HU) OR PHI 338: Metaethics	3	C	• View career <b>webinars</b> offered by Career and Professional Development Services.
Elective	3		
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		• Use Handshake to research <b>employment opportunities</b> .
Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 332: Metaphysics (HU) OR PHI 334: Philosophy of Mind (HU)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 420: Topics in Philosophy	3	C	• PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		• Take advantage of mock interview opportunities and assistance with writing <b>resumes and cover letters</b> .
Term hours subtotal:	6		



Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 420: Topics in Philosophy	3	C	<ul style="list-style-type: none"> <li>• PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

- At least 12 upper-division hours in the major (PHI) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map



### Philosophy (Morality, Politics and Law), BA




School/College: [The College of Liberal Arts and Sciences](#)


Location: [Tempe campus](#)

LAPHIMPBA

Accelerated options for this program are not currently available to ASU Online students.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu">me3@ASU</a>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	2		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>If planning to take PHI 333: Symbolic Logic in a later semester, take PHI 103, the prerequisite for PHI 333.</li> <li>Explore opportunities to <b>study abroad</b>.</li> </ul>
 PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Computer/Statistics/Quantitative Applications (CS)	3	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Complete 2 courses: Elective	6	
♦ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	16	

- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.
- If interested in law school, review the [Pre-Law at ASU](#) website.
- Join a [student club](#) or professional organization.

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ♦	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Complete 2 courses: Elective	6	
♦ Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	14	

- If interested in law school, [make an appointment](#) with the pre-law advisor.
- Visit [Career and Professional Development Services](#) and meet with a career advisor for assistance with career planning and networking.

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PHI 300: Philosophical Argument and Exposition (L)	3	C
★ PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H)	3	C
Politics Course	3	C
Upper Division Elective	3	
Elective OR PHI 484: Internship	3	
Term hours subtotal:	15	

- Please see "Politics" course list below.
- Participate in an [internship](#) to gain valuable career experience and contacts. For help exploring internship [opportunities related to your major](#), meet with an academic advisor.

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PHI 335: History of Ethics (HU) OR PHI 337: Ethical Theory (HU)	3	C
★ Upper Division Epistemology, Metaphysics, or Logic Course	3	C
Literacy and Critical Inquiry (L)	3	
Upper Division Elective	3	
Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	15	

- Consider participating in an [Undergraduate Research Experience](#) through the School of Historical, Philosophical and Religious Studies or a research opportunity in the [Humanities Lab](#).
- If planning on law school, prepare to take the [LSAT](#).
- Explore [graduate school](#) opportunities.

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PHI 307: Philosophy of Law (HU) OR PHI 347: Philosophical Theories of Constitutional Law	3	C
★ 4** Philosophy Seminar Course	3	C

- Please see "Ethics" course list below.
- Use [Handshake](#) to research employment opportunities.

Upper Division Ethics Course	3	C
.....		
Complete 2 courses:	6	
Upper Division Elective		
.....		
Term hours subtotal:	15	

- Attend career fairs, workshops and related events offered by Career and Professional Development Services.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Philosophy Seminar Course	3	C	<ul style="list-style-type: none"> <li>• Please see "Law" course list below.</li> <li>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> <li>• Apply for full-time career opportunities.</li> </ul>
.....			
★ Upper Division Law Course	3	C	
.....			
Complete 2 courses:	6		
Upper Division Elective			
.....			
Elective	3		
.....			
Term hours subtotal:	15		

- PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

Hide Course List(s)/Track Group(s)

Epistemology, Metaphysics, or Logic	Ethics	Law
PHI 330: Theory of Knowledge (HU)	PHI 306: Applied Ethics (HU)	HST 321: Constitutional History/US to 1865 (SB & H)
PHI 331: Philosophy of Language (HU)	PHI 310: Environmental Ethics (HU)	HST 322: Constitutional History of the United States Since 1865 (H)
PHI 332: Metaphysics (HU)	PHI 320: Bioethics (HU)	HST 323: Historical Studies in Race, Crime, and the Law
PHI 333: Symbolic Logic	PHI 335: History of Ethics (HU)	JUS 303: Justice Theory (L)
PHI 334: Philosophy of Mind (HU)	PHI 337: Ethical Theory (HU)	JUS 308: Courts and Society
	PHI 338: Metaethics	JUS 360: Law and Social Control (SB)
	PHI 370: Sports Ethics (HU)	JUS 410: Punishment: Logic and Approach
	PHI 405: Moral Psychology	JUS 463: Discretionary Justice (SB)
	PHI 408: Feminist Ethics (HU)	JUS 465: Death Penalty in the United States (L)
	REL 381: Religion and Moral Issues (L or HU)	PHI 307: Philosophy of Law (HU)
		PHI 347: Philosophical Theories of Constitutional Law
		POS 370: Law and Society (SB)
		POS 465: International Organization and Law (SB & G)
		POS 470: Law and the Political Order (SB)
		POS 471: Constitutional Law I (SB)
		POS 472: Constitutional Law II (SB)
Politics	400-Level (4**) Philosophy Seminar Course	

HST 315: Political History of the U. S. (SB & H)	PHI 401: Rationalism
HST 317: History of Postwar U.S. Conservatism or POS 317: History of Postwar U.S. Conservatism	PHI 402: Empiricism (HU)
HST 414: Political History and Leadership or POS 414: Political History and Leadership	PHI 403: Contemporary Analytic Philosophy (HU)
PHI 336: Social and Political Philosophy (HU)	PHI 405: Moral Psychology
POS 210: Political Ideologies (SB)	PHI 408: Feminist Ethics (HU)
POS 340: History of Political Philosophy I (HU & H)	PHI 413: Advanced Symbolic Logic
POS 341: History of Political Philosophy II (HU & H)	PHI 420: Topics in Philosophy
POS 346: Problems of Democracy (HU)	
POS 368: Ethics and Human Rights	
POS 442: American Political Thought (HU)	
REL 319: Religion, Violence and America	
REL 378: Religion, War and Peace (L)	
REL 388: Religion, Ethics, and International Politics or POS 388: Religion, Ethics, and International Politics	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map



### Philosophy (Morality, Politics and Law), BA

School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)



LAPHIMPBA

Accelerated options for this program are not currently available to ASU Online students.

Term 1 - A 0 - 6 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-LA: The ASU Experience	1		
Elective	2		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 1 - B 6 - 12 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Taking a Social-Behavioral Sciences (SB) course that also satisfies Global Awareness (G) is suggested.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Term 2 - A 12 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		

Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>If planning to take PHI 333: Symbolic Logic in a later semester, take PHI 103, the prerequisite for PHI 333.</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).



Maintain 2.00 GPA in Critical Tracking Courses.

Term hours subtotal: 7



second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.



- If interested in law school, review the [Pre-Law at ASU](#) website.


Term 3 - A 26 - 33 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Term hours subtotal:	7		

Term 3 - B 33 - 40 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.</li> <li>• Explore opportunities to <a href="#">study abroad</a>. Online students are eligible and encouraged to participate!</li> </ul>
<a href="#">Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)</a>	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	7		

Term 4 - A 40 - 47 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>• Explore the <a href="#">Career and Professional Development Services</a> website and arrange a <a href="#">virtual advising</a> session with a career counselor for assistance with career planning and networking.</li> <li>• If interested in law school, <a href="#">make an appointment</a> with the pre-law advisor.</li> </ul>
<a href="#">Computer/Statistics/Quantitative Applications (CS)</a>	3		
Term hours subtotal:	7		

Term 4 - B 47 - 54 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<a href="#">Literacy and Critical Inquiry (L)</a>	3		
<a href="#">Natural Science - General (SG) OR Natural Science - Quantitative (SQ)</a>	4		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		

Term 5 - A 54 - 60 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 300: Philosophical Argument and Exposition (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - B 60 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H)	3	C
Elective	3	
Term hours subtotal:	6	

- Consider participating in an [Undergraduate Research Experience](#) through the School of Historical, Philosophical and Religious Studies.

Term 6 - A 66 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PHI 335: History of Ethics (HU) OR PHI 337: Ethical Theory (HU)	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

- Participate in an [internship](#) to gain valuable career experience and contacts. For help exploring [internship opportunities related to your major](#), contact an academic advisor.

Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PHI 330: Theory of Knowledge (HU) OR PHI 332: Metaphysics (HU) OR PHI 333: Symbolic Logic OR PHI 334: Philosophy of Mind (HU)	3	C
Upper Division Elective	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

- If planning on law school, prepare to take the [LSAT](#).

Term 7 - A 78 - 84 Credit Hours	Hours	Minimum Grade	Notes
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Politics Course	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

- Please see "Politics" course list below.
- Explore [graduate school](#) opportunities.

Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PHI 307: Philosophy of Law (HU)	3	C
Elective	3	
Term hours subtotal:	6	

- View career [webinars](#) offered by Career and Professional Development Services.

Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 420: Topics in Philosophy	3	C
Elective	3	
Term hours subtotal:	6	

- PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

Term 8 - B 96 - 102 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Law Course	3	C
Elective	3	
Term hours subtotal:	6	

- Please see "Law" course list below.

Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Ethics Course	3	C
Elective	3	
Term hours subtotal:	6	

- Please see "Ethics" course list below.
- Use [Handshake](#) to research employment opportunities.

		Minimum	
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Term 9 - B 108 - 114 Credit Hours	Hours	Grade	Notes
Complete 2 courses: Upper Division Elective	6		• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 420: Topics in Philosophy	3	C	• PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different. • Apply for full-time career opportunities.
Upper Division Elective	3		
Term hours subtotal:	6		

- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

Ethics	Law	Politics
PHI 306: Applied Ethics (HU)	JUS 303: Justice Theory (L)	PHI 336: Social and Political Philosophy (HU)
PHI 310: Environmental Ethics (HU)	POS 370: Law and Society (SB)	POS 210: Political Ideologies (SB)
PHI 320: Bioethics (HU)	POS 465: International Organization and Law (SB & G)	POS 340: History of Political Philosophy I (HU & H)
PHI 335: History of Ethics (HU)	POS 471: Constitutional Law I (SB)	POS 346: Problems of Democracy (HU)
PHI 337: Ethical Theory (HU)	POS 472: Constitutional Law II (SB)	POS 368: Ethics and Human Rights
PHI 338: Metaethics		POS 442: American Political Thought (HU)
REL 381: Religion and Moral Issues (L or HU)		REL 388: Religion, Ethics, and International Politics or POS 388: Religion, Ethics, and International Politics

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Philosophy (Science, Nature and Mind), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPHISNMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete 2 courses: Elective	5		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Explore opportunities to <b>study abroad</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> <li>If interested in a health career, attend a <b>Pre-Health 101</b> workshop.</li> </ul>
 PHI 103: Principles of Sound Reasoning (L or HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>Choosing a Humanities (HU) course that also satisfies the Historical Awareness (H) requirement is recommended.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		

Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3
Elective	3
❗ Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Maintain 2.00 GPA in Critical Tracking Courses.	
Term hours subtotal:	16

- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.
- If interested in a health career, review the [Pre-Health](#) website.
- If interested in law school, review the [Pre-Law](#) website.
- If planning on a health career, choose electives that satisfy [medical or dental school requirements for admission](#).

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	<ul style="list-style-type: none"> <li>• Choosing a Social Behavioral Sciences (SB) course that also satisfies the Global Awareness (G) requirement is recommended if these requirements have not already been satisfied.</li> <li>• Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> <li>• If interested in a health career, <a href="#">make an appointment</a> with a pre-health advisor.</li> <li>• If interested in law school, <a href="#">make an appointment</a> with the pre-law advisor.</li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
❗ Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 300: Philosophical Argument and Exposition (L)	3	C	<ul style="list-style-type: none"> <li>• Please see "History of Philosophy" course list below.</li> <li>• Participate in an <a href="#">internship</a> to gain valuable career experience and contacts. For help exploring internship <a href="#">opportunities related to your major</a>, meet with an academic advisor.</li> <li>• If planning on a health career, prepare to take <a href="#">entrance exams</a> for professional school.</li> </ul>
★ PHI 314: Philosophy of Science (HU)	3	C	
★ Upper Division History of Philosophy Course	3	C	
Upper Division Elective OR PHI 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHI 333: Symbolic Logic OR PHI 413: Advanced Symbolic Logic	3	C	<ul style="list-style-type: none"> <li>• Please see "Mind" and "Science and Nature" course lists below.</li> <li>• Consider participating in an <a href="#">Undergraduate Research Experience</a> through the School of Historical, Philosophical and Religious Studies or a research opportunity in the <a href="#">Humanities Lab</a>.</li> <li>• If planning on law school, prepare to take the <a href="#">LSAT</a>.</li> <li>• Thinking about graduate school? Consider registering for a grad school <a href="#">test prep course</a>.</li> </ul>
★ PHI 334: Philosophy of Mind (HU)	3	C	
Mind Course OR Science and Nature Course	3	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ 4** (400-Level) Philosophy Seminar Course	3	C	

Upper Division Science and Nature Course	3	C
<i>Complete 2 courses:</i>		
Upper Division Elective	6	
<i>Elective</i>		
Elective	3	
Term hours subtotal:	15	

- Please see "Science and Nature" course list below.
- Use **Handshake** to research employment opportunities.
- Attend **career fairs, workshops and related events** offered by Career and Professional Development Services.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** (400-Level) Philosophy Seminar Course	3	C	
Upper Division Mind Course	3	C	
Upper Division Elective	3		
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	15		

- Please see "Mind" course list below.
- Take advantage of mock interview opportunities and assistance with writing **resumes and cover letters**.
- Apply for **full-time career opportunities**.

- PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

Hide Course List(s)/Track Group(s)

History of Philosophy	Mind	Science and Nature
PHI 328: History of Ancient Philosophy (HU & H)	IAS 410: Evolution of Ideas (L or HU)	FIS 331: Technology and the Modern World
PHI 329: History of Modern Philosophy (HU & H)	PHI 313: Probability, Evidence, and Decision or HPS 313: Probability, Evidence, and Decision	HPS 322: History of Science I (HU & H)
PHI 401: Rationalism	PHI 319: Philosophy, Computing and Artificial Intelligence (CS)	HPS 323: History of Science II (HU & H) or BIO 317: History of Science II (HU & H)
PHI 402: Empiricism (HU)	PHI 330: Theory of Knowledge (HU)	HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)
PHI 403: Contemporary Analytic Philosophy (HU)	PHI 331: Philosophy of Language (HU)	HPS 349: Nature, Sustainability and Religion or JST 349: Nature, Sustainability and Religion or REL 349: Nature, Sustainability and Religion or SOS 349: Nature, Sustainability and Religion
	PHI 405: Moral Psychology	HST 345: Environmental History (L)
	PSY 224: Introduction to Cognitive Neuroscience	MAT 411: History and Philosophy of Mathematics (HU & H)
	PSY 323: Sensation and Perception	PHI 310: Environmental Ethics (HU) or BIO 324: Environmental Ethics (HU)
	PSY 324: Memory and Cognition	PHI 320: Bioethics (HU) or BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU)
	PSY 341: Developmental Psychology (SB)	PHI 322: History and Philosophy of Sustainability or HST 308: History and Philosophy of Sustainability or SOS 309: History and Philosophy of Sustainability
	PSY 434: Cognitive Psychology (L)	PHI 325: Philosophy of Social Science (HU or SB)

PHI 332: Metaphysics (HU)

PHI 409: Eco-Community Ethics (HU) or IAS  
409: Eco-Community Ethics (HU)

SOC 334: Technology and Society (L or SB)  
or ASB 344: Technology and Society (L or  
SB)

SOS 310: Equity, Justice and Sustainability

STS 302: Philosophy of Science and  
Technology (SB)

STS 303: History of Science and Technology  
(H)

STS 306: Social Effects of Science and  
Technology (SB)

STS 331: Ethical Issues in Science and  
Technology (SB)

WST 340: Gender, Science, and Technology  
(SB)

400-Level (4\*\*) Philosophy Seminar Course

PHI 401: Rationalism

PHI 402: Empiricism (HU)

PHI 403: Contemporary Analytic Philosophy  
(HU)

PHI 405: Moral Psychology

PHI 408: Feminist Ethics (HU)

PHI 413: Advanced Symbolic Logic

PHI 420: Topics in Philosophy

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Physics, BA

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAPHYBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA)	3-4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>CHM 114 may be taken in place of CHM 113.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14-15		
Term 2 14 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA)	3-4	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Join a <b>student club or professional organization</b>.</li> </ul>
PHY 150: Physics I (SQ) OR PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14-15		
Term 3 28 - 42 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA)	3-4	C	

⚠️ PHY 151: Physics II (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
⚠️ Maintain 2.00 GPA in Critical Tracking Courses.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:		14-15

Term 4 42 - 59 Credit Hours Critical course signified by ⚠️	Hours	Minimum Grade	Notes
⚠️ PHY 201: Mathematical Methods in Physics I (CS)	3	C	<ul style="list-style-type: none"> <li>• Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
⚠️ PHY 252: Physics III (SQ) OR PHY 241: University Physics III AND PHY 202: Programming for Physicists	4	C	
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
⚠️ Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:		17	

Term 5 59 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ PHY 302: Mathematical Methods in Physics II	3	C	
⭐ PHY 310: Classical Particles, Fields, and Matter I	3	C	
⭐ PHY 314: Quantum Physics I	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:		16	

Term 6 75 - 90 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ PHY 311: Classical Particles, Fields, and Matter II	3	C	<ul style="list-style-type: none"> <li>• Use <a href="#">Handshake</a> to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Physics Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	3		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 90 - 105 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Physics Elective	3	C	
Complete 4 courses:			

Upper Division Elective	12
Term hours subtotal:	15

- Courses other than those in the track list below must be approved by the academic advisor in Physics.
- Meet with your academic advisor for final degree check before registering for final semester.
- Develop your [professional online presence](#)

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		<ul style="list-style-type: none"> <li>• Apply for graduation through <a href="#">My ASU</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Upper Division Physics Elective
PHY 315: Quantum Physics II
PHY 333: Electronic Circuits and Measurements
PHY 334: Advanced Laboratory I (L)
PHY 361: Introductory Modern Physics
PHY 462: Particle and Nuclear Physics
PHY 480: Methods of Teaching Physics
PHY 494: Special Topics
PHY 498: Pro-Seminar

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Physics, BA



School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)



LAPHYBA



Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.</li> <li>Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only those students with no experience with the language may take the 101-level course. All other students are required to take a language placement exam, regardless of prior credit earned.</li> <li>Join a student <a href="#">club</a> or <a href="#">professional organization</a>.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		
Term 2 - B 20 - 28 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:			

Term hours subtotal: 8



Term 3 - A 28 - 35 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>Review the <a href="#">Career Guide for ASU Online students</a> to learn about available career planning resources.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		



Term 3 - B 35 - 43 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	8		

Term 4 - A 43 - 50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 241: University Physics III AND PHY 202: Programming for Physicists	4	C	<ul style="list-style-type: none"> <li>Register for a <a href="#">Handshake</a> account and participate in <a href="#">virtual career advising</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	7		

Term 4 - B 50 - 59 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 201: Mathematical Methods in Physics I (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - A 59 - 68 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 302: Mathematical Methods in Physics II	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - B 68 - 74 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 314: Quantum Physics I	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Term 6 - A 74 - 81 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 310: Classical Particles, Fields, and Matter I	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">professional online presence</a></li> <li>CHM 114 may be taken in place of CHM 113</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
Term hours subtotal:	7		

Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 311: Classical Particles, Fields, and Matter II	3	C	
★ Upper Division Literacy and Critical Inquiry (L) ( PHY 334 recommended)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Physics Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		• Apply for full-time career opportunities.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Physics Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

- Physics Upper Division Electives
- PHY 333: Electronic Circuits and Measurements
- PHY 334: Advanced Laboratory I (L)
- PHY 361: Introductory Modern Physics

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.















## 2021 - 2022 Major Map

### Physics, BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAPHYBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>PHY 121/122 and 131/132 may be used in place of PHY 150 and 151.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 30 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>PHY 121/122 and 131/132 may be used in place of PHY 150 and 151.</li> <li>Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU).</li> </ul>
 PHY 151: Physics II (SQ)	4	C	
Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Maintain 2.50 GPA in Critical Tracking Courses.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 17

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PHY 201: Mathematical Methods in Physics I (CS)	3	C	<ul style="list-style-type: none"> <li>• Activate your <b>Handshake account</b> and build out your profile.</li> <li>• Create a first draft <b>resume</b>.</li> </ul>
⚠ PHY 252: Physics III (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
⚠ Maintain 2.50 GPA in Critical Tracking Courses.			

Term hours subtotal: 16

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	
★ PHY 310: Classical Particles, Fields, and Matter I	3	C	
★ PHY 314: Quantum Physics I	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		

Term hours subtotal: 15

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY 311: Classical Particles, Fields, and Matter II	3	C	<ul style="list-style-type: none"> <li>• Explore <b>graduate programs</b></li> <li>• Prepare for the <b>physics GRE</b></li> </ul>
★ PHY 315: Quantum Physics II	3	C	
★ PHY 334: Advanced Laboratory I (L)	3	C	
Upper Division Science and Society Elective	3	C	
Upper Division Elective OR PHY 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 15

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY 412: Classical Particles, Fields, and Matter III OR PHY 416: Quantum Physics III	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> <li>• Prepare for <b>graduate school</b></li> </ul>
★ PHY 441: Statistical and Thermal Physics	3	C	
PHY 333: Electronic Circuits and Measurements OR PHY 465: Advanced Laboratory II	3	C	
Upper Division Elective	3		
Elective	3		

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PHY Upper Division Elective	3	C	
Complete 3 courses: Elective	9		

Term hours subtotal: 12

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Physics (Secondary Education), BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPHYSEBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar required of all first-year students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
LIA 101: Student Success in The College of Liberal Arts and Sciences	1	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
 Maintain 2.50 GPA in Critical Tracking Courses.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 2 14 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	<ul style="list-style-type: none"> <li>PHY 121/122 and 131/132 may be used in place of PHY 150 and 151</li> <li>Join a <a href="#">student club</a> or professional organization</li> </ul>
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR	3	C	
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
PHY 118: Explorations in Science Teaching	1	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>PHY 121/122 and 131/132 may be used in place of PHY 150 and 151</li> <li>Activate your <a href="#">Handshake account</a> and build out your profile.</li> </ul>
 PHY 151: Physics II (SQ)	4	C	
Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H) (GCU 113 recommended)	3		

Elective 2

❖ Complete First-Year Composition requirement.	
❖ Minimum 2.50 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 45 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ PHY 201: Mathematical Methods in Physics I (CS)	3	C	<ul style="list-style-type: none"> <li>Students must complete at least 60 credit hours including foundational coursework, and have a minimum 2.50 cumulative GPA to progress into the Teachers College program.</li> <li>Apply for a Identity Verified Print (IVP) DPS fingerprint card.</li> </ul>
❖ PHY 252: Physics III (SQ)	4	C	
❖ PHY 333: Electronic Circuits and Measurements	3	C	
EDP 313: Childhood and Adolescence (SB) OR TEL 315: Child and Adolescent Development (L or SB)	3	C	
Humanities, Arts and Design (HU)	3		
❖ Minimum 2.50 GPA ASU Cumulative.			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	<ul style="list-style-type: none"> <li>Submit 'Intent to Progress' form with IVP fingerprint card by October 1. After submission of forms, attend mandatory Teachers College Orientation.</li> </ul>
★ PHY 310: Classical Particles, Fields, and Matter I	3	C	
★ PHY 314: Quantum Physics I	3	C	
★ PHY 334: Advanced Laboratory I (L)	3	C	
Upper Division Science and Society Elective	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Milestone: Complete online Intent to Progress form (meet with advisor).			
Term hours subtotal:	15		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students (L)	3	C	<ul style="list-style-type: none"> <li>During your clinical experiences, you will work alongside an intern mentor teacher in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 6-8.</li> <li>Complete an in person or virtual practice interview</li> </ul>
★ PHY 311: Classical Particles, Fields, and Matter II	3	C	
★ PHY 315: Quantum Physics II	3	C	
★ PHY 480: Methods of Teaching Physics	3	C	
★ SED 398: Clinical Experience	1	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 412: Classical Particles, Fields, and Matter III	3	C	

★ PHY 441: Statistical and Thermal Physics	3	C
★ RDG 323: Literacy Processes in Content Areas	3	C
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 496: Clinical Experience III	1	C
★ SPE 417: Inclusion Practices at the Secondary Level	3	C
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- Register for the NES exam for secondary professional knowledge (NES). Needed for certification in Arizona.
- All degree requirements must be completed prior to student teaching.
- Develop your professional online presence.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>• Only one course will be approved to take concurrently with student teaching residency.</li> </ul>
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Political Science, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPOSBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required for all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> <li>Create a first draft <b>resume</b>.</li> <li><b>Related Area Courses:</b> Any course from the subjects in the list below will apply to the Related Area requirement.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 210: Political Ideologies (SB)	3	C	<ul style="list-style-type: none"> <li>A <b>study abroad</b> experience enhances cross-cultural awareness and may expand career opportunities.</li> <li>Develop your <b>career skills</b>.</li> </ul>
Related Area Course	3	C	



Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Natural Science - Quantitative (SQ) 4

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
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❗ POS Elective 3 C

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Computer/Statistics/Quantitative Applications (CS) 3

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) 3

Literacy and Critical Inquiry (L) 3

Term hours subtotal: 16

- Explore an **internship**.
- Build your professional connections -- join the **ASU Mentor Network**.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS 301: Empirical Political Inquiry (SB) 3 C

POS Upper Division Elective 3 C

POS Elective 3 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Elective 2

Term hours subtotal: 15

- Thinking about graduate school? Consider registering for a grad school **test prep course**.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS Upper Division Elective 3 C

Complete 2 courses:  
 Related Area Course 6 C

Complete 2 courses:  
 Upper Division Elective 6

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Complete an in person or virtual **practice interview**.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS Upper Division Elective 3 C

Upper Division Literacy and Critical Inquiry (L) 3

Complete 3 courses:  
 Upper Division Elective 9

Term hours subtotal: 15

- Gather **professional references**.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS Upper Division Elective 3 C

Complete 4 courses:  
Upper Division Elective

12

- Apply for full-time career opportunities

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Term hours subtotal: 15

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following subjects may be used.

#### Hide Course List(s)/Track Group(s)

##### Related Area Course

AES OR AFR OR AIS OR APA OR ASB OR  
ASM OR COM OR ECN OR FAS OR GCU  
OR GPH OR HST OR JUS OR MIS OR PHI  
OR PSY OR REL OR SGS OR SOC OR TCL  
OR WST Elective

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map

### Political Science, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LAPOSBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p> POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB &amp; G) or POS 160: Global Politics (SB &amp; G)</p>	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar is required for all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 12 Credit Hours	Hours	Minimum Grade	Notes
<p>ENG 101 or ENG 102: First-Year Composition OR</p> <p>ENG 105: Advanced First-Year Composition OR</p> <p>ENG 107 or ENG 108: First-Year Composition</p>	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
Elective	2		
Term hours subtotal:	5		
Term 2 - A 12 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p> POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB &amp; G) or POS 160: Global Politics (SB &amp; G)</p>	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
<p>Second Language: Requirement satisfied through the following:</p> <p>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;</p> <p>* French, Italian, German, Spanish and Vietnamese are available online.</p>	4	C	
Term hours subtotal:	7		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li><b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
<p>Second Language: Requirement satisfied through the following:</p> <p>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;</p> <p>* French, Italian, German, Spanish and Vietnamese are available online.</p>	4	C	

❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 7

Term 3 - A 26 - 33 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ POS 210: Political Ideologies (SB)	3	C	• Develop your <b>career skills</b> .
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Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;

\* French, Italian, German, Spanish and Vietnamese are available online.

4	C
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Term hours subtotal: 7

Term 3 - B 33 - 40 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;

\* French, Italian, German, Spanish and Vietnamese are available online.

4	C
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• A **study abroad** experience enhances cross-cultural awareness and may expand career opportunities.

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)

3
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❖ Complete First-Year Composition requirement.

❖ Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 40 - 46 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ POS Elective	3	C	• View <b>career webinars</b> and meet with a career counselor to discuss professional goals.
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Computer/Statistics/Quantitative Applications (CS)

3
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Term hours subtotal: 6

Term 4 - B 46 - 53 Credit Hours	Hours	Minimum Grade	Notes
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Related Area Courses	3	C	• Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.
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Natural Science - Quantitative (SQ)

4
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Term hours subtotal: 7

• Explore **an internship**.

Term 5 - A 53 - 59 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS 301: Empirical Political Inquiry (SB)	3	C	• Build your professional connections -- join the <b>ASU Mentor Network</b> .
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Humanities, Arts and Design (HU) AND Historical Awareness (H)

3
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Term hours subtotal: 6

Term 5 - B 59 - 65 Credit Hours	Hours	Minimum Grade	Notes
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Related Area Courses	3	C	• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b> .
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Literacy and Critical Inquiry (L)

3
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Term hours subtotal: 6

Term 6 - A 65 - 72 Credit Hours	Hours	Minimum Grade	Notes
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POS Elective	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	7	

Term 6 - B 72 - 78 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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Related Area Courses	3	C	• Complete an in person or virtual practice interview.
Upper Division Literacy and Critical Inquiry (L)	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 78 - 84 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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POS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 7 - B 84 - 90 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 8 - A 90 - 96 Credit Hours	Hours	Minimum Grade	Notes
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Related Area Courses	3	C	• Gather professional references.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 96 - 102 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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POS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 102 - 108 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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POS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 108 - 114 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: Upper Division Elective	6		• Apply for full-time career opportunities
Term hours subtotal:	6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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POS Upper Division Elective	3	C	
Upper Division Elective	3		

Term hours subtotal: 6

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following subjects may be used.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR OR APA OR ASB OR ASM OR COM  
OR ECN OR FAS OR GCU OR GPH OR  
HST OR JUS OR PHI OR PSY OR REL OR  
SGS OR SOC OR WST Elective

Notes:

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Political Science, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPOSBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB &amp; G) or POS 160: Global Politics (SB &amp; G)</p>	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required for all first-year students.</li> <li>Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
<p>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>LIA 101: Student Success in The College of Liberal Arts and Sciences</p>	1		
<p>MAT 142: College Mathematics (MA)</p>	3	C	
<p>Related Area Course</p>	3	C	
<p>Elective</p>	3		
<p>Term hours subtotal:</p>	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p>POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB &amp; G) or POS 160: Global Politics (SB &amp; G)</p>	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> <li>Create a first draft <b>resume</b>.</li> </ul>
<p>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</p>	3	C	
<p>Related Area Course</p>	3	C	
<p>Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)</p>	3		
<p>Elective</p>	3		
<p> Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</p>			
<p>Term hours subtotal:</p>	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<p> POS 210: Political Ideologies (SB)</p>	3	C	<ul style="list-style-type: none"> <li>A <b>study abroad</b> experience enhances cross-cultural awareness and may expand career opportunities.</li> <li>Develop your <b>career skills</b>.</li> </ul>
<p>Related Area Course</p>	3	C	
<p>Humanities, Arts and Design (HU) AND Historical Awareness (H)</p>	3		
<p>Natural Science - Quantitative (SQ)</p>	4		
<p>Elective</p>	3		

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
POS Elective	6	C	<ul style="list-style-type: none"><li>• Explore an <b>internship</b>.</li><li>• Build your professional connections -- join the <b>ASU Mentor Network</b>.</li></ul>
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
❗ Complete Natural Science - Quantitative (SQ) course.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ POS 301: Empirical Political Inquiry (SB)	3	C	<ul style="list-style-type: none"><li>• Thinking about graduate school? Consider registering for a grad school <b>test prep course</b>.</li></ul>
Related Area Course	3	C	
Science and Society Elective	3	C	
POS Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ POS 401: Political Statistics (CS)	3	C	<ul style="list-style-type: none"><li>• Complete an in person or virtual <b>practice interview</b>.</li></ul>
Upper Division Science and Society Elective	3	C	
<i>Complete 2 courses:</i>			
POS Upper Division Elective	6	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	<ul style="list-style-type: none"><li>• Gather <b>professional references</b>.</li></ul>
Upper Division Literacy and Critical Inquiry (L)	3		
<i>Complete 3 courses:</i>			
Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	<ul style="list-style-type: none"><li>• Apply for <b>full-time career opportunities</b></li></ul>
<i>Complete 3 courses:</i>			
Upper Division Elective	9		
Term hours subtotal:	12		



- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following subjects may be used.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

#### Hide Course List(s)/Track Group(s)

##### Related Area Course

AES OR AFR OR AIS OR APA OR ASB OR  
 ASM OR COM OR ECN OR FAS OR GCU  
 OR GPH OR HST OR JUS OR MIS OR PHI  
 OR PSY OR REL OR SGS OR SOC OR TCL  
 OR WST Elective

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Political Science, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LAPOSBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li><b>Mathematics Placement Assessment</b> score determines placement in mathematics course.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
POS 110: American Government and Politics (SB) OR POS 150:  Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> </ul>
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
		<b>Minimum</b>	

Term 3 - A 25 - 31 Credit Hours Critical course signified by ⚠	Hours	Grade	Notes
⚠ POS 210: Political Ideologies (SB)	3	C	• Develop your <b>career skills</b> .
Elective	3		
Term hours subtotal:	6		

Term 3 - B 31 - 38 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
POS Elective	3	C	• A <b>study abroad</b> experience enhances cross-cultural awareness and may expand career opportunities.
Natural Science - Quantitative (SQ)	4		
⚠ Complete First-Year Composition requirement.			
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 38 - 44 Credit Hours	Hours	Minimum Grade	Notes
Science and Society Elective	3	C	• View <b>career webinars</b> and meet with a career counselor to discuss professional goals.
POS Elective	3	C	
Term hours subtotal:	6		

Term 4 - B 44 - 51 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		• Explore an <b>internship</b> .
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Complete Natural Science - Quantitative (SQ) course.			
Term hours subtotal:	7		

Term 5 - A 51 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS 301: Empirical Political Inquiry (SB)	3	C	• Build your professional connections -- join the <b>ASU Mentor Network</b> .
POS Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		• Thinking about graduate school? Consider registering for a grad school test <b>prep course</b> .
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS 401: Political Statistics (CS)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Science and Society Elective	3	C	• Complete an in person or virtual <b>practice interview</b> .
POS Upper Division Elective	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS Upper Division Elective	3	C	
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Elective	3		
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Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Literacy and Critical Inquiry (L)	3		
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Upper Division Elective	3		
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Term hours subtotal: 6

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: Related Area Courses	6	C	
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Term hours subtotal: 6

- Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS Upper Division Elective	3	C	
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Elective	3		
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Term hours subtotal: 6

- Gather professional references.

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Complete 2 courses: Related Area Courses	6	C	
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Term hours subtotal: 6

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
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Complete 2 courses: Upper Division Elective	6		
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Term hours subtotal: 6

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Elective	3		
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Elective	3		
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Term hours subtotal: 6

- Apply for full-time career opportunities.

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ POS Upper Division Elective	3	C	
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Term hours subtotal: 3

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following subjects may be used.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Students may not use more than six credit hours of POS 484 or POS 499 in the major.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR OR APA OR ASB OR ASM OR COM  
OR ECN OR FAS OR GCU OR GPH OR  
HST OR JUS OR PHI OR PSY OR REL OR  
SGS OR SOC OR WST Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Politics and the Economy, BS

School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAPECBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3		<ul style="list-style-type: none"> <li>ASU 101 or college-specific First-Year Seminar is required of all first-year students.</li> <li>Students placing into MAT 210 or MAT 270 should take one of those courses in Term 1. If not, students should select a prerequisite course. Students should not take MAT 142.</li> <li>Students considering graduate work in economics should choose MAT 270 or a prerequisite course.</li> <li>Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.</li> </ul>
 Mathematics (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA)	3	C	<ul style="list-style-type: none"> <li>Students considering graduate work in economics should select MAT 270 instead of MAT 210.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>Students considering graduate work in economics should select MAT 271 instead of MAT 211.</li> <li>Visit the <b>Career and Professional Development Center</b> to identify networking</li> </ul>
 MAT 211: Mathematics for Business Analysis	3	C	
Literacy and Critical Inquiry (L)	3		

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Elective	3
♦ Complete First-Year Composition requirement.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

opportunities and to seek career planning assistance.

Term 4 48 - 63 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	<ul style="list-style-type: none"> <li>• Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately.</li> <li>• Attend career related <b>workshops</b> and meet with a career counselor to discuss professional goals.</li> </ul>
♦ POS 210: Political Ideologies (SB)	3	C	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 312: Intermediate Microeconomic Theory (SB)	3	C	
★ POS 301: Empirical Political Inquiry (SB)	3	C	
★ POS 465: International Organization and Law (SB & G) OR POS 485: Political Economy (SB) OR POS 486: International Political Economy (SB & G)	3	C	
Upper Division Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Complete an <b>internship</b> to develop job-related skills and connections.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
★ ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy	3	C	
★ POS 465: International Organization and Law (SB & G) OR POS 485: Political Economy (SB) OR POS 486: International Political Economy (SB & G)	3	C	
ECN 221: Business Statistics (CS) OR POS 401: Political Statistics (CS)	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy	3	C	<ul style="list-style-type: none"> <li>• Thinking about graduate school? Consider registering for a grad school test prep course.</li> </ul>
★ POS 465: International Organization and Law (SB & G) OR POS 485: Political Economy (SB) OR POS 486: International Political Economy (SB & G)	3	C	



Upper Division Elective OR POS 484: Internship OR ECN 484: Internship	3
Complete 2 courses: Elective	6
Term hours subtotal:	15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECN 475: Capstone in Economics (L) OR POS 348: Do You Want to Build a Nation? (L)	3	C	• Apply for full-time career opportunities
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	12		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Psychology, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPGSBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>The decision between MAT 119 and MAT 170 should be determined based on academic and career goals. Consult with your academic advisor for more information.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. LIA 101 offered by The College of Liberal Arts and Sciences satisfies this requirement.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Foundation of Behavior: Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. Select courses from: ASB, ASM, BIO, GCU, HPS, PHI, SOC.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Foundations of Behavior	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Languages offered at ASU</li> <li>ASU Language Placement and Testing: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Explore an <b>internship</b>.</li> </ul>
Foundations of Behavior	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		

Elective 3

Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

- Pursue **research opportunities**.

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>• PSY Elective: Before graduation, students must complete three additional PSY courses (nine credit hours). At least two courses must be upper division. No more than three credit hours of PSY 394 may be used to fulfill the nine credit hours of PSY electives. No more than six hours (total) from the following course list may be used to fulfill this requirement: PSY 384, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.</li> </ul>
Foundations of Behavior	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
PSY Elective	3	C	
Term hours subtotal:	14		

Term 5 60 - 77 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: 3** Breadth Within Psychology	6	C	<ul style="list-style-type: none"> <li>• Breadth Within Psychology: Before graduation, students must complete one course from four of the five Breadth course lists below (four courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social.</li> <li>• The College of Liberal Arts and Sciences' Psychology Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) PSY coursework must be completed through courses offered by The College of Liberal Arts and Sciences - Department of Psychology.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Term hours subtotal:	17		

Term 6 77 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: 3** Breadth Within Psychology	6	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> <li>• Draft a <b>resume</b></li> <li>• Gather <b>professional references</b></li> </ul>
Foundations of Behavior	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	13		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ 4** Depth Within Psychology	3	C	<ul style="list-style-type: none"> <li>• Depth Within Psychology: Students must complete two courses from the course list below. NOTE: PSY 498: Pro-Seminar must be offered by The College of Liberal Arts and Sciences -- Department of Psychology.</li> <li>• PSY Upper Division Elective: Students must complete three additional PSY courses (nine</li> </ul>
PSY Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR PSY 484: Internship	3		

Term hours subtotal: 15

credit hours). At least two courses must be upper division. No more than three credit hours of PSY 394 may be used to fulfill the nine credit hours of PSY electives. No more than six hours (total) from the following course list may be used to fulfill this requirement: PSY 384, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.

- Apply for [graduate](#) school.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Depth Within Psychology	3	C	• Apply for full-time <a href="#">career opportunities</a> .
PSY Upper Division Elective	3	C	
Complete 3 courses:			
Upper Division Elective	9		
Term hours subtotal:	15		

- PSY 498: Pro-Seminar must be offered by The College of Liberal Arts and Sciences -- Department of Psychology.

Hide Course List(s)/Track Group(s)

Foundations of Behavior (12 credit hours from the following options)	Biological Breadth	Personality/Mental Health Breadth
ASB Elective	PSY 325: Physiological Psychology	PSY 315: Personality Theory and Research (SB)
ASM Elective		PSY 366: Abnormal Psychology (SB)
BIO Elective		
GCU Elective		
HPS Elective		
PHI Elective		
SOC Elective		
Cognitive/Learning Breadth	Developmental Breadth	Social Breadth
PSY 320: Learning and Motivation	PSY 341: Developmental Psychology (SB)	PSY 350: Social Psychology (SB)
PSY 323: Sensation and Perception		PSY 351: Honors Social Psychology (L or SB)
PSY 324: Memory and Cognition		
400-Level Depth Within Psychology		
PSY 400: Topics in Neuroscience		
PSY 414: History of Psychology (L or SB)		
PSY 420: Analysis of Behavior (L)		
PSY 424: Genetic Psychology (L)		
PSY 425: Biological Bases of Behavior (L)		
PSY 426: Neuroanatomy		

PSY 430: Industrial Psychology

PSY 432: Embodied Cognition (L)

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map



### Psychology, BS



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAPGSBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>The decision between MAT 119 and MAT 170 should be determined based on academic and career goals. Consult with your academic advisor for more information.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. LIA 101 offered by The College of Liberal Arts and Sciences fulfills this requirement.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	1		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Foundation of Behavior: Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. Select courses from: ASB, ASM, BIO, GCU, HPS, PHI, SOC.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Foundations of Behavior	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		



Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>.</li> <li>Pursue <b>research opportunities</b>.</li> </ul>
Foundations of Behavior	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	4		








Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>• Science and Society: All students pursuing a bachelor of science degree in The College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. A list of all approved courses and the requirement guidelines may be found <a href="#">here</a>.</li> <li>• PSY Elective: Before graduation, students must complete three additional PSY elective courses (nine credit hours). At least two courses must be upper division. No more than three credit hours of PSY 394 may be used to fulfill the nine credit hours of PSY electives. No more than six hours (total) from the following course list may be used to fulfill this requirement: PSY 384, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.</li> </ul>
Foundations of Behavior	3	C	
Science and Society Elective	3	C	
PSY Elective	3	C	
Elective	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: 3** Breadth Within Psychology	6	C	<ul style="list-style-type: none"> <li>• Breadth Within Psychology: Before graduation, students must complete one course from four of the five Breadth course lists below (four courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social.</li> <li>• The College of Liberal Arts and Sciences' Psychology Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) PSY coursework must be completed through courses offered by The College of Liberal Arts and Sciences - Department of Psychology.</li> </ul>
Upper Division Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses: 3** Breadth Within Psychology	6	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> <li>• Draft a <b>resume</b></li> <li>• Gather <b>professional references</b></li> <li>• PSY Upper Division Elective: Before graduation, students must complete three additional PSY courses (nine credit hours). At least two courses must be upper division. No more than three credit hours of PSY 394 may be used to fulfill the nine credit hours of PSY electives. No more than six hours (total) from the following course list may be used to fulfill this requirement: PSY 384, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.</li> </ul>
Foundations of Behavior	3	C	
PSY Upper Division Elective	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ 4** Depth Within Psychology	3	C
PSY Upper Division Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	C
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3	
Elective OR PSY 484: Internship	3	
Term hours subtotal:	15	

- Depth Within Psychology: Before graduation, students must complete two courses from the course list below. NOTE: PSY 498 Pro-Seminar must be offered by The College of Liberal Arts and Sciences - Department of Psychology.
- Apply for **graduate** school.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Depth Within Psychology	3	C	• Apply for full-time <b>career opportunities</b> .
Complete 4 courses:			
Upper Division Elective	12		
Term hours subtotal:	15		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- PSY 498: Pro-Seminar must be offered by The College of Liberal Arts and Sciences -- Department of Psychology.

Hide Course List(s)/Track Group(s)

Foundations of Behavior (12 credit hours from the following options)	Biological Breadth	Personality/Mental Health Breadth
ASB Elective	PSY 325: Physiological Psychology	PSY 315: Personality Theory and Research (SB)
ASM Elective		PSY 366: Abnormal Psychology (SB)
BIO Elective		
GCU Elective		
HPS Elective		
PHI Elective		
SOC Elective		
Cognitive/Learning Breadth	Developmental Breadth	Social Breadth
PSY 320: Learning and Motivation	PSY 341: Developmental Psychology (SB)	PSY 350: Social Psychology (SB)
PSY 323: Sensation and Perception		PSY 351: Honors Social Psychology (L or SB)
PSY 324: Memory and Cognition		
400-Level Depth Within Psychology		
PSY 400: Topics in Neuroscience		
PSY 414: History of Psychology (L or SB)		

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 430: Industrial Psychology

PSY 432: Embodied Cognition (L)

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map



### Psychology (Psychological Science), BS



School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LAPGSPSBS



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>The decision between MAT 119 and MAT 170 should be determined based on academic and career goals. Consult with your academic advisor for more information.</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. LIA 101 offered by The College of Liberal Arts and Sciences fulfills this requirement.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
 MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	14		



Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Foundation of Behavior: Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. Select courses from: ASB, ASM, BIO, GCU, HPS, PHI, SOC. Students must complete at least six credit hours from within a single department and subject code.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Foundations of Behavior	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	<ul style="list-style-type: none"> <li>Explore an <b>internship</b>.</li> <li>Pursue <b>research opportunities</b>.</li> </ul>
Foundations of Behavior	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	4		
Complete First-Year Composition requirement.			



Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	<ul style="list-style-type: none"> <li>Science and Society Elective: All students pursuing a bachelor of science degree in The College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. A list of all approved courses and the requirement guidelines can be found <a href="#">here</a>.</li> </ul>
Complete 2 courses:			
Foundations of Behavior	6	C	
Science and Society Elective	3	C	
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			<ul style="list-style-type: none"> <li>Research Experience: Before graduating, students must complete at least six credit hours of Research Experience (PSY 399, PSY 499, PSY 492, or PSY 493)</li> <li>Breadth Within Psychology: Before graduation, students must complete one course from four of the five Breadth course lists below (four courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social.</li> <li>The College of Liberal Arts and Sciences' Psychology Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) PSY coursework must be completed through courses offered by The College of Liberal Arts and Sciences - Department of Psychology.</li> </ul>
3** Breadth Within Psychology Course	6	C	
PSY 399: Supervised Research	3	Y	
Upper Division Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 2 courses:			<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a></li> <li>Draft a <a href="#">resume</a></li> <li>Gather <a href="#">professional references</a></li> </ul>
3** Breadth Within Psychology Course	6	C	
PSY 330: Statistical Methods (CS)	3	C	
PSY 399: Supervised Research OR PSY 492: Honors Directed Study OR PSY 493: Honors Thesis (L) OR PSY 499: Individualized Instruction	3	Y	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 4** Depth Within Psychology Course	3	C	<ul style="list-style-type: none"> <li>400-Level Depth Within Psychology: Before graduation, students must complete two courses from the course list below. NOTE: PSY 498</li> </ul>
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective OR PSY 484: Internship	3		
Complete 2 courses:			
Elective	6		

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 15

Pro-Seminar must be offered by The College of Liberal Arts and Sciences - Department of Psychology.

- Apply for [graduate school](#).

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ 4** Depth Within Psychology Course	3	C	• Apply for full-time <a href="#">career opportunities</a> .
Complete 2 courses: Upper Division Elective	6		
Complete 2 courses: Elective	6		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Students in this major must complete at least six credit hours of their Foundations of Behavior within a single department and subject code.
- Students cannot declare this major as first-year students.
- Students must have a minimum ASU cumulative GPA of 3.00 to be accepted into this major, and students must maintain a minimum ASU cumulative GPA of 3.00 to remain in the major.
- PSY 498: Pro-Seminar must be offered by The College of Liberal Arts and Sciences -- Department of Psychology.

Hide Course List(s)/Track Group(s)

Foundations of Behavior (12 credit hours from the following options. At least 6 hours must be from one subject.)	Biological Breadth	Personality/Mental Health Breadth
	PSY 325: Physiological Psychology	PSY 315: Personality Theory and Research (SB)
		PSY 366: Abnormal Psychology (SB)
	ASB Elective	
	ASM Elective	
	BIO Elective	
	GCU Elective	
	HPS Elective	
PHI Elective		
SOC Elective		
Cognitive/Learning Breadth	Developmental Breadth	Social Breadth
PSY 320: Learning and Motivation	PSY 341: Developmental Psychology (SB)	PSY 350: Social Psychology (SB)
PSY 323: Sensation and Perception		PSY 351: Honors Social Psychology (L or SB)
PSY 324: Memory and Cognition		

#### 400-Level Depth Within Psychology

PSY 400: Topics in Neuroscience

PSY 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 430: Industrial Psychology

PSY 432: Embodied Cognition (L)

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

#### Notes:

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.



**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map






### Religious Studies (Religion, Culture and Public Life), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LARELCPBA

Accelerated options for this program are not currently available to ASU Online students.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 REL 101: Religion, Culture and Public Life (HU & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Maintain 2.50 GPA in REL.			
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>See Religion, Culture and Public Life course list below. Students complete 15 credit hours from the Religion, Culture and Public Life concentration as part of the Religious Studies major.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>If interested in law school, review the <b>Pre-Law at ASU</b> website.</li> </ul>
Religion, Culture and Public Life Concentration Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in REL.			
Term hours subtotal:	14		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

Related Area Course	3	C
REL Outside Concentration Course	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Computer/Statistics/Quantitative Applications (CS)	3	
Elective	3	
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
Maintain 2.50 GPA in REL.		
Term hours subtotal:	16	

- Outside Concentration courses include any REL courses that are not listed in the Religion, Culture and Public Life concentration. REL 100 and REL 321 may count as either Religion, Culture and Public Life concentration courses, or as Outside Concentration courses, but not both.
- Please see list of Related Area courses below.
- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to **study abroad**.

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
Religion, Culture and Public Life Concentration Course	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
❖ Maintain 2.50 GPA in REL.			
Term hours subtotal:	14		

- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.
- Visit **Career and Professional Development Services** and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, **make an appointment** with the pre-law advisor.

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ REL 307: Religion: Theory and Practice (L or HU)	3	C	
★ Upper Division Religion, Culture and Public Life Concentration Course	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Elective	3		
Maintain 2.50 GPA in REL.			
Term hours subtotal:	15		

- REL 307 is typically offered only in the Fall semester.
- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.
- Consider participating in an **Undergraduate Research Experience** through the School of Historical, Philosophical and Religious Studies or a research opportunity in the **Humanities Lab**.

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Culture and Public Life Concentration Course	3	C	
Upper Division Related Area Course	3	C	
Upper Division REL Outside Concentration Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR REL 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.50 GPA in REL.			

- Upper Division Outside Concentration courses include any upper-division REL courses that are not listed in the Religion, Culture and Public Life concentration. REL 321 may count as either a Religion, Culture and Public Life concentration course, or as an Outside Concentration course, but not both.
- Participate in an **internship** to gain valuable career experience and contacts. For help exploring internship **opportunities related to your major**, meet with an academic advisor.
- Explore **graduate school** opportunities.

Term hours subtotal: 15

- If planning on law school, prepare to take the LSAT.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Culture and Public Life Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Attend career fairs, workshops and related events offered by Career and Professional Development Services.</li> </ul>
Upper Division Related Area Course	3	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Maintain 2.50 GPA in REL.			
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ REL 405: Problems in Religious Studies OR REL 406: Religious Studies Capstone I AND REL 407: Religious Studies Capstone II	3	C	<ul style="list-style-type: none"> <li>• REL 405 serves as the capstone course for this major and is typically offered only in the Spring semester. REL 405 is for on-campus students while REL 406 and 407 are for ASU Online students.</li> <li>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Related Area Course	3	C	
Complete 3 courses:			
Upper Division Elective	9		
★ Maintain 2.50 GPA in REL.			
Term hours subtotal:		15	

- Students complete 15 credit hours in the Religion, Culture and Public Life concentration, at least nine of which must be upper-division.
- Students complete six credits of Outside Concentration REL courses, at least three of which must be upper-division. The Outside Concentration courses are any REL courses NOT in the Religion, Culture and Public Life concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Culture and Public Life concentration courses, or as Outside Concentration courses, but each course will satisfy only ONE requirement, not both.
- Students complete 15 credits of courses in Related Areas, at least nine of which must be upper-division.

Hide Course List(s)/Track Group(s)

Religion, Culture and Public Life Courses	REL Outside Concentration Courses	Related Area Courses
REL 100: Religions of the World (HU & G)	Any REL course that is NOT listed in the Religion, Culture and Public Life concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both.	AFR OR AIS OR AMS OR APA OR APH OR ARS OR ASB OR GCU OR HPS OR HST OR HUL OR JUS OR PHI OR POS OR SGS OR SOC OR TCL OR WST Elective
REL 200: Exploring the World's Religions (L or HU) & G)		REL 100: Religions of the World (HU & G)
REL 202: Religion and Popular Culture (HU & C)	REL 321: Religion in America ((L or HU) & C & H)	ARB 335: Arabic Culture and Islam (G)
REL 205: Life, Sex and Death (HU)		ARB 336: Introduction to the Qur'an (G)
REL 207: Ritual, Symbol, and Myth (L or HU)		ARB 337: Hadith and Prophetic Tradition (HU & H & G)
REL 270: Introduction to Christianity (HU)		

REL 287: Topics in Film, Media, and Religion (HU & G)	ARB 341: Quran Text and Women (HU & H)
REL 301: Comparative Mysticism (HU)	ARB 351: Classical Arabic Literature (HU & G)
REL 310: Western Religious Traditions (HU & H)	ARB 352: Modern Arabic Literature in Translation (HU & G)
REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)	BIO 312: Bioethics (HU)
REL 320: American Religious Traditions (HU & C & H)	BIO 315: Science, Values, and the Public or ENG 370: Science, Values, and the Public
REL 321: Religion in America ((L or HU) & C & H)	BIO 318: History of Medicine (HU & H)
REL 323: African American Religion (HU & C)	CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)
REL 324: Spirituals and the Blues	CHI 321: Chinese Literature (HU)
REL 326: U.S. Latino Religion and Culture (HU & C)	CHI 322: Chinese Literature (HU & G)
REL 330: Native American Worldviews (HU & C)	CHI 345: Chinese Film and Civilization
REL 343: Daoism ((L or HU) & G & H)	CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)
REL 346: Chinese Religions	CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)
REL 350: Hinduism ((L or HU) & G)	ENG 315: Medieval Literature in Translation
REL 351: Buddhism ((L or HU) & G)	ENG 333: American Ethnic Literature
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
REL 365: Islamic Civilization (HU & H)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
REL 371: New Testament (HU)	ENG 356: The Bible as Literature (HU)
REL 372: Formation of the Christian Tradition (HU & H)	ENG 359: Indigenous American Literature ((L or HU) & C)
REL 382: Magick, Religion and Science (L or HU)	GER 315: Germanic Mythology (HU & G)
REL 383: Religion and Sports (HU)	HEB 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU)
REL 390: Women, Gender and Religion (HU & G)	HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)
REL 393: Religion and Sex (HU)	HEB 348: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)
	HEB 375: Contemporary Culture of Israel (HU & G)

Related Area Courses Continued

HON 171: The Human Event (L or HU)

HON 272: The Human Event ((L or HU) & H)

HON 370: History of Ideas

HON 379: Romantics, Victorians, and  
Moderns (HU & G)

IAS 430: Science and Religion (L or HU)

JPN 115: Japanese Popular Culture: Anime,  
Manga, and Film (G)

JPN 333: Japanese Civilization from the Ice  
Age to Last Thursday

JPN 445: Readings in Modern Japanese  
Letters and Culture

JST Elective (not from JST 131, 132, 231, or  
232)

KOR 250: Korean Culture and Society (HU &  
G)

KOR 321: Modern Korean Literature (HU)

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

KOR 354: Religions of Korea (HU)

KOR 375: Intercultural Communication in  
Korea or SLC 375: Intercultural  
Communication in Korea

KOR 415: Korean Popular Culture (HU & G)  
or SLC 415: Korean Popular Culture (HU &  
G)

KOR 457: Premodern Korea in a Global  
Context (HU) or SLC 457: Premodern Korea  
in a Global Context (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 355: American Music (HU & C & H)

MUS 371: World Music (HU & G)

POR 472: Luso-Brazilian Civilization (HU &  
G)

PSY 350: Social Psychology (SB)

SLC 142: Ancient Greek Civilization (HU &  
H) or GRK 142: Ancient Greek Civilization  
(HU & H)

SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

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SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

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SLC 362: Ancient Greek Religion or GRK 362: Ancient Greek Religion

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SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

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SLC 455: Berlin: Migration, Arts and Activism (G) or GER 455: Berlin: Migration, Arts and Activism (G)

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SPA 325: Introduction to Hispanic Literature (HU)

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SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

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SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

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TCL 328: U.S. Latino Religion and Culture (HU & C)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major (REL) must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Religious Studies (Religion, Culture and Public Life), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)


LARELCPBA

Accelerated options for this program are not currently available to ASU Online students.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 REL 101: Religion, Culture and Public Life (HU & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ASU 101 is not required of transfer students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li><a href="#">Mathematics Placement Assessment</a> score determines placement in mathematics course</li> <li>Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li><a href="#">ASU Language Placement and Testing</a>: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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Religion, Culture and Public Life Concentration Course	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Maintain 2.50 GPA in REL course work.		
Term hours subtotal:	7	

- Please see Religion, Culture and Public Life course list below. Students complete 15 credit hours from the Religion, Culture and Public Life concentration as part of the Religious Studies major.
- If interested in law school, review the [Pre-Law at ASU](#) website.

Term 3 - A 27 - 34 Credit Hours	Hours	Minimum Grade	Notes
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Related Area Course	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Term hours subtotal:	7	

Term 3 - B 34 - 41 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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REL Outside Concentration Course	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
◆ Complete First-Year Composition requirement.		
◆ Complete Mathematics (MA) requirement.		
Maintain 2.50 GPA in REL course work.		
Term hours subtotal:	7	

- Please see REL Outside Concentration Course list below.
- Explore opportunities to [study abroad](#). Online students are eligible and encouraged to participate!

Term 4 - A 41 - 48 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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Religion, Culture and Public Life Concentration Course	3	C
Natural Science - Quantitative (SQ)	4	
◆ Maintain 2.50 GPA in REL course work.		
Term hours subtotal:	7	

- Explore the [Career and Professional Development Services](#) website and arrange a [virtual advising session](#) with a career counselor for assistance with career planning and networking.
- If interested in law school, [make an appointment](#) with the pre-law advisor.

Term 4 - B 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
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Computer/Statistics/Quantitative Applications (CS)	3	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Term hours subtotal:	6	

- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.

Term 5 - A 54 - 60 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ REL 307: Religion: Theory and Practice (L or HU)	3	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Maintain 2.50 GPA in REL course work.		
Term hours subtotal:	6	

- REL 307 is typically offered only in the Fall semester.
- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.

Term 5 - B 60 - 67 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	<ul style="list-style-type: none"> <li>Participate in an <a href="#">internship</a> to gain valuable career experience and contacts. For help exploring internship <a href="#">opportunities related to your major</a>, contact an academic advisor.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 6 - A 67 - 73 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Culture and Public Life Concentration Course	3	C	<ul style="list-style-type: none"> <li>Consider participating in an <a href="#">Undergraduate Research Experience</a> through the School of Historical, Philosophical and Religious Studies.</li> </ul>
Social-Behavioral Sciences (SB)	3		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 6 - B 73 - 79 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division REL Outside Concentration Course	3	C	<ul style="list-style-type: none"> <li>If planning on law school, prepare to take the <a href="#">LSAT</a>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 7 - A 79 - 85 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Culture and Public Life Concentration Course	3	C	<ul style="list-style-type: none"> <li>Explore <a href="#">graduate school</a> opportunities.</li> </ul>
Upper Division Elective	3		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 7 - B 85 - 91 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>View career <a href="#">webinars</a> offered by Career and Professional Development Services.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 91 - 97 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Culture and Public Life Concentration Course	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a>.</li> </ul>
Upper Division Related Area Course	3	C	
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 8 - B 97 - 103 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	6		

Term 9 - A 103 - 109 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ REL 406: Religious Studies Capstone I	1	C	<ul style="list-style-type: none"> <li>REL 406 and REL 407 serve as the capstone courses for this major and are typically offered only in the Spring semester.</li> </ul>
Upper Division Elective	3		
Elective	2		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

Term 9 - B 109 - 114 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ REL 407: Religious Studies Capstone II	2	C	<ul style="list-style-type: none"> <li>Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> </ul>
Upper Division Elective	3		
Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	5		

Term 10 - A 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>Apply for full-time career opportunities.</li> </ul>
Upper Division Elective	3		
★ Maintain 2.50 GPA in REL course work.			
Term hours subtotal:	6		

- Students complete 15 credit hours in the Religion, Culture and Public Life concentration, at least nine of which must be upper-division.
  - Students complete six credit hours in Outside Concentration REL courses, at least three of which must be upper-division. Outside Concentration courses include all REL courses that are not part of the Religion, Culture and Public Life concentration. Due to their broad content, REL 100 and REL 321 appear in both the Religion, Culture and Public Life and the Outside Concentration course lists. Students may use these courses to satisfy a concentration requirement OR an Outside Concentration requirement, but each course will apply toward only ONE requirement, not both.
  - Students complete 15 credits of courses in related areas, at least nine of which must be upper-division.
  - At least 12 upper-division hours in the major (REL) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

Religion, Culture and Public Life	REL Outside Concentration Courses	Related Area Courses
REL 100: Religions of the World (HU & G)	Any REL course that is NOT listed in the Religion, Culture and Public Life concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both.	AFR OR APA OR ARS OR ASB OR GCU OR HST OR JUN OR PHI OR POS OR SGS OR SOC OR WST Elective
REL 202: Religion and Popular Culture (HU & C)		
REL 205: Life, Sex and Death (HU)	REL 100: Religions of the World (HU & G)	ARB 335: Arabic Culture and Islam (G)
REL 207: Ritual, Symbol, and Myth (L or HU)	REL 321: Religion in America (L or HU) & C & H)	ARB 336: Introduction to the Qur'an (G)
REL 301: Comparative Mysticism (HU)		BIO 312: Bioethics (HU)
REL 315: Hebrew Bible (Old Testament) (L or HU) & H)		BIO 318: History of Medicine (HU & H)
		ENG 333: American Ethnic Literature

REL 320: American Religious Traditions (HU & C & H)

REL 321: Religion in America ((L or HU) & C & H)

REL 323: African American Religion (HU & C)

REL 324: Spirituals and the Blues

REL 330: Native American Worldviews (HU & C)

REL 343: Daoism ((L or HU) & G & H)

REL 350: Hinduism ((L or HU) & G)

REL 351: Buddhism ((L or HU) & G)

REL 371: New Testament (HU)

REL 382: Magick, Religion and Science (L or HU)

REL 390: Women, Gender and Religion (HU & G)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 356: The Bible as Literature (HU)

ENG 359: Indigenous American Literature ((L or HU) & C)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music (HU)

MUS 355: American Music (HU & C & H)

MUS 371: World Music (HU & G)

PSY 350: Social Psychology (SB)

SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

SPA 325: Introduction to Hispanic Literature (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

#### Notes:

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map






### Religious Studies (Religion, Politics and Global Affairs), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LARELPGBA

Accelerated options for this program are not currently available to ASU Online students.

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 REL 101: Religion, Culture and Public Life (HU & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> <li>Select your <b>Career Interest Communities</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Maintain 2.50 GPA in REL.			
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>See Religion, Politics and Global Affairs course list below. Students complete 15 credit hours from the Religion, Politics and Global Affairs concentration as part of the Religious Studies major.</li> <li>Join a <b>student club</b> or professional organization.</li> <li>If interested in law school, review the <b>Pre-Law at ASU</b> website.</li> </ul>
Religion, Politics and Global Affairs Concentration Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in REL.			
Term hours subtotal:	14		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

Related Area Course	3	C
REL Outside Concentration Course	3	C
Second Language: Requirement satisfied through the following:		
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Computer/Statistics/Quantitative Applications (CS)	3	
Humanities, Arts and Design (HU)	3	
❖ Complete First-Year Composition requirement.		
❖ Complete Mathematics (MA) requirement.		
Maintain 2.50 GPA in REL.		
Term hours subtotal:	16	

- Outside Concentration courses include any REL courses that are not listed in the Religion, Politics and Global Affairs concentration. REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but not both.
- Please see list of Related Area courses below.
- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to **study abroad**.

Term 4 46 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
Religion, Politics and Global Affairs Concentration Course	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
❖ Maintain 2.50 GPA in REL.			
Term hours subtotal:	14		

- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.
- Visit **Career and Professional Development Services** and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, **make an appointment** with the pre-law advisor.

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ REL 307: Religion: Theory and Practice (L or HU)	3	C	
★ Upper Division Religion, Politics and Global Affairs Concentration Course	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Maintain 2.50 GPA in REL.			
Term hours subtotal:	15		

- REL 307 is typically offered only in the Fall semester.
- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.
- Consider participating in an **Undergraduate Research Experience** through the School of Historical, Philosophical and Religious Studies or a research opportunity in the **Humanities Lab**.

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Politics and Global Affairs Concentration Course	3	C	
Upper Division Related Area Course	3	C	
Upper Division REL Outside Concentration Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective OR REL 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Maintain 2.50 GPA in REL.			

- Upper Division Outside Concentration courses include any upper-division REL courses that are not listed in the Religion, Politics and Global Affairs concentration. REL 321 may count as either a Religion, Politics and Global Affairs concentration course, or as an Outside Concentration course, but not both.
- Participate in an **internship** to gain valuable career experience and contacts. For help exploring internship **opportunities related to your major**, meet with an academic advisor.
- Explore **graduate school** opportunities.



Term hours subtotal: 15

- If planning on law school, prepare to take the LSAT.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Religion, Politics and Global Affairs Concentration Course	3	C	<ul style="list-style-type: none"> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Attend <b>career fairs, workshops and related events</b> offered by Career and Professional Development Services.</li> </ul>
Upper Division Related Area Course	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Maintain 2.50 GPA in REL.			
Term hours subtotal:		15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ REL 405: Problems in Religious Studies OR REL 406: Religious Studies Capstone I AND REL 407: Religious Studies Capstone II	3	C	<ul style="list-style-type: none"> <li>• REL 405 serves as the capstone course for this major and is typically offered only in the Spring semester. REL 405 is for on-campus students while REL 406 and 407 are for ASU Online students.</li> <li>• Take advantage of mock interview opportunities and assistance with writing <b>resumes and cover letters</b>.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> </ul>
Upper Division Related Area Course	3	C	
Complete 3 courses:			
Upper Division Elective	9		
★ Maintain 2.50 GPA in REL.			
Term hours subtotal:		15	

- Students complete 15 credit hours in the Religion, Politics and Global Affairs concentration, at least nine of which must be upper-division.
- Students complete six credits of Outside Concentration REL courses, at least three of which must be upper-division. The Outside Concentration courses are any REL courses **not** in the Religion, Politics and Global Affairs concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but each course will satisfy only **one** requirement, not both.
- Students complete 15 credits of courses in Related Areas, at least nine of which must be upper-division.
- At least 12 upper-division hours in the major (REL) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

Religion, Politics and Global Affairs	REL Outside Concentration Courses	Related Area
REL 100: Religions of the World (HU & G)	Any REL course that is <b>not</b> listed in the Religion, Politics and Global Affairs concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both.	AFR OR AIS OR AMS OR APA OR APH OR ARS OR ASB OR GCU OR HPS OR HST OR HUL OR JUS OR PHI OR POS OR SGS OR SOC OR TCL OR WST Elective
REL 107: Religion and Globalization (HU & G)		
REL 201: Religion and the Modern World (L or HU)	REL 100: Religions of the World (HU & G)	ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)
REL 225: African American Religion (HU & C)	REL 321: Religion in America ((L or HU) & C & H)	ARB 335: Arabic Culture and Islam (G)
REL 319: Religion, Violence and America		ARB 336: Introduction to the Qur'an (G)

REL 321: Religion in America ((L or HU) & C & H)	ARB 337: Hadith and Prophetic Tradition (HU & H & G)
REL 347: Religions of India: Peace and Conflict ((L or HU) & G)	ARB 341: Quran Text and Women (HU & H)
REL 349: Nature, Sustainability and Religion	ARB 351: Classical Arabic Literature (HU & G)
REL 352: Modern Buddhism	ARB 352: Modern Arabic Literature in Translation (HU & G)
REL 354: Religions of Korea (HU)	BIO 312: Bioethics (HU)
REL 362: Islam and Islamic Societies in Africa: Social and Political History (G)	BIO 315: Science, Values, and the Public or ENG 370: Science, Values, and the Public
REL 363: Islam and World Affairs (G)	BIO 318: History of Medicine (HU & H)
REL 364: Islam in Eurasia and Central Asia	CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)
REL 366: Islam in the Modern World (HU & G)	CHI 321: Chinese Literature (HU)
REL 374: Witchcraft and Heresy in Europe ((L or HU) & H)	CHI 322: Chinese Literature (HU & G)
REL 377: Religion in Russia (HU & H)	CHI 345: Chinese Film and Civilization
REL 378: Religion, War and Peace (L)	CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)	CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)
REL 381: Religion and Moral Issues (L or HU)	ENG 315: Medieval Literature in Translation
REL 387: Religion and Conflict: Theories and Cases ((L or HU) & G)	ENG 333: American Ethnic Literature
REL 388: Religion, Ethics, and International Politics	ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
REL 420: Religion in American Life and Thought (HU)	ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)
REL 461: Different Voices Within Contemporary Islamic Discourse	ENG 356: The Bible as Literature (HU)
	ENG 359: Indigenous American Literature ((L or HU) & C)
	GER 315: Germanic Mythology (HU & G)
	HEB 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU)
	HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)
	HEB 348: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)

HEB 375: Contemporary Culture of Israel  
(HU & G)

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HEB 411: Judaism and the Beginnings of  
Christianity (HU & H)

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HON 171: The Human Event (L or HU)

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HON 272: The Human Event ((L or HU) & H)

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HON 370: History of Ideas

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HON 379: Romantics, Victorians, and  
Moderns (HU & G)

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IAS 430: Science and Religion (L or HU)

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JPN 115: Japanese Popular Culture: Anime,  
Manga, and Film (G)

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JPN 333: Japanese Civilization from the Ice  
Age to Last Thursday

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JPN 445: Readings in Modern Japanese  
Letters and Culture

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JST Elective (not from JST 131, 132, 231, or  
232)

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KOR 250: Korean Culture and Society (HU &  
G)

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KOR 321: Modern Korean Literature (HU)

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KOR 347: Korean Film and Literature (HU)

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KOR 350: Women of Korea (H)

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KOR 354: Religions of Korea (HU)

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KOR 375: Intercultural Communication in  
Korea or SLC 375: Intercultural  
Communication in Korea

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KOR 415: Korean Popular Culture (HU & G)  
or SLC 415: Korean Popular Culture (HU &  
G)

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KOR 457: Premodern Korea in a Global  
Context (HU) or SLC 457: Premodern Korea  
in a Global Context (HU)

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MUS 347: Jazz in America (HU & C)

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MUS 354: Popular Music (HU)

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MUS 355: American Music (HU & C & H)

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MUS 371: World Music (HU & G)

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POR 472: Luso-Brazilian Civilization (HU &  
G)

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PSY 350: Social Psychology (SB)

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SLC 142: Ancient Greek Civilization (HU &  
H) or GRK 142: Ancient Greek Civilization  
(HU & H)

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SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

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SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

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SLC 362: Ancient Greek Religion or GRK 362: Ancient Greek Religion

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SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

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SLC 455: Berlin: Migration, Arts and Activism (G) or GER 455: Berlin: Migration, Arts and Activism (G)

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SPA 325: Introduction to Hispanic Literature (HU)

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SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

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SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

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TCL 328: U.S. Latino Religion and Culture (HU & C)

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map



### Religious Studies (Religion, Politics and Global Affairs), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)


LARELPGBA

Accelerated options for this program are not currently available to ASU Online students.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 REL 101: Religion, Culture and Public Life (HU & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ASU 101 is not required of transfer students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Maintain 2.50 GPA in REL.			
Term hours subtotal:	7		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.</li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 2 - A 13 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> </ul>
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Religion, Politics and Global Affairs Concentration Course	3	C	

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

◆ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Maintain 2.50 GPA in REL.

Term hours subtotal: 7

- See Religion, Politics and Global Affairs course list below. Students complete 15 credit hours from the Religion, Politics and Global Affairs concentration as part of the major.

- If interested in law school, review the [Pre-Law at ASU](#) website.

Term 3 - A 27 - 34 Credit Hours	Hours	Minimum Grade	Notes
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Related Area Course 3 C

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Term hours subtotal: 7

Term 3 - B 34 - 41 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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REL Outside Concentration Course 3 C

Second Language: Requirement satisfied through the following:

\* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

Maintain 2.50 GPA in REL.

Term hours subtotal: 7

- Please see REL Outside Concentration Course list below.
- Explore opportunities to [study abroad](#). Online students are eligible and encouraged to participate!

Term 4 - A 41 - 48 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
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Religion, Politics and Global Affairs Concentration Course 3 C

Natural Science - Quantitative (SQ) 4

◆ Maintain 2.50 GPA in REL.

Term hours subtotal: 7

- Explore the [Career and Professional Development Services](#) website and arrange a [virtual advising](#) session with a career counselor for assistance with career planning and networking.
- If interested in law school, [make an appointment](#) with the pre-law advisor.

Term 4 - B 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
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Computer/Statistics/Quantitative Applications (CS) 3

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Term hours subtotal: 6

- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.

Term 5 - A 54 - 60 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ REL 307: Religion: Theory and Practice (L or HU) 3 C

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

Maintain 2.50 GPA in REL.

Term hours subtotal: 6

- REL 307 is typically offered only in the Fall semester.
- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.

Term 5 - B 60 - 67 Credit Hours	Hours	Minimum Grade	Notes
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Related Area Course	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	7	

Term 6 - A 67 - 73 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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Upper Division Religion, Politics and Global Affairs Concentration Course	3	C
Social-Behavioral Sciences (SB)	3	
Maintain 2.50 GPA in REL.		
Term hours subtotal:	6	

Term 6 - B 73 - 79 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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Upper Division REL Outside Concentration Course	3	C
Literacy and Critical Inquiry (L)	3	
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Maintain 2.50 GPA in REL.		
Term hours subtotal:	6	

- Participate in an **internship** to gain valuable career experience and contacts. For help exploring internship **opportunities related to your major**, contact an academic advisor.
- If planning on law school, prepare to take the **LSAT**.

Term 7 - A 79 - 85 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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Upper Division Religion, Politics and Global Affairs Concentration Course	3	C
Upper Division Elective	3	
Maintain 2.50 GPA in REL.		
Term hours subtotal:	6	

- Explore **graduate school** opportunities.
- Consider participating in an **Undergraduate Research Experience** through the School of Historical, Philosophical and Religious Studies.

Term 7 - B 85 - 91 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Related Area Course	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

- View career **webinars** offered by Career and Professional Development Services.

Term 8 - A 91 - 97 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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Upper Division Religion, Politics and Global Affairs Concentration Course	3	C
Upper Division Related Area Course	3	C
Maintain 2.50 GPA in REL.		
Term hours subtotal:	6	

- Use Handshake to research **employment opportunities**.

Term 8 - B 97 - 103 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Elective	3	
Term hours subtotal:	6	

Term 9 - A 103 - 109 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
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★ REL 406: Religious Studies Capstone I	1	C
Upper Division Elective	3	
Elective	2	
Maintain 2.50 GPA in REL.		
Term hours subtotal:	6	

- REL 406 and REL 407 serve as the capstone courses for this major and are typically offered only in the Spring semester.

★ Term 9 - B 109 - 114 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
★ REL 407: Religious Studies Capstone II	2	C	<ul style="list-style-type: none"> <li>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.</li> </ul>
Upper Division Elective	3		
Maintain 2.50 GPA in REL.			
Term hours subtotal:	5		

★ Term 10 - A 114 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> </ul>
Upper Division Elective	3		
★ Maintain 2.50 GPA in REL.			
Term hours subtotal:	6		

- Students complete 15 credit hours in the Religion, Politics and Global Affairs concentration, at least nine of which must be upper-division.
- Students complete six credits of Outside Concentration REL courses, at least three of which must be upper-division. The Outside Concentration courses are any REL courses **not** in the Religion, Politics and Global Affairs concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but each course will satisfy only **one** requirement, not both.
- Students complete 15 credits of courses in Related Areas, at least nine of which must be upper-division.
- At least 12 upper-division hours in the major (REL) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

Religion, Politics and Global Affairs	REL Outside Concentration Courses	Related Area
REL 100: Religions of the World (HU & G)	Any REL course that is <b>not</b> listed in the Religion, Politics and Global Affairs concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both.	AFR OR APA OR ARS OR ASB OR GCU OR HST OR JUN OR PHI OR POS OR SGS OR SOC OR WST Elective
REL 107: Religion and Globalization (HU & G)		
REL 201: Religion and the Modern World (L or HU)	REL 100: Religions of the World (HU & G)	ARB 335: Arabic Culture and Islam (G)
REL 321: Religion in America ((L or HU) & C & H)	REL 321: Religion in America ((L or HU) & C & H)	ARB 336: Introduction to the Qur'an (G)
REL 366: Islam in the Modern World (HU & G)		BIO 312: Bioethics (HU)
REL 374: Witchcraft and Heresy in Europe ((L or HU) & H)		BIO 318: History of Medicine (HU & H)
		ENG 333: American Ethnic Literature
		ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

REL 381: Religion and Moral Issues (L or HU)

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REL 388: Religion, Ethics, and International Politics

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REL 420: Religion in American Life and Thought (HU)

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ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

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ENG 356: The Bible as Literature (HU)

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ENG 359: Indigenous American Literature ((L or HU) & C)

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MUS 347: Jazz in America (HU & C)

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MUS 354: Popular Music (HU)

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MUS 355: American Music (HU & C & H)

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MUS 371: World Music (HU & G)

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PSY 350: Social Psychology (SB)

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SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

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SPA 325: Introduction to Hispanic Literature (HU)

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SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

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SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.50 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Russian, BA





School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LARUSBA

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.</li> <li>Engage in <b>Russian</b> at ASU. Practice your language skills at the <b>SILC Cafe</b>.</li> <li>Play <b>me3@ASU</b> and set up your <b>Handshake</b> account.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
RUS 101: Elementary Russian I	5	C	
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures Russian faculty member or <b>academic advisor</b> to discuss the best <b>study abroad options</b> for your major.</li> <li>Attend a <b>Financing Your Study Abroad Program Workshop</b>.</li> </ul>
RUS 102: Elementary Russian II	5	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 RUS 211: Basic Russian Conversation I (G)	3	C	<ul style="list-style-type: none"> <li>Explore your <b>career interest</b> area.</li> </ul>
RUS 201: Intermediate Russian I (G)	5	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ RUS 212: Basic Russian Conversation II (G)	3	C	<ul style="list-style-type: none"> <li>• Meet with your academic advisor to explore internship and career opportunities in the U.S. State Department and Foreign Affairs.</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> <li>• Learn about <b>internships, scholarships and awards</b> for language and culture majors.</li> <li>• Learn about research opportunities with the <b>ASU Humanities Lab</b>.</li> <li>• Heritage speakers of Russian may take RUS 295 Russian for Heritage Speakers, a three credit course equivalent to RUS 202.</li> </ul>
⚠ SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	
RUS 202: Intermediate Russian II (G)	5	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RUS 311: Russian Composition and Conversation I (G)	3	C	<ul style="list-style-type: none"> <li>• Explore opportunities working for the <b>Peace Corps</b>.</li> </ul>
★ Upper Division RUS Elective	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RUS 312: Russian Composition and Conversation II (G)	3	C	<ul style="list-style-type: none"> <li>• Plan ahead. Learn about <b>national scholarship, fellowship and research</b> opportunities.</li> <li>• Attend an <b>ASU Career Services workshop</b>.</li> </ul>
SLV 304: Digital Humanities for Language Majors (CS) OR SLV 440: History of Slavic Languages (SB)	3	C	
Upper Division Restricted Electives	3	C	
Related Area Course	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ RUS 411: Advanced Composition and Conversation I (G) OR RUS 412: Advanced Composition and Conversation II (G)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
Upper Division Restricted Electives	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

		Minimum	
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Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ RUS 430: Russian Short Story (L or HU)	3	C	• Attend a <b>Career Services</b> workshop or career fair.
★ 4** SLC Required Culture Course	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:		15	

- SLC 400-level language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course.

Hide Course List(s)/Track Group(s)

Related Area Course	Upper Division RUS Elective	400-Level SLC Required Culture Course
GCU 426: Geography of Russia and Surroundings (SB & G)	RUS 394: Special Topics	SLC 414: French and Italian Popular Culture ((L or HU) & G)
HST 354: Revolutionary Europe (SB & H)	RUS 421: Pushkin (L or HU)	SLC 415: Korean Popular Culture (HU & G)
HST 355: Total War and the Crisis of Modernity (SB & G & H)	RUS 425: Chekhov and Russian Drama (L or HU)	SLC 421: Ghosts, Monsters, and Supernatural in Jpn Lit&Film ((L or HU) & G)
HST 356: Europe since 1945 (SB & G & H)	RUS 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (L or HU)	SLC 421: Japanese Aesthetics ((L or HU) & G)
HST 370: Eastern Europe in Transition (SB & G & H)	RUS 440: Russian Mass Media (G)	SLC 421: Japanese Film and Animation, 1945-present ((L or HU) & G)
HST 432: Eastern Europe the Balkans, 20th Century (G & H)	RUS 493: Honors Thesis (L)	SLC 421: Japanese Literature in Translation ((L or HU) & G)
HST 435: The Russian Empire (SB & H)	RUS 494: Special Topics	SLC 421: Samurai and Geisha ((L or HU) & G)
HST 436: Rise & Fall of Soviet Communism (SB & G & H)	RUS 499: Individualized Instruction	SLC 421: Travel and Exploration in Early Modern Japan ((L or HU) & G)
MHL 363: Survey of Russian Music (HU)		SLC 423: Italian Organized Crime in Films and History ((L or HU) & G)
POS 360: World Politics (SB & G)		SLC 425: Globalization: From Colonialism to Climate Change (HU & G)
POS 467: International Security (SB & G)		SLC 429: Studies in European Literature and Culture ((L or HU) & G & H)
POS 486: International Political Economy (SB & G)		SLC 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (L or HU)
SLC 340: Approaches to International Cinema (HU & G)		SLC 440: Approaches to Film Theory
SLV Upper Division Elective		SLC 441: Fairy Tales (HU & G)
		SLC 442: Dracula and Vampire Lore ((L or HU) & G & H)
		SLC 444: Heroes, Ancient and Modern (L or HU)
		SLC 445: The Holocaust in German-Mediated Memory

SLC 446: Weimar-Era German Film

SLC 447: German Modernism

SLC 450: Experimental Narrative (HU)

SLC 451: Chinese Cultural History I ((HU or SB) & H)

SLC 452: Chinese Cultural History II (SB & G & H)

SLC 455: Berlin: Migration, Arts and Activism (G)

SLC 457: Premodern Korea in a Global Context (HU)

SLC 459: Latin American Jewish Culture

SLC 465: Intercultural Communicative Competence

SLC 475: Latin American Film ((L or HU) & G)

SLC 494: Special Topics

#### Upper Division Restricted Electives

RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G)

RUS 421: Pushkin (L or HU)

RUS 425: Chekhov and Russian Drama (L or HU)

RUS 439: Art in Exile: VladĀ-mir VladĀ-mirovich Nabokov (L or HU)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Sociology, BS



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)



LASOCBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select a <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Related Area Course	3	C	
Elective	3		
Term hours subtotal:	16		
<b>Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	
 SOC 241: Modern Social Problems (SB) OR SOC 264: Gender and Society (SB & C) OR SOC 270: Racial and Ethnic Relations (SB & C)	3	C	<ul style="list-style-type: none"> <li>Network in your <b>career interest area</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
<b>Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> </b>	<b>Hours</b>	<b>Minimum Grade</b>	<b>Notes</b>
SOC Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			




Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Additional Related Area Course AND Social-Behavioral Sciences (SB)	3	C	• Explore an <a href="#">internship</a>
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
 Complete Natural Science - Quantitative (SQ) OR Natural Science - General (SG) course(s).			

Term hours subtotal: 15

Term 5 63 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC 390: Social Statistics I (CS)	3	C	
Additional Related Area Course AND Social-Behavioral Sciences (SB)	3	C	
Science and Society Elective	3	C	
SOC Upper Division Elective	3	C	
Upper Division Elective	3		

Term hours subtotal: 15

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC 391: Research Methods (L or SB) OR FAS 361: Research Methods (L or SB)	3	C	• Use Handshake to research <a href="#">employment opportunities</a>
Upper Division Science and Society Elective	3	C	
SOC Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 15

Term 7 93 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC 483: History of Social Thought (SB) OR SOC 486: Contemporary Theory (SB)	3	C	• Gather <a href="#">professional references</a>
Related Area Course	3	C	
SOC Upper Division Elective	3	C	
Upper Division Elective OR SOC 484: Internship	3		
Elective	3		

Term hours subtotal: 15

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC Upper Division Elective	3	C	• Apply for full-time <a href="#">career opportunities</a>
Complete 3 courses: Upper Division Elective	9		

Term hours subtotal: 12

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Students choose nine credit hours from the related area subjects below. The additional six credit hours of related area work may be from any subject but must also carry the "SB" General Studies designation.

#### Hide Course List(s)/Track Group(s)

##### Related Area Courses

AFR OR APA OR ASB OR CDE OR ECN  
OR FAS OR GCU OR HST OR POS OR PSY  
OR SOC OR TCL OR WST Elective

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.


## 2021 - 2022 Major Map

### Sociology, BS

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LASOCBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required of all first-year students.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
SOC 241: Modern Social Problems (SB) OR SOC 264: Gender and Society (SB & C) OR SOC 270: Racial and Ethnic Relations (SB & C)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Elective	3		
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Additional Related Area Course AND Social-Behavioral Sciences (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
Related Area Course	3	C	• Develop your <b>skills</b>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
🚩 Complete First-Year Composition requirement.			
🚩 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 45 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Additional Related Area Course AND Social-Behavioral Sciences (SB)	3	C	• Related Area Course cannot be from SOC courses.
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SOC 390: Social Statistics I (CS)	3	C	
SOC Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	• Develop your <b>professional online presence</b>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours	Hours	Minimum Grade	Notes
Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SOC 391: Research Methods (L or SB) OR FAS 361: Research Methods (L or SB)	3	C	
Elective	3		

Term hours subtotal: 6

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	
Upper Division Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC 483: History of Social Thought (SB)	3	C	• Use Handshake to research employment opportunities
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		• Apply for full-time career opportunities
Term hours subtotal:	3		

- All students pursuing a BS or BSP in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count toward any major, minor, related fields, and ASU General Studies requirements.
- Students choose nine credit hours from the related area subjects below. The additional six credit hours of related area work may be from any subjects but must also carry the "SB" General Studies designation.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR OR APA OR ASB OR CDE OR ECN  
OR FAS OR GCU OR HST OR POS OR PSY  
OR SOC OR TCL OR WST Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Spanish - Linguistics, BA


School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASPABA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Only true beginners are eligible to take SPA 101 and are required to take a <a href="#">Spanish Placement Test</a>.</li> <li>Learn about <a href="#">Spanish Language Intensive Courses</a>.</li> <li>Engage in <a href="#">Spanish</a> at ASU.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
SPA 111: Fundamentals of Spanish OR SPA 110: Intensive Spanish I (G)	4-6	C	
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14-16		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Start planning to study abroad. Learn about Global Intensive Experience and/or faculty-directed summer programs in Argentina, Brazil, Cuba, Mexico, and Leon or Sevilla, Spain, offered through <a href="#">ASU Study Abroad</a> and the <a href="#">School of International Letters and Cultures (SILC)</a>.</li> <li>Attend a <a href="#">Financing Your Study Abroad Workshop</a>.</li> <li>Spanish offers a huge advantage if you are interested in working in the <a href="#">Peace Corps</a>.</li> <li>Students who have earned credit for SPA 102, SPA 110, or SPA 111 may opt to take SPA 210 Intensive Spanish II in Term 2.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (G)	4-6	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16-18		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (G)	4	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures <a href="#">academic advisor</a> to discuss <a href="#">internships</a> and <a href="#">scholarships and awards</a> for language and culture majors.</li> </ul>
Natural Science - Quantitative (SQ)	4		
Complete 2 courses:			



Elective	6
♦ Complete Mathematics (MA) requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	14

- Upper-Division SPA course requirements for this major offered in subsequent terms have L, CS, HU, SB, C, G, and H designations that may be applied to University General Studies and Awareness Area requirements for the degree.

Term 4 44 - 60 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	<ul style="list-style-type: none"> <li>• Proficiency in Spanish and/or Portuguese offers an advantage to those who are interested in U.S. State Department careers</li> <li>• Learn about research opportunities through the ASU Humanities Lab.</li> </ul>
♦ SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)	3	C	<ul style="list-style-type: none"> <li>• Enroll in listed courses or meet with a SILC academic advisor to discuss the best study abroad options for your major.</li> <li>• Explore your career interest area with your academic advisor.</li> </ul>
★ POR 101: Elementary Portuguese I (G) OR POR 320: Portuguese for Spanish Speakers I	3-4	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15-16		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POR 102: Elementary Portuguese II (G) OR POR 321: Portuguese for Spanish Speakers II	3-4	C	<ul style="list-style-type: none"> <li>• Learn about national scholarships, fellowships and research opportunities.</li> <li>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>• Use Handshake to research employment opportunities.</li> </ul>
★ SPA 400: Fundamentals of Spanish Linguistics (SB & G)	3	C	
★ SPA 412: Advanced Conversation and Composition (G)	3	C	
Complete 2 courses:	6		
Upper Division Elective			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15-16		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 418: Architecture of Spanish	3	C	<ul style="list-style-type: none"> <li>• Develop your skills.</li> </ul>
★ SPA 420: Applied Spanish Linguistics (L)	3	C	
★ Upper Division SPA Elective	3	C	
Upper Division Elective OR SPA 484: Internship	3		
Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 417: The Sounds of Spanish (CS or SB)	3	C	• Attend an ASU Career Services Workshop or Career Fair.
★ SPA 419: Spanish Around the World (CS & C)	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Upper Division SPA Electives
SPA 319: Business Correspondence and Communication (G)
SPA 325: Introduction to Hispanic Literature (HU)
SPA 385: Cinema and Culture of Spain (HU)
SPA 394: Advanced Mayan Culture
SPA 394: Angels or Devils: Women Rebels
SPA 394: Business Spanish
SPA 394: Hispanidades: Documenting Local Culture
SPA 394: Human Rights in Argentina
SPA 394: Latin American Political & Cultural Thought
SPA 394: Transcultural Connections
SPA 413: Spanish Grammar in Context (G)
SPA 421: Spanish in the Southwest (C)
SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)
SPA 426: Literature and Society in Modern Spain (HU)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)
SPA 429: Writing Mexico: Major Texts ((L or HU) & G)
SPA 464: Jait'án Works in Chicano/a Literature ((HU or SB) & C)
SPA 470: Law, Societies and Justice in Latino-America (SB & G)

SPA 471: Civilization of the  
Indohispanomexicano Southwest ((L or HU) &  
C)

SPA 472: Latin American Society: Five Case  
Studies (HU & H & G)

SPA 473: Old and New Spaniards: Culture and  
Civilization of Spain ((HU or SB) & G)

SPA 474: Revolutionary Mexico and  
Postmodern Revisions ((L or HU) & G)

SPA 475: Latin American Film ((L or HU) &  
G)

SPA 485: Chicano/a Short Story: Espanglish,  
Barrio y Xicanisma (L & C)

SPA 486: Chicano/a Novel: *Áltima*, *Rafa* y  
*Lala*

SPA 484: Internship

SPA 492: Honors Directed Study

SPA 493: Honors Thesis (L)

SPA 494: Ancient and Modern Mayan Culture

SPA 494: Chicano cancionero and  
narco-corridos

SPA 494: Chicano/Chicana Film

SPA 494: Chicano/Chicana Literatura Infantil

SPA 494: Consumer Culture in Latin America

SPA 494: Ecocritical Approaches Latin Am  
Cultural Productn

SPA 494: Film, Literature in Leon&Barcelona,  
Spain

SPA 494: History of the Spanish Language

SPA 494: Latin American Graphic Narrative

SPA 494: Latin American Photography and  
Human Rights

SPA 494: Latin American Queer Cultures

SPA 494: Mass Media from Spain &the  
Global Media in Spanish

SPA 494: Mexican-American Cinema

SPA 494: Pirates, Travelers and Renegados

SPA 494: Spanish Culture through Selfies

SPA 494: Why is the Amazon Burning?

**Notes:**

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- **Mathematics Placement Assessment** score determines placement in first mathematics course.
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**Major GPA:** 2.00 minimum

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**Academic Recognition:** 56 minimum

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### **General University Requirements Legend**

General Studies Core Requirements:

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- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Spanish - Literature and Culture, BA


School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LASPABA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first year students.</li> <li>Only true beginners are eligible to take SPA 101 and are required to request a <b>permission override</b> to register for this course. Students who have had previous experience in Spanish are required to take a <b>Spanish Placement Test</b>.</li> <li>Learn about <b>Spanish Language Intensive Courses</b>.</li> <li>SPA 101 and 102 or SPA 110 may be substituted for SPA 111.</li> <li>Engage in <b>Spanish</b> at ASU.</li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
SPA 111: Fundamentals of Spanish	4	C	
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Start to plan your study abroad experience. Learn about faculty-directed Global Intensive Experience and summer abroad programs in Argentina, Brazil, Costa Rica, Mexico, and Leon or Sevilla, Spain, offered through the <b>ASU Study Abroad Office</b> and the <b>School of International Letters and Cultures</b>.</li> <li>Attend a <b>Financing Your Study Abroad Workshop</b>.</li> <li>Students may opt to take SPA 210 Intensive Spanish II, a six credit course equivalent to SPA 201 and SPA 202 in term 2.</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (G)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (G)	4	C	
Natural Science - Quantitative (SQ)	4		

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3
Elective	3
♦ Complete Mathematics (MA) requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	14

- Meet with a School of International Letters and Cultures **academic advisor** to discuss **internships** and **scholarships** and **awards** for language and culture majors.
- Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.
- Learn about research opportunities through the **Humanities Lab**.
- Select your **Career Interest Communities** and play **me3@ASU**.

Term 4 44 - 60 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)	3	C	<ul style="list-style-type: none"> <li>• Proficiency in Spanish and/or Portuguese is a great advantage to those who wish to pursue a career with the <b>U.S. Department of State</b> or the <b>Peace Corps</b>.</li> <li>• Visit <b>Career and Professional Development Services</b> and meet with a career advisor for assistance with career planning and networking.</li> </ul>
♦ SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)	3	C	<ul style="list-style-type: none"> <li>• Enroll in listed courses or meet with a <b>SILC academic advisor</b> to discuss the best study abroad options for your major.</li> <li>• Explore your <b>career interest area</b> with your academic advisor.</li> </ul>
POR 101: Elementary Portuguese I (G) OR POR 320: Portuguese for Spanish Speakers I	3-4	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective	6		
Term hours subtotal:	15-16		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 325: Introduction to Hispanic Literature (HU)	3	C	<ul style="list-style-type: none"> <li>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.</li> <li>• Learn about national <b>scholarships</b>, <b>fellowships</b> and <b>research</b> opportunities.</li> </ul>
★ SPA 412: Advanced Conversation and Composition (G)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses:	6		
Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Spanish Culture Course	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
★ 4** Spanish Literature Course	3	C	
★ Upper Division Spanish Literature and Culture Electives	3	C	

SPA Upper Division Elective	3	C
Upper Division Elective	3	
Term hours subtotal:	15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Spanish Literature Course	3	C	<ul style="list-style-type: none"> <li>Attend an ASU Career Services Workshop or Career Fair.</li> </ul>
Upper Division Spanish Literature and Culture Electives	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	15		

- Students in the Spanish BA literature concentration must choose two upper-division courses (six credit hours) of Spanish literature electives from a single regional option. Regional options include Latin American, Mexican American and Peninsular literature.

Hide Course List(s)/Track Group(s)

400-Level Spanish Literature Course	Upper Division Spanish Literature and Culture Electives	400-Level Spanish Culture Course
SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)	SPA 385: Cinema and Culture of Spain (HU)	SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)
SPA 426: Literature and Society in Modern Spain (HU)	SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)	SPA 472: Latin American Society: Five Case Studies (HU & H & G)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)	SPA 426: Literature and Society in Modern Spain (HU)	SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)	SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)	SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G)
SPA 429: Writing Mexico: Major Texts ((L or HU) & G)	SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)	
SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)	SPA 429: Writing Mexico: Major Texts ((L or HU) & G)	
SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)	SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)	
SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala	SPA 470: Law, Societies and Justice in Latino-America (SB & G)	
	SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)	
	SPA 472: Latin American Society: Five Case Studies (HU & H & G)	
	SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)	
	SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G)	

SPA 475: Latin American Film ((L or HU) & G)

SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)

SPA 486: Chicano/a Novel: Āltima, Rafa y Lala

SPA 494: Ancient and Modern Mayan Culture

SPA 494: Chicano cancionero and narco-corridos

SPA 494: Chicano/Chicana Film

SPA 494: Chicano/Chicana Literatura Infantil

SPA 494: Consumer Culture in Latin America

SPA 494: Ecocritical Approaches Latin Am Cultural Productn

SPA 494: Film, Literature in Leon&Barcelona, Spain

SPA 494: History of the Spanish Language

SPA 494: Latin American Graphic Narrative

SPA 494: Latin American Photography and Human Rights

SPA 494: Latin American Queer Cultures

SPA 494: Mass Media from Spain &the Global Media in Spanish

SPA 494: Mexican-American Cinema

SPA 494: Pirates, Travelers and Renegados

SPA 494: Spanish Culture through Selfies

SPA 494: Why is the Amazon Burning?

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:



**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map

### Spanish, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)

LASPABA

Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Only true beginners are eligible to take SPA 101 and are required to take a <a href="#">Spanish Placement Test</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SPA 101: Elementary Spanish I	4	C	
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	8		
Term 1 - B 8 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Take advantage of <a href="#">online tutoring</a>.</li> <li>Utilize <a href="#">ASU libraries</a>.</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
SPA 102: Elementary Spanish II	4	C	
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		
Term 2 - A 15 - 22 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Start to plan your study abroad experience. Learn about Global Intensive Experiences and summer abroad programs in Argentina, Brazil, Costa Rica, Mexico, and in Leon or Sevilla, Spain offered through <a href="#">ASU Study Abroad</a> and the <a href="#">School of International Letters and Cultures</a>.</li> <li>Schedule an appointment with a School of International Letters and Cultures <a href="#">academic advisor</a> to discuss the best study abroad options for your major.</li> </ul>
SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (G)	4	C	
Term hours subtotal:	7		
Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (G)	4	C	<ul style="list-style-type: none"> <li>Meet with a School of International Letters and Cultures <a href="#">academic advisor</a> to discuss the best study abroad options for your major.</li> </ul>

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) 3

❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

❖ Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 7

Term 3 - A 29 - 35 Credit Hours Critical course signified by ❖ Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory (HU & G)

3 C

• Develop your skills.

❖ SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)

3 C

Term hours subtotal: 6

Term 3 - B 35 - 41 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)

3 C

Social-Behavioral Sciences (SB) AND Historical Awareness (H)

3

❖ Complete First-Year Composition requirement.

❖ Complete Mathematics (MA) requirement.

❖ Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 6

Term 4 - A 41 - 48 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ SPA 325: Introduction to Hispanic Literature (HU)

3 C

Natural Science - Quantitative (SQ)

4

• Connect with ASU Online Career and Professional Development Services.

Term hours subtotal: 7

Term 4 - B 48 - 54 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
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❖ SPA 412: Advanced Conversation and Composition (G)

3 C

Elective

3

❖ Maintain 2.33 GPA in Critical Tracking Courses.

Term hours subtotal: 6

Term 5 - A 54 - 61 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division Major Electives

3 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

• Create a first draft resume.

Term hours subtotal: 7

Term 5 - B 61 - 67 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SPA 400: Fundamentals of Spanish Linguistics (SB & G)

3 C

Upper Division Elective

3

Term hours subtotal: 6

Term 6 - A 67 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ 4** Spanish Literature	3	C
Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	6	

- Use Handshake to research **employment opportunities**.

Term 6 - B 73 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>• Earn credit toward your Spanish major abroad. Learn about your <b>study abroad</b> options.</li> <li>• Explore an <b>internship</b>.</li> </ul>
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 79 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** SPA Culture or Linguistics Course	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 7 - B 85 - 91 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Spanish Literature, Linguistics and Culture Electives	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 97 - 103 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Spanish Literature, Linguistics and Culture Electives	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 103 - 109 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Gather <b>professional references</b>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - B 109 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POR 101: Elementary Portuguese I (G) OR POR 320: Portuguese for Spanish Speakers I	3-4	C	<ul style="list-style-type: none"> <li>• Three credit hours of POR 101 will be applied to the Spanish major requirements. The remaining one credit hour from POR 101 will be applied toward the 120 total credit hours required for graduation.</li> <li>• Learn about ways to <b>build skills</b>.</li> </ul>
Elective	2		
Term hours subtotal:	5-6		

Term 10 - A 114 - 120 Credit Hours Necessary course signified by	Hours	Minimum	Notes
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		Grade	
★	Upper Division Spanish Literature, Linguistics and Culture Electives	3	C
	Elective	3	
	Term hours subtotal:	6	

- Attend a virtual career and internship fair event.

Hide Course List(s)/Track Group(s)

400-Level Spanish Literature	Upper Division Major Electives	400-Level SPA Culture or Linguistics Course
SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)	SPA 319: Business Correspondence and Communication (G)	SPA 417: The Sounds of Spanish (CS or SB)
SPA 426: Literature and Society in Modern Spain (HU)	SPA 394: Special Topics	SPA 418: Architecture of Spanish
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)	SPA 413: Spanish Grammar in Context (G)	SPA 419: Spanish Around the World (CS & C)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)	SPA 414: Spanish for Sustainability and Environmental Studies	SPA 420: Applied Spanish Linguistics (L)
SPA 429: Writing Mexico: Major Texts ((L or HU) & G)	SPA 417: The Sounds of Spanish (CS or SB)	SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)
SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)	SPA 418: Architecture of Spanish	SPA 472: Latin American Society: Five Case Studies (HU & H & G)
SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala	SPA 419: Spanish Around the World (CS & C)	SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)
SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)	SPA 420: Applied Spanish Linguistics (L)	
	SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)	
	SPA 426: Literature and Society in Modern Spain (HU)	
	SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)	
	SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)	
	SPA 429: Writing Mexico: Major Texts ((L or HU) & G)	
	SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)	
	SPA 470: Law, Societies and Justice in Latino-America (SB & G)	
	SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)	
	SPA 472: Latin American Society: Five Case Studies (HU & H & G)	
	SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)	
	SPA 484: Internship	

SPA 486: Chicano/a Novel: *Áltima, Rafa y Lala*

SPA 487: Chicano/a Drama: *Pachucos, Vendidos y Cerezitas* (C)

SPA 494: Advanced Spanish for Healthcare

SPA 494: Spanish with a Legal Focus

Upper Division Spanish Literature, Linguistics and Culture Electives

SPA 394: Special Topics

SPA 417: The Sounds of Spanish (CS or SB)

SPA 418: Architecture of Spanish

SPA 419: Spanish Around the World (CS & C)

SPA 420: Applied Spanish Linguistics (L)

SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)

SPA 426: Literature and Society in Modern Spain (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)

SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

SPA 464: Jait<sup>3</sup>n Works in Chicano/a Literature ((HU or SB) & C)

SPA 470: Law, Societies and Justice in Latino-America (SB & G)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

SPA 472: Latin American Society: Five Case Studies (HU & H & G)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)

SPA 486: Chicano/a Novel: *Áltima, Rafa y Lala*

SPA 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Technological Leadership, BS

School/College: The College of Liberal Arts and Sciences




Location: Tempe campus



LATECLDRBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Design Pathway Track: complete HDA 296; Spaceworks Pathway Track: complete SES 307; Combination Pathway 1 Track and 2 Track: complete either HDA 296 or AME 240.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• Select your <b>career interest areas</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
 HDA 296: Creative Futures: Studio OR AME 240: Introduction to Physical Computing OR SES 307: Space Works I	3	C	
 IPI 296: Inquiry	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	16-17		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Design Pathway Track: complete HDA 296; Spaceworks Pathway Track: complete SES 307; Combination Pathway 1 Track and 2 Track: complete HDA 296 or AME 240 not taken in Term 1.</li> <li>• Students who complete ENG 105 in Term 1 should complete ENG 215 or ENG 216 to complete one of the two "L" General Studies requirements.</li> <li>• Create a first draft <b>resume</b></li> </ul>
 HDA 296: Creative Futures: Studio OR AME 240: Introduction to Physical Computing OR SES 307: Space Works I	3	C	
 IPI 296: Inquiry OR HUL 250: Introduction to Interdisciplinary Research (HU)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete ENG 101 or ENG 105 or ENG 107 course(s)	0		
Term hours subtotal:	16		
Summer 2 32 - 44 Credit Hours	Hours	Minimum Grade	Notes
IPI 484: Internship	6	Y	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		







Term hours subtotal: 12

Term 3 44 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	<ul style="list-style-type: none"> <li>Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407; Combination Pathway 1 Track: complete HDA 496; Combination Pathway 2 Track: complete HDA 496 or AME 330 (AME 330 may only be taken one time).</li> <li>Develop your <b>skills</b></li> </ul>
AME 230: Programming for the Media Arts (CS) OR CSE 110: Principles of Programming (CS)	3	C	
HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test OR AME 330: Digital-Physical Systems	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Global Awareness (G)	3		
Elective	3		
 Complete Mathematics (MA) requirement	0		
Complete First-Year Composition requirement.			
Term hours subtotal:	18		

Term 4 62 - 78 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	<ul style="list-style-type: none"> <li>Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407; Combination Pathway 1 Track: complete HDA 496; Combination Pathway 2 Track: complete HDA 496 or AME 330 (AME 330 may only be taken one time).</li> <li>Explore an <b>internship</b></li> </ul>
COM 230: Small Group Communication (SB)	3	C	
HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test OR AME 330: Digital-Physical Systems	3	C	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	16		

Summer 4 78 - 90 Credit Hours	Hours	Minimum Grade	Notes
IPI 484: Internship	6	Y	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	12		

Term 5 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	<ul style="list-style-type: none"> <li>Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407; Combination Pathway 1 Track: complete HDA 496; Combination Pathway 2 Track: complete HDA 496 or AME 330 (AME 330 may only be taken one time).</li> <li>Develop your <b>professional online presence</b></li> <li>Use Handshake to research <b>employment opportunities</b></li> </ul>
HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test OR AME 330: Digital-Physical Systems	3	C	
PSY 302: The Psychology of Positive Leadership	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s)	0		
Term hours subtotal:	15		

Term 6 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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★ IPI 496: Advanced Inquiry	3	C
FIS 432: Problem Solving Through Strategic Thinking	3	C
HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test OR AME 330: Digital-Physical Systems	3	C
LSE 305: Conceptualizing Learning: Theories in Practice	3	C
Upper Division Science and Society Elective	3	C
Term hours subtotal:	15	

- Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407; Combination Pathway 1 Track: complete HDA 496; Combination Pathway 2 Track: complete HDA 496 or AME 330 (AME 330 may only be taken one time).
- Gather professional references

- All students pursuing a B.S. or B.S.P. degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Design Pathway Track	Spaceworks Pathway Track	Combination Pathway 1 Track
Students complete two semesters of:	Students complete two semesters of:	Students complete both:
HDA 296: Creative Futures: Studio	SES 307: Space Works I	HDA 296: Creative Futures: Studio
Students complete four semesters of:	Students complete four semesters of:	AME 240: Introduction to Physical Computing
HDA 496: Creative Futures: Advanced Studio	SES 407: Space Works II: Model, Fabricate and Test	Students complete four semesters of:
		HDA 496: Creative Futures: Advanced Studio
Combination Pathway 2 Track		
Students complete both:		
HDA 296: Creative Futures: Studio		
AME 240: Introduction to Physical Computing		
Students complete three semesters of:		
HDA 496: Creative Futures: Advanced Studio		
Students complete:		
AME 330: Digital-Physical Systems		

Notes:

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**Cumulative GPA:** 2.00 minimum

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**Academic Recognition:** 56 minimum

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### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
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- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map



### Technological Leadership, BS




School/College: [The College of Liberal Arts and Sciences](#)



Location: [Online, ASU Local@Los Angeles](#)












LATECLDRBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.</li> <li>Select your <a href="#">career interest area</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 IPI 296: Inquiry	3	C	
ASU 101-LA: The ASU Experience	1		
Term hours subtotal:	7		

Term 1 - B 7 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HDA 296: Creative Futures: Studio OR SES 307: Space Works I	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Design Pathway Track: complete HDA 296; Spaceworks Pathway Track: complete SES 307</li> </ul>
MAT 265: Calculus for Engineers I (MA)	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	9		

Term 2 - A 16 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Students will complete IPI 296 twice.</li> </ul>
 IPI 296: Inquiry	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	10		

Term 2 - B 26 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HDA 296: Creative Futures: Studio OR SES 307: Space Works I	3	C	<ul style="list-style-type: none"> <li>Students who complete ENG 105 in Term 1 should complete ENG 215 or ENG 216 to complete one of the two "L" General Studies requirements.</li> <li>Design Pathway Track: complete HDA 296; Spaceworks Pathway Track: complete SES 307.</li> <li>Create a first draft <a href="#">resume</a></li> </ul>
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete ENG 101 or ENG 105 or ENG 107 course(s)	0		
Term hours subtotal:	6		

Summer 2 32 - 44 Credit Hours	Hours	Minimum Grade	Notes
IPI 484: Internship	6	Y	
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	12		
Term 3 - A 44 - 53 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Elective	3		
Term hours subtotal:	9		
Term 3 - B 53 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test	3	C	<ul style="list-style-type: none"> <li>• Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407</li> <li>• Develop your <b>skills</b></li> </ul>
CSE 110: Principles of Programming (CS)	3	C	
Global Awareness (G)	3		
 Complete Mathematics (MA) requirement Complete First-Year Composition requirement.			
Term hours subtotal:	9		
Term 4 - A 62 - 69 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Term hours subtotal:	7		
Term 4 - B 69 - 78 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test	3	C	<ul style="list-style-type: none"> <li>• Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407</li> <li>• Explore an <b>internship</b></li> </ul>
COM 230: Small Group Communication (SB)	3	C	
WPC 300: Problem Solving and Actionable Analytics	3	C	
Term hours subtotal:	9		
Summer 4 78 - 90 Credit Hours	Hours	Minimum Grade	Notes
IPI 484: Internship	6	Y	
Literacy and Critical Inquiry (L)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		
Term 5 - A 90 - 99 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IPI 496: Advanced Inquiry	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		

Term hours subtotal: 9

Term 5 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test	3	C	<ul style="list-style-type: none"> <li>• Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407</li> <li>• Develop your professional online presence</li> <li>• Use Handshake to research employment opportunities</li> </ul>
PSY 302: The Psychology of Positive Leadership	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s)	0		
Term hours subtotal:	6		

Term 6 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IPI 496: Advanced Inquiry	3	C	
FIS 432: Problem Solving Through Strategic Thinking	3	C	
LSE 305: Conceptualizing Learning: Theories in Practice	3	C	
Term hours subtotal:	9		

Term 6 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HDA 496: Creative Futures: Advanced Studio OR SES 407: Space Works II: Model, Fabricate and Test	3	C	<ul style="list-style-type: none"> <li>• Design Pathway Track: complete HDA 496; Spaceworks Pathway Track: complete SES 407</li> <li>• Gather professional references</li> </ul>
Upper Division Science and Society Elective	3	C	
Term hours subtotal:	6		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Design Pathway Track	Spaceworks Pathway Track
Students complete two semesters of:	Students complete two semesters of:
HDA 296: Creative Futures: Studio	SES 307: Space Works I
Students complete four semesters of:	Students complete four semesters of:
HDA 496: Creative Futures: Advanced Studio	SES 407: Space Works II: Model, Fabricate and Test

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LATCLMBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish</li> <li>Select your <b>Career Interest Communities</b> and play <a href="#">me3@ASU</a></li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake account</b> and build out your profile</li> <li>Create a first draft <b>resume</b></li> </ul>
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
TCL Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> <li>Explore opportunities to <b>study abroad</b></li> </ul>
TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) & C)	3	C	



Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).

Natural Science - Quantitative (SQ) 4

❗ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Completion of The College Second Language requirement is recommended by term 4</li> <li>• Explore an <b>internship</b></li> <li>• Thinking about graduate school or law school? Consider registering for a grad school <b>test prep course</b></li> </ul>
Media and Expressive Culture Track Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Upper division Spanish course requirement for the major may be fulfilled by AP credit earned</li> <li>• Develop your <b>professional online presence</b></li> </ul>
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
Media and Expressive Culture Track Course	3	C	
SPA Upper Division Elective	3	C	
Upper Division Elective OR TCL 484: Internship	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 304: Transborder Research Methods (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
Media and Expressive Culture Track Course	3	C	
TCL Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research	3	C	<ul style="list-style-type: none"> <li>• Gather <b>professional references</b></li> <li>• Attend <b>career fairs, workshops, and related events</b> offered by Career and Professional Development Services</li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
Media and Expressive Culture Track Course	3	C	
TCL Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <i>Necessary course signified by</i> ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Apply for full-time career opportunities
<i>Complete 4 courses:</i>			
Upper Division Elective	12		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

Media and Expressive Culture
TCL 211: Latinx Poetics (HU & C)
TCL 310: Folklore of the Southwest (HU & C)
TCL 328: U.S. Latino Religion and Culture (HU & C)
TCL 331: Mexican American History to 1900 (SB & H & C)
TCL 335: Historical Studies in Race, Crime, and the Law
TCL 350: Mexican and Chicana/o Artistic Production (HU & C & G)
TCL 351: Chicana/o and Latina/o Art (HU & C)
TCL 352: Chicana/o Film (C)
TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)
TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU)
TCL 464: Latina/o Literature ((L or HU) & C)
TCL 471: Latinos In Hollywood (HU & C)
TCL 485: Chicana and Latina Writers ((L or HU) & C)
TCL 490: Transborder Queer Performativity (HU & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Journalism and Mass Communication, BA

School/College: Walter Cronkite School of Journalism and Mass Comm

Location:

CSJMCBA

and

Transborder

Chicana/o

and

Latina/o

Studies

(Media and





Expressive



Culture),

BA

The College of Liberal Arts and Sciences

LATCLMBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Majors are expected to fulfill The College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper-division Spanish course.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> <li>Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

JMC 305: Multimedia Journalism	3	C
STP 226: Elements of Statistics (CS)	3	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
♦ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
♦ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16

Term 3 32 - 48 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	• Build your professional connections -- join the ASU Mentor Network
♦ TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) & C)	3	C	
♦ JMC 301: Intermediate Reporting and Writing (L)	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
♦ Complete First-Year Composition requirement.			
♦ Complete Mathematics (MA) requirement.			
♦ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 4 48 - 65 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
♦ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	• Complete Spanish language proficiency by end of semester 4 for The College requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) General Studies requirement. • Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..	4	C	
♦ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 5 65 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism	3	C	• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
★ TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB)	3	C	
JMC 435: Latino and Transnational Issues	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 402: Mass Communication Law	3	C	• Explore an <b>internship</b>
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
JMC 470: Depth Reporting	3	C	
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3		
Media and Expressive Culture Track Course	3	C	
SPA Upper Division Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research	3	C	• Gather <b>professional references</b>
★ Upper Division JMC Professional Program Course	3	C	
JMC 484: Internship	3	Y	
Media and Expressive Culture Track Course	3	C	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Professional programs require placement. Please consult your academic advisor. • Apply for <b>full-time career opportunities</b> .
Upper Division JMC Advanced Skills Course	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Complete 2 courses: Media and Expressive Culture Track Course	6	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

- Students must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.
- Students must complete 15 credit hours from the Media and Expressive Culture Track.

Hide Course List(s)/Track Group(s)

Philosophy Course

JMC Professional Program Courses  
Academic Catalog Archive 2021-2022

JMC Advanced Skills Course

HON 171: The Human Event (L or HU)	JMC 477: New Media Innovation and Entrepreneurship Lab	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)	JMC 478: Cronkite News: Los Angeles	JMC 330: Television Reporting
PHI 103: Principles of Sound Reasoning (L or HU)	JMC 478: Cronkite News: Phoenix Bureau	JMC 333: Advanced Bilingual Broadcast Reporting
PHI 105: Intro to Ethics (HU)	JMC 479: Cronkite News: Washington Bureau	JMC 351: Photojournalism I
PHI 306: Applied Ethics (HU)	JMC 485: Television Magazine	JMC 412: Opinion Writing
	JMC 486: Digital Audiences Lab	JMC 413: Advanced Editing
	JMC 487: Howard Center for Investigative Journalism	JMC 414: Digital Graphic Design
		JMC 421: Advanced Digital Storytelling
		JMC 430: Sports Marketing and Campaigns
		JMC 434: Advanced Bilingual Reporting
		JMC 437: Documentary Production
		JMC 440: Magazine Writing
		JMC 441: Narrative Writing and Reporting.
		JMC 451: Photojournalism II
		JMC 453: Reporting on Business and the Economy
		JMC 455: Digital Media Entrepreneurship
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Los Angeles
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 479: Cronkite News: Washington Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab
		JMC 487: Howard Center for Investigative Journalism

#### Media and Expressive Culture Track

TCL 211: Latinx Poetics (HU & C)

TCL 310: Folklore of the Southwest (HU & C)

TCL 328: U.S. Latino Religion and Culture (HU & C)

TCL 331: Mexican American History to 1900 (SB & H & C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 350: Mexican and Chicana/o Artistic Production (HU & C & G)

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TCL 351: Chicana/o and Latina/o Art (HU & C)

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TCL 352: Chicana/o Film (C)

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TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

---

TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU)

---

TCL 464: Latina/o Literature ((L or HU) & C)

---

TCL 471: Latinos In Hollywood (HU & C)

---

TCL 484: Internship

---

TCL 485: Chicana and Latina Writers ((L or HU) & C)

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TCL 490: Transborder Queer Performativity (HU & C)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 129

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map



### Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA



School/College: The College of Liberal Arts and Sciences

Location: Tempe campus

LATCLTBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake account</b> and build out your profile</li> <li>Create a first draft <b>resume</b></li> </ul>
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
TCL Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> <li>Explore opportunities to <b>study abroad</b></li> </ul>
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Literacy and Critical Inquiry (L)	3		

Natural Science - Quantitative (SQ) 4

◆ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ◆	Hours	Minimum Grade	Notes
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◆ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)

3

C

- Completion of The College Second Language requirement is recommended by term 4

Second Language: Requirement satisfied through the following:

\* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).

4

C

- Explore an **internship**

Transborder Community Development & Health Track Course

3

C

- Thinking about graduate school or law school? Consider registering for a grad school **test prep course**

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

Elective

2

Term hours subtotal: 16

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB)

3

C

- Upper division Spanish course requirement for the major may be fulfilled by AP credit earned

TCL 323: Latina/o Health Issues (SB & C)

3

C

TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)

3

C

- Develop your **professional online presence**

SPA Upper Division Elective

3

C

Upper Division Elective OR TCL 484: Internship

3

Term hours subtotal: 15

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ TCL 304: Transborder Research Methods (SB & C)

3

C

- Use Handshake to research **employment opportunities**

Transborder Community Development & Health Track Course

3

C

TCL Elective

3

C

- Complete an in person or virtual **practice interview**

Upper Division Literacy and Critical Inquiry (L)

3

Elective

3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ TCL 305: Transborder Practicum and Field Research

3

C

- Gather **professional references**

TCL 321: Transborder Community Development and Health OR SOC 320: Transborder Community Development and Health

3

C

- Attend **career fairs, workshops, and related events** offered by Career and Professional Development Services

TCL Elective

3

C

Complete 2 courses:

Upper Division Elective

6

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
--	-------	---------------	-------

★ TCL 498: Pro-Seminar	3	C
Transborder Community Development & Health Track Course	3	C
Complete 3 courses: Upper Division Elective	9	
Term hours subtotal:	15	

- Apply for full-time career opportunities

Hide Course List(s)/Track Group(s)

Transborder Community Development & Health
TCL 315: Latinx Family Structures (SB)
TCL 326: Health of Chicanas and Latinas (SB & C)
TCL 327: Health and Migration (SB)
TCL 342: Social Demographics of Latino Populations (SB & C)
TCL 410: Race, Medicine, and the Body (L)
TCL 422: U.S.-Mexico Border Health
TCL 424: Theory and Practice of Community Development and Health (SB)
TCL 443: Political Ecology of the Border (SB & G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Journalism and Mass Communication, BA

School/College: Walter Cronkite School of Journalism and Mass Comm

Location:  
CSJMCBA

and

Transborder

Chicana/o

and Latina/o

Studies

(Transborder

Community





Development



and Health),

BA

The College of Liberal Arts and Sciences

LATCLTBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Majors are expected to fulfill The College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper-division Spanish course.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 201: News Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b></li> <li>Develop your <b>professional online presence</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

JMC 305: Multimedia Journalism	3	C
STP 226: Elements of Statistics (CS)	3	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
❖ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16

Term 3 32 - 48 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ JMC 301: Intermediate Reporting and Writing (L)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
❖ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	
JMC 366: Journalism Ethics and Diversity	3	C	
Transborder Community Development and Health Track Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
❖ Complete First-Year Composition requirement.			
❖ Complete Mathematics (MA) requirement.			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 4 48 - 65 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Complete Spanish language proficiency by end of semester 4 for The College requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) General Studies requirement.</li> <li>• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.</li> </ul>
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..	4	C	
Natural Science - Quantitative (SQ)	4		
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 5 65 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism	3	C	
★ TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB)	3	C	
JMC 435: Latino and Transnational Issues	3	C	
TCL 323: Latina/o Health Issues (SB & C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
★ Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes	
★ JMC 402: Mass Communication Law	3	C	<ul style="list-style-type: none"> <li>• Explore an <a href="#">internship</a></li> </ul>	
★ TCL 304: Transborder Research Methods (SB & C)	3	C		
JMC 470: Depth Reporting	3	C		
POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3			
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C		
SPA Upper Division Elective	3	C		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).				
★ Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:				18

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research	3	C	<ul style="list-style-type: none"> <li>• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.</li> <li>• Gather <a href="#">professional references</a></li> </ul>
★ Upper Division JMC Professional Program Course	3	C	
JMC 484: Internship	3	Y	
TCL 321: Transborder Community Development and Health OR SOC 320: Transborder Community Development and Health	3		
Philosophy Course AND Humanities, Arts and Design (HU)	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:			15

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	<ul style="list-style-type: none"> <li>• Professional programs require placement. Please consult your academic advisor.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Upper Division JMC Advanced Skills Course	3	C	
Complete 2 courses:	6	C	
Transborder Community Development and Health Track Course			
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:			15

- Students must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.
- Students must complete 15 credit hours from the Transborder Community Development and Health track.

Hide Course List(s)/Track Group(s)

Philosophy Course	JMC Advanced Skills Course
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HON 171: The Human Event (L or HU)	JMC 320: Newscast Producing	Transborder Community Development and Health Track
PHI 101: Introduction to Philosophy (HU)	JMC 330: Television Reporting	
PHI 103: Principles of Sound Reasoning (L or HU)	JMC 333: Advanced Bilingual Broadcast Reporting	TCL 315: Latinx Family Structures (SB)
PHI 105: Intro to Ethics (HU)	JMC 351: Photojournalism I	TCL 326: Health of Chicanas and Latinas (SB & C)
PHI 306: Applied Ethics (HU)	JMC 412: Opinion Writing	TCL 327: Health and Migration (SB)
	JMC 413: Advanced Editing	TCL 342: Social Demographics of Latino Populations (SB & C)
	JMC 414: Digital Graphic Design	TCL 410: Race, Medicine, and the Body (L)
	JMC 421: Advanced Digital Storytelling	TCL 422: U.S.-Mexico Border Health
	JMC 430: Sports Marketing and Campaigns	TCL 424: Theory and Practice of Community Development and Health (SB)
	JMC 434: Advanced Bilingual Reporting	TCL 443: Political Ecology of the Border (SB & G)
	JMC 437: Documentary Production	TCL 447: Gender, Culture, and Development ((L or SB) & G)
	JMC 440: Magazine Writing	TCL 484: Internship
	JMC 441: Narrative Writing and Reporting.	
	JMC 451: Photojournalism II	
	JMC 453: Reporting on Business and the Economy	
	JMC 455: Digital Media Entrepreneurship	
	JMC 457: Advanced Radio Reporting	
	JMC 460: Advanced Online Media	
	JMC 465: Telling Stories with Data	
	JMC 477: New Media Innovation and Entrepreneurship Lab	
	JMC 478: Cronkite News: Los Angeles	
	JMC 478: Cronkite News: Phoenix Bureau	
	JMC 479: Cronkite News: Washington Bureau	
	JMC 485: Television Magazine	
	JMC 486: Digital Audiences Lab	
	JMC 487: Howard Center for Investigative Journalism	
<b>JMC Professional Program Courses</b>		
	JMC 477: New Media Innovation and Entrepreneurship Lab	
	JMC 478: Cronkite News: Los Angeles	
	JMC 478: Cronkite News: Phoenix Bureau	
	JMC 479: Cronkite News: Washington Bureau	
	JMC 485: Television Magazine	



**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 129

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map



### Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA



School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LATCLUBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake account</b> and build out your profile</li> <li>Create a first draft <b>resume</b></li> </ul>
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
TCL Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> <li>Explore opportunities to <b>study abroad</b></li> </ul>
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	

Literacy and Critical Inquiry (L)	3
Natural Science - Quantitative (SQ)	4
🚩 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	14

Term 4 44 - 60 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Completion of The College Second Language requirement is recommended by term 4</li> <li>• Explore an <a href="#">internship</a></li> <li>• Thinking about graduate school or law school? Consider registering for a grad school <a href="#">test prep course</a></li> </ul>
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB)	3	C	<ul style="list-style-type: none"> <li>• Upper division Spanish course requirement for the major may be fulfilled by AP credit earned</li> <li>• Develop your <a href="#">professional online presence</a></li> </ul>
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) OR SOC 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
SPA Upper Division Elective	3	C	
Upper Division Elective OR TCL 484: Internship	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TCL 304: Transborder Research Methods (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> </ul>
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
TCL Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 90 - 105 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TCL 305: Transborder Practicum and Field Research	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a></li> <li>• Attend <a href="#">career fairs, workshops, and related events</a> offered by Career and Professional Development Services</li> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
TCL Elective	3	C	
Complete 2 courses:			
Term hours subtotal:			

Upper Division Elective

6

Term hours subtotal: 15

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	• Apply for full-time career opportunities
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

US & Mexican Regional Immigration Policy & Economy

TCL 315: Latinx Family Structures (SB)

TCL 327: Health and Migration (SB)

TCL 331: Mexican American History to 1900 (SB & H & C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)

TCL 341: Latinas/os and the City (C)

TCL 342: Social Demographics of Latino Populations (SB & C)

TCL 377: Arizona, Immigration, Latinos and Politics

TCL 443: Political Ecology of the Border (SB & G)

TCL 444: The Ethnography of Mexico and the Borderlands (SB & G)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

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**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Journalism and Mass Communication, BA

School/College: [Walter Cronkite School of Journalism and Mass Comm](#)

Location:

CSJMCBA

and

Transborder

Chicana/o

and

Latina/o

Studies (US

and

Mexican

Regional

Immigration






Policy and

Economy),

BA

[The College of Liberal Arts and Sciences](#)

LATCLUBA

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 JMC 101: Grammar for Journalists	1	B-	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Majors are expected to fulfill The College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper-division Spanish course.</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
 JMC 110: Principles and History of Journalism (SB)	3	C	
ASU 101-CS: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JMC 102: Coding for Journalists	1	C	
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	

❖ JMC 201: News Reporting and Writing (L)	3	C
.....		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C
.....		
JMC 305: Multimedia Journalism	3	C
.....		
STP 226: Elements of Statistics (CS)	3	
.....		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).		
.....		
❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
.....		
❖ Minimum 2.50 GPA ASU Cumulative.		
.....		
Term hours subtotal:	16	

- Select your **career interest area** and play **me3@ASU**
- Develop your **professional online presence**

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C
.....		
❖ JMC 301: Intermediate Reporting and Writing (L)	3	C
.....		
JMC 366: Journalism Ethics and Diversity	3	C
.....		
U.S. and Mexican Regional Immigration Policy and Economy Track Course	3	C
.....		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).		
.....		
❖ Complete First-Year Composition requirement.		
.....		
❖ Complete Mathematics (MA) requirement.		
.....		
❖ Minimum 2.50 GPA ASU Cumulative.		
.....		
Term hours subtotal:	16	

- Build your professional connections -- join the **ASU Mentor Network**

Term 4 48 - 65 Credit Hours <b>Critical course signified by</b> ❖	Hours	Minimum Grade	Notes
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❖ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C
.....		
JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling	3	C
.....		
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	
.....		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..		
.....		
Natural Science - Quantitative (SQ)	4	C
.....		
❖ Minimum 2.50 GPA ASU Cumulative.		
.....		
Term hours subtotal:	17	

- Complete Spanish language proficiency by end of semester 4 for The College requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) General Studies requirement.
- Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.

Term 5 65 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ JMC 473: The Business and Future of Journalism	3	C
.....		
★ TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB)	3	C
.....		
JMC 435: Latino and Transnational Issues	3	C
.....		

TCL 332: Mexican American History Since 1900 (SB & H & C) OR  
HST 332: Mexican American History Since 1900 (SB & H & C) 3 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 6 81 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ JMC 402: Mass Communication Law 3 C

• Explore an **internship**

★ TCL 304: Transborder Research Methods (SB & C) 3 C

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) OR SOC 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) 3 C

JMC 470: Depth Reporting 3 C

POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB) 3

SPA Upper Division Elective 3 C

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 18

Term 7 99 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Upper Division JMC Professional Program Course 3 C

• Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.

★ TCL 305: Transborder Practicum and Field Research 3 C

JMC 484: Internship 3 Y

Philosophy Course AND Humanities, Arts and Design (HU) 3

U.S. and Mexican Regional Immigration Policy and Economy Track Course 3 C

• Gather **professional references**

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Term 8 114 - 129 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ TCL 498: Pro-Seminar 3 C

• Professional programs require placement. Please consult your academic advisor.

ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) 3

• Apply for **full-time career opportunities**

Upper Division JMC Advanced Skills Course 3 C

Complete 2 courses:

U.S. and Mexican Regional Immigration Policy and Economy Track Course 6 C

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

- Students must complete 15 credit hours from the U.S. and Mexican Regional Immigration Policy and Economy Track.



- Students must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Hide Course List(s)/Track Group(s)

Philosophy Course	U.S. and Mexican Regional Immigration Policy and Economy Track	JMC Advanced Skills Course
HON 171: The Human Event (L or HU)	TCL 315: Latinx Family Structures (SB)	JMC 320: Newscast Producing
PHI 101: Introduction to Philosophy (HU)	TCL 327: Health and Migration (SB)	JMC 330: Television Reporting
PHI 103: Principles of Sound Reasoning (L or HU)	TCL 331: Mexican American History to 1900 (SB & H & C)	JMC 333: Advanced Bilingual Broadcast Reporting
PHI 105: Intro to Ethics (HU)	TCL 335: Historical Studies in Race, Crime, and the Law	JMC 351: Photojournalism I
PHI 306: Applied Ethics (HU)	TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)	JMC 412: Opinion Writing
	TCL 341: Latinas/os and the City (C)	JMC 413: Advanced Editing
	TCL 342: Social Demographics of Latino Populations (SB & C)	JMC 414: Digital Graphic Design
	TCL 377: Arizona, Immigration, Latinos and Politics	JMC 421: Advanced Digital Storytelling
	TCL 443: Political Ecology of the Border (SB & G)	JMC 430: Sports Marketing and Campaigns
	TCL 444: The Ethnography of Mexico and the Borderlands (SB & G)	JMC 434: Advanced Bilingual Reporting
	TCL 484: Internship	JMC 437: Documentary Production
		JMC 440: Magazine Writing
		JMC 451: Photojournalism II
		JMC 453: Reporting on Business and the Economy
		JMC 455: Digital Media Entrepreneurship
		JMC 460: Advanced Online Media
		JMC 465: Telling Stories with Data
		JMC 477: New Media Innovation and Entrepreneurship Lab
		JMC 478: Cronkite News: Los Angeles
		JMC 478: Cronkite News: Phoenix Bureau
		JMC 479: Cronkite News: Washington Bureau
		JMC 485: Television Magazine
		JMC 486: Digital Audiences Lab
		JMC 487: Howard Center for Investigative Journalism
JMC Professional Program Courses		
JMC 477: New Media Innovation and Entrepreneurship Lab		
JMC 478: Cronkite News: Los Angeles		
JMC 478: Cronkite News: Phoenix Bureau		

JMC 479: Cronkite News: Washington Bureau

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JMC 485: Television Magazine

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JMC 486: Digital Audiences Lab

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JMC 487: Howard Center for Investigative  
Journalism

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 129

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Urban Planning, BSP




School/College: [The College of Liberal Arts and Sciences](#)



Location: [Tempe campus](#)



ARPUPBSP

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Play <a href="#">me3@ASU</a> and select your <a href="#">career interest area</a>.</li> <li>Set up your <a href="#">Handshake account</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB)	3		
<i>Complete 2 courses:</i>			
Elective	6		
Term hours subtotal:	16		



Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
GIS OR PUP Elective	3	C	
<i>Complete 2 courses:</i>			
Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	<ul style="list-style-type: none"> <li>For a full list of Science and Society courses, go <a href="#">here</a>.</li> </ul>
Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	13		

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PUP 301: Introduction to Urban Planning (L)	3	C	<ul style="list-style-type: none"> <li>• Visit <a href="#">Career and Professional Development Services</a> and meet with a career advisor for assistance with career planning and networking.</li> <li>• Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available <a href="#">here</a>.</li> </ul>
GIS 270: Statistics for Geography and Planning	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PUP Upper Division Elective	3	C	<ul style="list-style-type: none"> <li>• For more information about the Science and Society requirement, visit <a href="#">this webpage</a>.</li> <li>• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> <li>• Students interested in pursuing an accelerated master's degree in <a href="#">urban and environmental planning</a> should initiate contact with <a href="#">graduate advising</a>.</li> </ul>
Upper Division Science and Society Elective	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PUP Upper Division Elective OR PUP 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
Related Area Course	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PUP Upper Division Elective OR PUP 484: Internship	3	C	<ul style="list-style-type: none"> <li>• Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available at the School of Geographical Sciences &amp; Urban Planning <a href="#">Job List</a>, <a href="#">ACSP Career Page</a>, and <a href="#">APA Career Center</a>.</li> </ul>
GIS OR PUP Upper Division Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PUP 424: Planning Methods	4	C	
Related Area Course	3	C	

Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3
<hr/>	
Complete 2 courses:	5
Upper Division Elective	
<hr/>	
Term hours subtotal:	15

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses
ALA OR ASB OR GCU OR GIS OR GPH OR PUP OR SGS OR SOC OR SOS Elective

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum  
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative Applications (CS)
  - Humanities, Arts and Design (HU)
  - Social-Behavioral Sciences (SB)
  - Natural Science - Quantitative (SQ)
  - Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Urban Planning, BSP

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Online, ASU Local@Los Angeles](#)



ARPUPBSP

Term 1 - A 0 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101-LA: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Play <a href="#">me3</a> and select your <a href="#">career interest area</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li><a href="#">Mathematics Placement Assessment</a> score determines placement in mathematics course</li> <li>Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available <a href="#">here</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
GIS OR PUP Elective	3	C	
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 32 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	

Natural Science - Quantitative (SQ)	4
Term hours subtotal:	7

- Develop your **professional online presence**.

Term 3 - B 32 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G)	3	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3	
 Complete First-Year Composition requirement.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	6	


- Create a first draft resume.


Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
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 GIS 270: Statistics for Geography and Planning	3	C
Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	6	

Term 4 - B 44 - 51 Credit Hours	Hours	Minimum Grade	Notes
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Related Area Course	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	7	

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 PUP 301: Introduction to Urban Planning (L)	3	C
Related Area Course	3	C
Term hours subtotal:	6	

- Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available [here](#).

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
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Science and Society Elective	3	C
Elective	3	
Term hours subtotal:	6	

- For a full list of Science and Society courses, go [here](#).
- Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available [here](#).

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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 PUP Upper Division Elective OR PUP 484: Internship	3	C
Elective	3	
Term hours subtotal:	6	

- Students interested in continuing to graduate study following the completion of the bachelor's program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the

graduate programs offered through the School of Geographical Sciences and Urban Planning is available [here](#).

- Students planning to enter the job market after completion of the bachelor's program should work with a career advisor from [Career and Professional Development Services](#) to explore networking opportunities.

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PUP Upper Division Elective OR PUP 484: Internship	3	C	• For more information on the Science and Society requirement, go to <a href="#">this webpage</a> .
Upper Division Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		• Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available at the School of Geographical Sciences and Urban Planning <a href="#">job list</a> , <a href="#">ACSP career page</a> , and <a href="#">APA Career Center</a> .
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		• Gather <a href="#">professional references</a> .
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PUP Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 104 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	5		

Term 9 - B 104 - 111 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PUP 424: Planning Methods	4	C	• Update and polish your <a href="#">resume</a> .



Elective	3
Term hours subtotal:	7

Term 10 - A 111 - 117 Credit Hours <b>Necessary course signified by</b>	Hours	Minimum Grade	Notes
★ GIS OR PUP Upper Division Elective	3	C	• Apply for full-time employment opportunities.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Term hours subtotal:	3		

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://thecollege.asu.edu/resources/science-society>. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses

ALA OR ASB OR GCU OR GIS OR GPH OR PUP OR SGS OR SOC OR SOS Elective

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Women and Gender Studies, BA

School/College: [The College of Liberal Arts and Sciences](#)

Location: [Tempe campus](#)

LAWSTBA

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST 100: Women, Gender, and Society (SB & C)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Women and Gender Studies Related Area Course	3	C	<ul style="list-style-type: none"> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	16		

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ WST 377: History of American Feminist Thought (H & C) OR WST 378: Global Feminist Theory (L & G)	3	C	• Explore an <b>internship</b>
Upper Division Women and Gender Studies Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WST 380: Race, Gender, and Class (SB & C)	3	C	• Develop your <b>professional online presence</b>
WST Upper Division Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	2		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Women and Gender Studies Related Area Course	3	C	
Complete 2 courses: WST Upper Division Elective	6	C	
Complete 2 courses: Upper Division Elective	6		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WST 4** Elective OR WST 484: Internship	3	C	• WST 484: Internship preferred for Tempe campus students. • WST 484 requires departmental approval for enrollment. • Gather <b>professional references</b> .
Upper Division Women and Gender Studies Related Area Course	3	C	
WST Upper Division Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WST 498: Pro-Seminar (L)	3	C	
Upper Division Women and Gender Studies Related Area Course	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

Women and Gender Studies Related Area Courses

AFR 375: Race, Gender and Sport (SB & C)

AFR 460: Race, Gender, and Media (C) or  
MCO 460: Race, Gender, and Media (C)

APA 330: Asian Pacific American Genders  
and Sexualities ((L or SB) & C)

ARB 341: Quran Text and Women (HU & H)

ARS 485: Women in the Visual Arts (L)

ASB 210: Human Sexuality: Anthropological  
Perspectives (SB & G)

ASB 211: Women in Other Cultures ((HU or  
SB) & G)

COM 316: Gender and Communication (SB &  
C)

COM 416: Gender and Race in the Media

COM 446: Performance of Literature Written  
by Women ((L or HU) & C)

CRJ 305: Gender, Crime, and Criminal Justice  
(C)

ENG 364: Women and Literature (HU)

ENG 454: Gender and Literature (L or HU)

ENG 455: Contemporary Women Writers

ENG 460: Ethnic Women Writers

ENG 461: Studies in Women and Literature

ENG 462: Africana Literature (HU & G)

FAS 331: Marriage and Family Relationships  
(SB)

FAS 332: Human Sexuality (SB)

FAS 436: Sexuality in Mid-Life and Beyond

HST 327: Women in U.S. History, 1600 to  
1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980  
((HU or SB) & C & H)

HST 329: Women in 20th-Century U.S. West  
(H & C)

HST 465: Women in Europe, 1750 to Present  
(HU or SB) & H)

IAP 310: Women in Art

JUS 329: Domestic Violence (SB)

JUS 420: Women, Work, and Justice (L or  
SB) & C)

JUS 422: Women, Law, and Social Control

JUS 460: Feminism and Justice (C)

KIN 441: Physiology of Women in Sport (L)

LSC 363: Genes, Race, Gender, and Society  
(L)

MUS 410: History of Women in Music (HU &  
C & H)

POS 435: Women and Politics (SB & C)

POS 436: Gender, Sexuality, Nation-States

POS 437: Women, Power, and Politics (G)

PSY 369: Biology of Human Sexuality

PSY 385: Psychology of Gender (SB)

PUP 445: Women and Environments (C)

REL 369: Women in Islam

REL 390: Women, Gender and Religion (HU  
& G)

REL 393: Religion and Sex (HU)

SOC 264: Gender and Society (SB & C)

SOC 315: Courtship and Marriage (SB)

SOC 424: Women and Health (SB)

WST Upper Division Elective

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map

### Women and Gender Studies, BA

School/College: [The College of Liberal Arts and Sciences](#)




Location: [Online, ASU Local@Los Angeles](#)

LAWSTBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST 100: Women, Gender, and Society (SB & C)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li><b>ASU Language Placement and Testing:</b> Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.</li> </ul>
ASU 101-LA: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		



Term 1 - B 7 - 16 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	9		




Term 2 - A 16 - 23 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		



Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Women and Gender Studies Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			



Term hours subtotal: 7

Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST Elective	3	C	
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal: 7			


Term 3 - B 37 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following:			
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal: 7			

Term 4 - A 44 - 51 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 WST 377: History of American Feminist Thought (H & C) OR WST 378: Global Feminist Theory (L & G)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal: 7			

Term 4 - B 51 - 60 Credit Hours	Hours	Minimum Grade	Notes
WST Upper Division Elective	3	C	• Explore an <b>internship</b> .
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal: 9			

Term 5 - A 60 - 67 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 WST 380: Race, Gender, and Class (SB & C)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal: 7			

Term 5 - B 67 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 WST Upper Division Elective	3	C	• Develop your <b>professional online presence</b>
Upper Division Women and Gender Studies Related Area Course	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal: 9			

Term 6 - A 76 - 82 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 WST Upper Division Elective	3	C	
Elective	3		
Term hours subtotal: 6			

Term 6 - B 82 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Women and Gender Studies Related Area Course	3	C	
Upper Division Elective	3		
Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	8		

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WST 4** Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Women and Gender Studies Related Area Course	3	C	
WST Upper Division Elective	3	C	
Term hours subtotal:	6		• Gather professional references

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WST 498: Pro-Seminar (L)	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Women and Gender Studies Related Area Course	3	C	
Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

- Women and Gender Studies Related Area Course
- AFR 375: Race, Gender and Sport (SB & C)
- AFR 460: Race, Gender, and Media (C) or MCO 460: Race, Gender, and Media (C)
- APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C)
- ARS 485: Women in the Visual Arts (L)
- COM 316: Gender and Communication (SB & C)

CRJ 305: Gender, Crime, and Criminal Justice  
(C)

ENG 460: Ethnic Women Writers

FAS 331: Marriage and Family Relationships  
(SB)

FAS 332: Human Sexuality (SB)

HST 327: Women in U.S. History, 1600 to  
1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980  
((HU or SB) & C & H)

JUS 329: Domestic Violence (SB)

POS 435: Women and Politics (SB & C)

PSY 385: Psychology of Gender (SB)

REL 390: Women, Gender and Religion (HU  
& G)

SOC 264: Gender and Society (SB & C)

SOC 315: Courtship and Marriage (SB)

SOC 424: Women and Health (SB)

WST Upper Division Elective

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Health Entrepreneurship and Innovation), **BAS**

School/College: [Edson College of Nursing and Health Innovation](#)

Location: [Downtown Phoenix campus](#), [West campus](#)

NUHCIBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	
★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing	3	C	
★ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	
Complete 2 courses:			
Any needed lower division General Studies requirement OR Elective	6		
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Update your <a href="#">resume</a>.</li> <li>• Join a <a href="#">professional organization</a>.</li> <li>• Activate your <a href="#">Handshake</a> account and build your profile.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU) OR BIS 345: Organizational Ethics (HU) or OGL 345: Organizational Ethics (HU) OR IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) OR LES 305: Business Law and Ethics for Managers OR MED 320: Applied Medical/Health Care Ethics (HU) OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU)	3	C	
★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Students with a transfer statistics course may take an elective. Please check with your advisor.</li> <li>• Students with transfer courses meeting ASU's Humanities, Arts and Design (HU) requirements may take an elective. Please check with your advisor.</li> <li>• Develop your <a href="#">professional online presence</a>.</li> <li>• Develop your <a href="#">skills</a>.</li> <li>• Connect with your advisor to learn more about the accelerated pathways to the <a href="#">MS in Aging and Master of Healthcare Innovation</a>. These innovative pathways</li> </ul>

★ STP 226: Elements of Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS) OR STP 420: Introductory Applied Statistics (CS) OR SOC 390: Social Statistics I (CS)	3	C
.....		
Complete 2 courses: Upper Division Elective	6	
.....		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
.....		
Term hours subtotal:	15	

provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses:			
★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	6	C	<ul style="list-style-type: none"> <li>• Explore graduate programs including the Master of Healthcare Innovation (MHI) degree at ASU.</li> <li>• Gather academic and professional references.</li> <li>• Complete an in person or virtual practice interview.</li> </ul>
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
★ HCR 406: Health Literacy for Health Care Professionals	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIS 343: Social Processes in Organizations (SB) OR BIS 353: Interdisciplinary Leadership (SB) OR COM 430: Leadership in Group Communication OR OGL 350: Diversity and Organizations (L & C) OR OGL 355: Leading Organizational Innovation and Change OR PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB)	3	C	<ul style="list-style-type: none"> <li>• Connect with us as a member of our alumni community.</li> <li>• Update your resume.</li> <li>• Use Handshake to research employment opportunities.</li> </ul>
.....			
Complete 2 courses:			
★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Health Entrepreneurship and Innovation), **BAS**

School/College: Edson College of Nursing and Health Innovation

Location: Online, ASU Local@Los Angeles

NUHCIBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	
★ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	<ul style="list-style-type: none"> <li>• Update your <b>resume</b>.</li> <li>• Join a <b>professional organization</b>.</li> </ul>
Term hours subtotal:	6		

Term 5 - B 66 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BIS 345: Organizational Ethics (HU) or OGL 345: Organizational Ethics (HU) OR LES 305: Business Law and Ethics for Managers OR ★ MED 320: Applied Medical/Health Care Ethics (HU) OR PHI 306: Applied Ethics (HU) OR PHI 320: Bioethics (HU) OR PHI 360: Business and Professional Ethics (HU)	3	C	<ul style="list-style-type: none"> <li>• Students with a transfer statistics course may take an elective. Please check with your advisor.</li> <li>• Students with transfer courses meeting general studies may take electives. Please check with your advisor for details.</li> </ul>
★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing	3	C	
★ STP 226: Elements of Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS) OR STP 420: Introductory Applied Statistics (CS) OR SOC 390: Social Statistics I (CS)	3	C	<ul style="list-style-type: none"> <li>• Activate your <b>Handshake</b> account and build your profile.</li> <li>• Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
Term hours subtotal:	9		

Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BIS 343: Social Processes in Organizations (SB) OR BIS 353: Interdisciplinary Leadership (SB) OR COM 430: Leadership in Group Communication OR OGL 350: Diversity and Organizations (L & C) ★ OR OGL 355: Leading Organizational Innovation and Change OR	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> <li>• Connect with your advisor to learn more about the accelerated pathways to the <b>MS</b></li> </ul>



PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB)

HCI 344: Management and Leadership in Health Organizations OR

HCI 412: Transforming Health Care: A Systems Perspective for

★ Innovation OR HCI 421: Health Care Policy: The Innovator's View 3 C  
OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care

Term hours subtotal: 6

in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.

Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation

★ OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care 3 C

- Develop your skills.

★ HCR 406: Health Literacy for Health Care Professionals 3 C

Any needed lower division General Studies requirement OR Elective 3

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 9

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCR 400: Evidence-Based Practice for the Health Care Professional 3 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

- Explore graduate programs including the Master of Healthcare Innovation (MHI) degree at ASU.
- Gather academic and professional references.

Term hours subtotal: 6

Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation

★ OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care 3 C

- Complete a virtual practice interview.

Upper Division Elective 3

Any needed lower division General Studies requirement OR Elective 3

Term hours subtotal: 9

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation

★ OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care 3 C

- Update your resume.
- Use Handshake to research employment opportunities.

Upper Division Elective 3

Term hours subtotal: 6

Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation

- Connect with us as a member of our alumni community.

★ OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C
<hr/>		
Complete 2 courses:		
Any needed lower division General Studies requirement OR Elective	6	
<hr/>		
Term hours subtotal:	9	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Community Health, BS

School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus

NUCHLTBS


Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b>, play me3@ASU and review <b>academic programs</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> <li>Meet with your <b>First Year Success Coach</b>.</li> <li>Attend the <b>Edson College Health Careers Expo</b>.</li> </ul>
CDE 232: Human Development (SB) OR HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB) OR SOC course (SB) (SOC 101 recommended)	3	C	
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> <li>Attend a <b>Study Abroad 101 Session</b>.</li> <li>Explore <b>engagement opportunities</b> in the Edson College of Nursing and Health Innovation.</li> <li>Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
 CDE 232: Human Development (SB) OR HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB) OR SOC course (SB) (SOC 101 recommended)	6	C	
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	

Complete 3 courses:

CDE 232: Human Development (SB) OR HCR 210: Ethics for the


Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB) OR SOC course (SB) (SOC 101 recommended)	9	C
MIC 205: Microbiology (SG)	3	C
MIC 206: Microbiology Laboratory (SG)	1	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	17	

- Develop your **skills**.
- Explore **minors or certificates**.

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
HCR 231: Fundamentals of Community Health	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Schedule an appointment with your <b>advisor</b> to review your academic progress.</li> </ul>
HCR 240: Human Pathophysiology	4	C	
COM 225: Public Speaking (L)	3	C	
NTR 241: Human Nutrition	3	C	
Term hours subtotal:	13		

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses: CHS 340: Health Theory OR HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health OR HCR 336: Environmental Community Health	6	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> <li>• Complete <b>informational interviews</b>.</li> </ul>
SOC 352: Social Change (SB & G & H) OR HCR 471: Interprofessional Education and Community Health	3	C	
TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	
PAF 311: Leadership and Change (SB)	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses: CHS 340: Health Theory OR HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health OR HCR 336: Environmental Community Health	6	C	<ul style="list-style-type: none"> <li>• Connect with your advisor to learn more about the accelerated pathways to the <b>MS in Aging</b> and <b>Master of Healthcare Innovation</b>. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.</li> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
HCR 301: Research Methods for the Health Care Professional	3	C	
HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
HCR 484: Internship OR HCR 473: Interprofessional Education and Comprehensive Systems Health OR Elective	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
HCI 311: Health Innovation: Foundational Concepts	3	C	<ul style="list-style-type: none"> <li>• Explore graduate programs including ASU's <b>Master of Healthcare Innovation, MS in Aging</b>,</li> </ul>

★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C
★ HCR 406: Health Literacy for Health Care Professionals	3	C
★ HCR 435: Leaders in Community Health	3	C
Elective	3	
Term hours subtotal:		15

MS in Health Care Simulation, the MS in Regulatory Science, and the MS in Nursing (Entry to Nursing Practice).

- Gather professional references.
- Update your resume.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
★ HCR 430: Foundation to Health Care Systems	3	C	
★ HCR 439: Community Health Capstone	3	C	
★ Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:		15	

#### Hide Course List(s)/Track Group(s)

#### Notes:

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- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map




### Community Health, BS

School/College: [Edson College of Nursing and Health Innovation](#)




Location: [Online, ASU Local@Los Angeles](#)

NUCHLTBS





Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Become familiar with the student focused <b>services and perks</b> available to ASU Online students.</li> <li>Review <b>library</b> resources.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		



Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Select your <b>Career Interest Communities</b>, play <b>me3@ASU</b> and review <b>academic programs</b>.</li> <li>Create a first draft <b>resume</b>.</li> <li>Explore <b>study abroad</b> options.</li> <li>View ASU Online first-year student registration information <b>here</b>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
Term hours subtotal:	7		



Term 2 - A 14 - 24 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 SOC course (SB) (SOC 101 recommended)	3	C	
Term hours subtotal:	10		



Term 2 - B 24 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Apply for a <b>study abroad</b> experience.</li> <li>Join a <b>professional organization</b>.</li> </ul>
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			


Term hours subtotal: 6



Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	• Develop your <b>skills</b> .
 MIC 205: Microbiology (SG)	3	C	
 MIC 206: Microbiology Laboratory (SG)	1	C	
Term hours subtotal:	7		

Term 3 - B 37 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	• Explore <b>Career Webinars</b> .
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 44 - 53 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	• Explore <b>Career Advising</b> .
 HCR 231: Fundamentals of Community Health	3	C	
COM 225: Public Speaking (L)	3	C	
Term hours subtotal:	9		

Term 4 - B 53 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 240: Human Pathophysiology	4	C	• Explore an <b>internship</b> . • Schedule an appointment with your <b>advisor</b> to review your academic progress.
NTR 241: Human Nutrition	3	C	
Term hours subtotal:	7		

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	• Explore the <b>Career Guide</b> .
PAF 311: Leadership and Change (SB)	3	C	
SOC 352: Social Change (SB & G & H)	3	C	
Term hours subtotal:	9		

Term 5 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Complete 2 courses:  HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health	6	C	• Develop your <b>professional online presence</b> .
Term hours subtotal:	6		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 301: Research Methods for the Health Care Professional	3	C	

★ HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C
★ HCR 336: Environmental Community Health	3	C
Term hours subtotal:	9	

- Use **Handshake** to research employment opportunities.
- Connect with your advisor to learn more about the accelerated pathways to the **MS in Aging** and **Master of Healthcare Innovation**. These innovative pathways provide an opportunity for students to share up to 11-12 credit hours to accelerate completion of a master's degree.

Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHS 340: Health Theory	3	C	• Complete an in person or virtual practice interview.
Elective OR HCR 484: Internship	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	• Explore graduate programs including ASU's Master of Healthcare Innovation, the MS in Aging, and MS in Regulatory Science.
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
★ HCR 435: Leaders in Community Health	3	C	
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 406: Health Literacy for Health Care Professionals	3	C	• Gather professional references. • Update your resume.
★ HCR 430: Foundation to Health Care Systems	3	C	
Term hours subtotal:	6		

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	• Apply for full-time career opportunities.
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 439: Community Health Capstone	3	C	• Connect with us as a member of our alumni community.
Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and



West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Health Care Compliance and Regulations, BS

School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus

NUHCCRBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b>, play <b>me3@ASU</b> and review <b>academic programs</b>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> <li>Create a first draft <b>resume</b>.</li> <li>Explore <b>study abroad</b> options.</li> <li>Search for <b>on campus employment</b>.</li> </ul>
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
 HCR 259: Compliance and the Health Care Industry	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA) ( MAT 117 recommended)	3	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> <li>Apply for a <b>study abroad</b> experience.</li> <li>Explore student <b>leadership opportunities</b> in the Edson College of Nursing and Health Innovation.</li> <li>Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HCR 210: Ethics for the Health Care Professional (HU)	3	C	
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 264: Regulatory Essentials of Compliance Program Design I	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
ACC 231: Uses of Accounting Information I	3	C	
BMI 201: Introduction to Clinical Informatics	3	C	
COM 259: Communication in Business and the Professions OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB)	3	C	

SOC course (SB) ( SOC 101 recommended) OR PSY course (SB) ( PSY 101 recommended) OR HEP 100: Introduction to Health and Wellness (SB) OR INT 131: Design and Human Behavior (SB)

3 C

◆ Complete First-Year Composition requirement.

◆ Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 60 Credit Hours Critical course signified by ◆	Hours	Minimum Grade	Notes
◆ HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance	3	C	<ul style="list-style-type: none"> <li>• Please note that LES 305 in term 6 requires a minimum 2.50 cumulative GPA for registration.</li> <li>• Explore <b>internships</b>.</li> </ul>
◆ HCR 265: Regulatory Essentials of Compliance Program Design II	3	C	
STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:		15	

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 350: Introduction to Clinical Research	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance	3	C	
★ HCR 362: Monitoring and Auditing for Health Care Compliance	3	C	
OGL 320: Foundations of Project Management	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:		15	

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ HCR 460: Investigations and Disclosures in Health Care Compliance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries OR TMC 330: Leading the Enterprise	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G) AND Cultural Diversity in the U.S. (C)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		15	

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 461: Corrective and Preventive Action Plans	3	C	<ul style="list-style-type: none"> <li>• Explore <b>graduate programs</b> including the <b>MS Regulatory Science</b> program.</li> <li>• Gather <b>professional references</b>.</li> <li>• Update your <b>resume</b>.</li> </ul>
OMT 343: Occupational Safety and Ergonomics	3	C	
TWC 347: Written Communication for Managers (L) OR ENG 301: Writing for the Professions (L)	3	C	

Elective OR HCR 484: Internship	3
Elective ( CIS 308 recommended)	3
Term hours subtotal:	15

- Advanced MS Excel skills recommended by industry.
- OMT 343 is only offered during the fall semester.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 463: Capstone Project Health Care Compliance	4	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
HCR 430: Foundation to Health Care Systems OR HCD 330: Health Care Systems in the U.S.	3	C	
TWC 446: Technical and Scientific Reports (L) OR TWC 362: Writing in Health Professions (L)	3	C	
Humanities, Arts and Design (HU) ( ART 110 OR CEE 181 OR CON 101 OR FMP 201 recommended)	3		
Elective	2		
Term hours subtotal:	15		

#### Hide Course List(s)/Track Group(s)

#### Notes:

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- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
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- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map


### Health Care Compliance and Regulations, BS



School/College: [Edson College of Nursing and Health Innovation](#)

Location: [Online, ASU Local@Los Angeles](#)




NUHCCRBS

Term 1 - A 0 - 5 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Become familiar with the student focused <a href="#">services and perks</a> available to ASU Online students.</li> <li>Review <a href="#">library resources</a>.</li> </ul>
 HCR 259: Compliance and the Health Care Industry	4	C	
Term hours subtotal:	5		
Term 1 - B 5 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <a href="#">Career Interest Communities</a>, play <a href="#">me3@ ASU</a>, and review <a href="#">academic programs</a>.</li> <li>Create a first draft <a href="#">resume</a>.</li> <li>Explore <a href="#">study abroad</a> options.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Mathematics (MA) ( MAT 117 recommended)	3	C	
Term hours subtotal:	9		
Term 2 - A 14 - 23 Credit Hours	Hours	Minimum Grade	Notes
CIS 105: Computer Applications and Information Technology (CS)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
HCR 210: Ethics for the Health Care Professional (HU)	3	C	
Term hours subtotal:	9		
Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance	3	C	<ul style="list-style-type: none"> <li>Apply for a <a href="#">study abroad</a> experience.</li> </ul>
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 30 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

 HCR 264: Regulatory Essentials of Compliance Program Design I	3	C	• Develop your skills.
ACC 231: Uses of Accounting Information I	3	C	
SOC course (SB) (SOC 101 recommended) OR PSY course (SB) (PSY 101 recommended) OR HEP 100: Introduction to Health and Wellness (SB)	3	C	
Term hours subtotal:	9		



Term 3 - B 39 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
BMI 201: Introduction to Clinical Informatics	3	C	
COM 259: Communication in Business and the Professions OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB)	3	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 45 - 54 Credit Hours	Hours	Minimum Grade	Notes
STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	• Explore an internship.
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	9		

Term 4 - B 54 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance	3	C	• Schedule an appointment with your advisor to review your academic progress.
 HCR 265: Regulatory Essentials of Compliance Program Design II	3	C	
Term hours subtotal:	6		

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance	3	C	• Develop your professional online presence.
 HCR 362: Monitoring and Auditing for Health Care Compliance	3	C	
OGL 320: Foundations of Project Management	3	C	
Term hours subtotal:	9		

Term 5 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 350: Introduction to Clinical Research	3	C	• Complete informational interviews.
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - A 75 - 84 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance	3	C	• Use Handshake to research employment opportunities. • Complete an in person or virtual practice interview.
LES 305: Business Law and Ethics for Managers	3	C	

Social-Behavioral Sciences (SB) AND Global Awareness (G) AND Cultural Diversity in the U.S. (C) 3

Term hours subtotal: 9

Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCR 460: Investigations and Disclosures in Health Care Compliance	3	C	• Explore internships.
PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries OR TMC 330: Leading the Enterprise	3	C	

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCR 461: Corrective and Preventive Action Plans	3	C	• Explore graduate programs including the MS in Regulatory Science program. • Gather professional references. • Update your resume.
TWC 347: Written Communication for Managers (L) OR ENG 301: Writing for the Professions (L)	3	C	
Elective OR HCR 484: Internship	3		

Term hours subtotal: 9

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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OMT 343: Occupational Safety and Ergonomics	3	C	• Apply for full-time career opportunities • Advanced MS Excel skills recommended by industry. • OMT 343 is only offered during the fall semester.
Elective ( CIS 308 recommended)	3		

Term hours subtotal: 6

Term 8 - A 105 - 112 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCR 463: Capstone Project Health Care Compliance	4	C	
TWC 446: Technical and Scientific Reports (L) OR TWC 362: Writing in Health Professions (L)	3	C	

Term hours subtotal: 7

Term 8 - B 112 - 120 Credit Hours	Hours	Minimum Grade	Notes
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HCR 430: Foundation to Health Care Systems OR HCD 330: Health Care Systems in the U.S.	3	C	• Connect with us as a member of our alumni community.
Humanities, Arts and Design (HU) ( ART 110 OR FMP 201 recommended)	3		
Elective	2		

Term hours subtotal: 8

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Health Care Coordination, BS

School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus

NUHCCOBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b>, play me3@ASU and review <b>academic programs</b>.</li> <li>Create a first draft <b>resume</b>.</li> <li>Explore <b>study abroad options</b>.</li> <li>Search for <b>on-campus employment</b>.</li> </ul>
CDE 232: Human Development (SB) OR HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>Build your professional connections -- join the ASU Mentor Network.</li> <li>Secure a <b>part-time job</b> or volunteer experience.</li> <li>Apply for a <b>study abroad</b> experience.</li> <li>Explore <b>engagement opportunities</b> in the College of Nursing and Health Innovation.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 CDE 232: Human Development (SB) OR HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	6	C	
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	

Complete 2 courses:

CDE 232: Human Development (SB) OR HCR 210: Ethics for the

Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	6	C
MIC 205: Microbiology (SG)	3	C
MIC 206: Microbiology Laboratory (SG)	1	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Develop your **skills**.

Term 4 44 - 60 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
CDE 232: Human Development (SB) OR HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Schedule an appointment with your <b>advisor</b> to review your academic progress.</li> </ul>
HCR 221: Foundational Concepts for Health Care Coordination	3	C	
HCR 240: Human Pathophysiology	4	C	
NTR 241: Human Nutrition	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HCD 332: Population Health Policy and Legislation	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
HCR 321: Advanced Concepts for Health Care Coordination	3	C	
TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	
COM 225: Public Speaking (L)	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HCR 301: Research Methods for the Health Care Professional	3	C	<ul style="list-style-type: none"> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• Connect with your advisor to learn more about the accelerated pathways to the <b>MS in Aging</b> and <b>Master of Healthcare Innovation</b>. These innovative pathways provide an opportunity for students to share up to 11-12 credit hours to accelerate completion of a master's degree.</li> </ul>
HCR 302: Social Determinants of Health OR HCR 472: Interprofessional Education and Complex Health	3	C	
HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
HCR 473: Interprofessional Education and Comprehensive Systems Health OR HCR 484: Internship OR Elective	3		
PAF 311: Leadership and Change (SB)	3	C	
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HCI 311: Health Innovation: Foundational Concepts	3	C	

★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C
★ HCR 406: Health Literacy for Health Care Professionals	3	C
★ HCR 422: Policy and Financial Principles in Health Care Coordination	3	C
Elective	3	
Term hours subtotal:		15

- Explore graduate programs including ASU's Master of Healthcare Innovation, MS in Aging, MS in Health Care Simulation, the MS in Regulatory Science, and the MS in Nursing (Entry to Nursing Practice).
- Gather professional references.
- Update your resume.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
★ HCR 420: Professional Role Development: Health Care Coordination	3	C	
★ HCR 426: Health Care Coordination Capstone	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:		15	

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Health Care Coordination, BS





School/College: [Edson College of Nursing and Health Innovation](#)




Location: [Online, ASU Local@Los Angeles](#)

NUHCCOBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Become familiar with the student focused <b>services and perks</b> available to ASU Online students.</li> <li>Review <b>library</b> resources.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		

Term 1 - B 7 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-time freshmen registration information <a href="#">here</a>.</li> <li>Select your <b>Career Interest Communities</b>, play <a href="#">me3@ASU</a> and review <b>academic programs</b>.</li> <li>Create a first draft <b>resume</b>.</li> <li>Explore <b>study abroad</b> options.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
Term hours subtotal:	7		

Term 2 - A 14 - 23 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Term hours subtotal:	9		

Term 2 - B 23 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Apply for a <b>study abroad</b> experience.</li> <li>Join a <b>professional organization</b>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 7

Term 3 - A 30 - 37 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ BIO 202: Human Anatomy and Physiology II (SG)	4	C	• Develop your skills.
⚠ SOC 101: Introductory Sociology (SB)	3	C	
Term hours subtotal:	7		

Term 3 - B 37 - 44 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	• Explore Career Webinars.
⚠ MIC 205: Microbiology (SG)	3	C	
⚠ MIC 206: Microbiology Laboratory (SG)	1	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 44 - 53 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	• Explore Career Advising.
⚠ HCR 221: Foundational Concepts for Health Care Coordination	3	C	
NTR 241: Human Nutrition	3	C	
Term hours subtotal:	9		

Term 4 - B 53 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ HCR 240: Human Pathophysiology	4	C	• Explore an internship. • Schedule an appointment with your advisor to review your academic progress
COM 225: Public Speaking (L)	3	C	
Term hours subtotal:	7		

Term 5 - A 60 - 66 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	• Explore the Career Guide.
Elective	3		
Term hours subtotal:	6		

Term 5 - B 66 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ HCD 332: Population Health Policy and Legislation	3	C	• Develop your professional online presence.
⭐ HCR 321: Advanced Concepts for Health Care Coordination	3	C	
Elective	3		
Term hours subtotal:	9		

Term 6 - A 75 - 84 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ HCR 301: Research Methods for the Health Care Professional	3	C	

★ HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C
Elective OR HCR 484: Internship	3	
Term hours subtotal:	9	

- Use [Handshake](#) to research employment opportunities.
- Connect with your advisor to learn more about the accelerated pathways to the [MS in Aging](#) and [Master of Healthcare Innovation](#). These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.

Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 302: Social Determinants of Health	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
PAF 311: Leadership and Change (SB)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">graduate programs</a> including ASU's <a href="#">Master of Healthcare Innovation</a> and <a href="#">MS in Regulatory Science</a>.</li> </ul>
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
★ HCR 422: Policy and Financial Principles in Health Care Coordination	3	C	
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 406: Health Literacy for Health Care Professionals	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Update your <a href="#">resume</a>.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
★ HCR 420: Professional Role Development: Health Care Coordination	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 426: Health Care Coordination Capstone	3	C	<ul style="list-style-type: none"> <li>• Connect with us as a member of our <a href="#">alumni community</a>.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map






### Health Entrepreneurship and Innovation, BS



School/College: Edson College of Nursing and Health Innovation

Location: Downtown Phoenix campus, West campus

NUHCIBS

Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b>, play me3@ASU and review <b>academic programs</b>.</li> <li>Create a first draft <b>resume</b>.</li> <li>Explore <b>study abroad</b> options.</li> <li>Search for <b>on-campus employment</b>.</li> <li>Meet with your <b>First Year Success Coach</b>.</li> <li>Attend the <b>Edson College Health Careers Expo</b>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) OR MAT course (MA)	3	C	
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		
Elective	3		
Term hours subtotal:	14		

Term 2 14 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Apply for a <b>study abroad</b> experience.</li> <li>Explore <b>engagement opportunities</b> in the Edson College of Nursing and Health Innovation.</li> <li>Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
 HCI 150: Introduction to Health Innovation	3	C	
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 230: Culture and Health (C & G)	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> <li>Attend a <b>Study Abroad 101</b> session.</li> <li>Explore <b>minors</b> or <b>certificates</b>.</li> <li>Get involved with the <b>HEALab</b>.</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L)	3	C	



PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C
Health Innovation Elective	3	C
Elective	3	
Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

Term 4 45 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ HCI 250: Health Entrepreneurship and Value Creation	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Schedule an appointment with your <b>advisor</b> to review your academic progress.</li> </ul>
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L)	3	C	
Health Innovation Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> <li>• Complete <b>informational interviews</b>.</li> </ul>
★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing	3	C	
★ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	
HCR 210: Ethics for the Health Care Professional (HU) OR MED 320: Applied Medical/Health Care Ethics (HU) OR BIS 345: Organizational Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 320: Bioethics (HU) or BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU) OR PHI 409: Eco-Community Ethics (HU) or IAS 409: Eco-Community Ethics (HU)	3	C	
Health Innovation Elective	3	C	
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• Connect with your advisor to learn more about the accelerated pathways to the <b>MS in Aging and Master of Healthcare Innovation</b>. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.</li> </ul>
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care OR HCI 344: Management and Leadership in Health Organizations	6	C	
★ HCR 301: Research Methods for the Health Care Professional	3	C	
★ HCR 406: Health Literacy for Health Care Professionals	3	C	
Health Innovation Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 102 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR			

★ HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care OR HCI 344: Management and Leadership in Health Organizations	6	C
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C
Health Innovation Elective	3	C
Term hours subtotal:	12	

- Explore graduate programs including ASU's Master of Healthcare Innovation.
- Gather professional references.
- Update your resume.

Term 8 102 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care OR HCI 344: Management and Leadership in Health Organizations	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
HCI 484: Internship OR Upper Division Elective	3		
Health Innovation Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	18		

- Students should consult with their academic advisor to identify appropriate courses for the Health Innovation Elective. Students are encouraged to select courses in a thematic area and may pursue a minor to fulfill the Health Innovation Elective requirement.

Hide Course List(s)/Track Group(s)

Health Innovation Elective
ACC OR BUA OR ECN OR ENT OR FIN OR HCI OR HCR OR LES OR MGT OR MKT OR NTR OR OGL OR OMT OR SCM OR SOS OR TEL OR TEM Elective
ASB 100: Introduction to Global Health (SB & G)
ASB 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H)
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)
ASB 355: Traditional Medicine and Healing (HU or SB)
ASB 462: Medical Anthropology: Culture and Health (SB & C)
ASM 414: Environmental Health (SB)
BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H)

CHS 100: Optimizing Your Health and Performance (SB)

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COM 451: Communication and Work Relationships

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HEP 100: Introduction to Health and Wellness (SB)

---

PAF 311: Leadership and Change (SB)

---

PAF 410: Building Leadership Skills (SB)

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PHI 407: Environmental Philosophy and Policy (L or HU) or IAS 407: Environmental Philosophy and Policy (L or HU)

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SOC 427: Sociology of Health and Illness (SB)

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SOS 100: Introduction to Sustainability (G)

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SOS 110: Sustainable World (SB)

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TCL 321: Transborder Community Development and Health

---

USL 210: Service Learning: Intro to Diverse Community Issues (L & C)

---

WST 100: Women, Gender, and Society (SB & C)

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WST 333: Critical Perspectives on Sexuality (SB & C)

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WST 360: Women as Healers (SB & G)

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WST 444: Gender, Health, and Bodies (SB)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Health Entrepreneurship and Innovation, BS

School/College: [Edson College of Nursing and Health Innovation](#)



Location: [Online, ASU Local@Los Angeles](#)

NUHCIBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Become familiar with the student focused <b>services and perks</b> available to ASU Online students.</li> <li>Review <b>library</b> resources.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) OR MAT course (MA)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours	Hours	Minimum Grade	Notes
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <b>Career Interest Communities</b>, complete <b>me3@ASU</b>, and review <b>academic programs</b>.</li> <li>Create a first draft <b>resume</b>.</li> <li>Explore <b>study abroad</b> options.</li> </ul>
Natural Science - Quantitative (SQ) ( BIO 100 recommended)	4		
Term hours subtotal:	7		
Term 2 - A 14 - 23 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
 HCI 150: Introduction to Health Innovation	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Term hours subtotal:	9		
Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	<ul style="list-style-type: none"> <li>Apply for a <b>study abroad</b> experience.</li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		



Complete ENG 101 OR ENG 105 OR ENG 107 course(s).



Term hours subtotal: 7


Term 3 - A 30 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 230: Culture and Health (C & G)	3	C	• Develop your <b>skills</b> .
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L)	3	C	
Term hours subtotal:	6		

Term 3 - B 36 - 45 Credit Hours	Hours	Minimum Grade	Notes
Health Innovation Elective	3	C	• Explore <b>Career Webinars</b> .
Complete 2 courses: Elective	6		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	C	• Explore <b>Career Advising</b> .
Health Innovation Elective	3	C	
Term hours subtotal:	6		

Term 4 - B 51 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 HCI 250: Health Entrepreneurship and Value Creation	3	C	• Explore an <b>internship</b> . • Schedule an appointment with your <b>advisor</b> to review your academic progress.
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	9		

Term 5 - A 60 - 66 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCI 311: Health Innovation: Foundational Concepts	3	C	• Explore the <b>Career Guide</b> .
 TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L)	3	C	
Term hours subtotal:	6		

Term 5 - B 66 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	• Develop your <b>professional online presence</b> .
 HCR 210: Ethics for the Health Care Professional (HU) OR MED 320: Applied Medical/Health Care Ethics (HU) OR BIS 345: Organizational Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 320: Bioethics (HU)	3	C	
Health Innovation Elective	3	C	
Term hours subtotal:	9		

Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research employment opportunities.</li> <li>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.</li> </ul>
★ HCR 301: Research Methods for the Health Care Professional	3	C	
Term hours subtotal:	6		

Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Complete a virtual practice interview</li> </ul>
★ HCR 406: Health Literacy for Health Care Professionals	3	C	
Health Innovation Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Explore graduate programs including ASU's Master of Healthcare Innovation.</li> <li>• Update your resume.</li> </ul>
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
Term hours subtotal:	6		

Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Gather professional references.</li> </ul>
Health Innovation Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C
HCI 484: Internship OR Upper Division Elective	3	
Term hours subtotal:	6	

- Apply for full-time career opportunities.

Term 8 - B 111 - 120 Credit Hours	Hours	Minimum Grade	Notes
Health Innovation Elective	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Term hours subtotal:	9		

- Connect with us as a member of our alumni community.

- Students should consult with their academic advisor to identify appropriate courses for the Health Innovation Elective. Students are encouraged to select courses in a thematic area and may pursue a minor to fulfill the Health Innovation Elective requirement.

#### Hide Course List(s)/Track Group(s)

Health Innovation Elective
ACC OR BUA OR ECN OR ENT OR FIN OR HCI OR HCR OR LES OR MGT OR MKT OR NTR OR OGL OR OMT OR SCM OR SOS OR TEL OR TEM Elective
ASB 100: Introduction to Global Health (SB & G)
ASB 301: Global History of Health (SB & G & H)
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)
ASB 462: Medical Anthropology: Culture and Health (SB & C)
ASM 414: Environmental Health (SB)
CHS 100: Optimizing Your Health and Performance (SB)
PAF 311: Leadership and Change (SB)
PAF 410: Building Leadership Skills (SB)
SOS 100: Introduction to Sustainability (G)
SOS 110: Sustainable World (SB)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's



first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Integrative Health - Nursing & Gen Health Interest, BS



School/College: [Edson College of Nursing and Health Innovation](#)



Location: [Online, ASU Local@Los Angeles](#)




NUIHLTBS



Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b>, play <b>me3@ASU</b> and review <b>academic programs</b>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Create a first draft <a href="#">resume</a>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
Term hours subtotal:	7		
Term 2 - A 14 - 23 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>Secure a <a href="#">part-time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
COM 225: Public Speaking (L) OR OGL 240: Introduction to Project Management OR SOC course (SB) ( SOC 101 recommended) OR SWU 250: Stress Management Tools I (SB)	3	C	
Term hours subtotal:	9		
Term 2 - B 23 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>Attend a <a href="#">Study Abroad 101</a> session.</li> </ul>
COM 225: Public Speaking (L) OR OGL 240: Introduction to Project Management OR SOC course (SB) ( SOC 101 recommended) OR SWU 250: Stress Management Tools I (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			



Term hours subtotal: 7

Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	• Develop your <b>skills</b> .
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
Term hours subtotal:	7		

Term 3 - B 37 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 44 - 53 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	• Explore an <b>internship</b> .
 HCR 241: Foundations of Integrative Health	3	C	
NTR 241: Human Nutrition	3	C	
Term hours subtotal:	9		

Term 4 - B 53 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	• Schedule an appointment with your <b>advisor</b> to review your academic progress.
 HCR 240: Human Pathophysiology	4	C	
Term hours subtotal:	7		

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L)	3	C	• Develop your <b>professional online presence</b> .
COM 225: Public Speaking (L) OR OGL 240: Introduction to Project Management OR SOC course (SB) ( SOC 101 recommended) OR SWU 250: Stress Management Tools I (SB)	3	C	
Elective	3		
Term hours subtotal:	9		

Term 5 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	
COM 225: Public Speaking (L) OR OGL 240: Introduction to Project Management OR SOC course (SB) ( SOC 101 recommended) OR SWU 250: Stress Management Tools I (SB)	3	C	
Term hours subtotal:	6		

Term 6 - A 75 - 84 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HCR 301: Research Methods for the Health Care Professional	3	C	<ul style="list-style-type: none"> <li>• Use <a href="#">Handshake</a> to research employment opportunities.</li> <li>• Connect with your advisor to learn more about the accelerated pathways to the <a href="#">MS in Aging</a> and <a href="#">Master of Healthcare Innovation</a>. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.</li> </ul>
HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
Elective OR HCR 484: Internship	3		
Term hours subtotal:	9		

Term 6 - B 84 - 90 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <a href="#">practice interview</a>.</li> </ul>
HCR 343: Historical and Cultural Foundations of Integrative Health Care	3	C	
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 90 - 99 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HCI 311: Health Innovation: Foundational Concepts	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">graduate programs</a> including ASU's <a href="#">Master of Healthcare Innovation</a>, the <a href="#">MS in Regulatory Science</a>, and the <a href="#">MS in Aging</a> programs.</li> </ul>
HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
HCR 440: Interprofessional Approaches to Integrative Health Care	3	C	
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HCR 406: Health Literacy for Health Care Professionals	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a>.</li> <li>• Update your <a href="#">resume</a>.</li> </ul>
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 8 - A 105 - 114 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HCR 441: Legal and Ethical Issues Impacting Integrative Health Care	3	C	<ul style="list-style-type: none"> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
TWC 443: Grant & Proposal Writing	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Connect with us as a member of our <a href="#">alumni community</a>.</li> </ul>
HCR 449: Integrative Health Care Capstone	3	C	
Term hours subtotal:	6		

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- The Health Professional School track provides an opportunity for students interested in pursuing graduate study in the health professions. This track includes the core required courses for most graduate programs. Students pursuing a graduate program in health should consult with an advisor to review the complete curriculum for graduate school preparation in the health professions.
- The Nursing and General Health Interest track includes the prerequisites for the nursing program at Arizona State University. This track also provides options for students interested in health care.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Integrative Health - Nursing & Gen Health Interest, BS

School/College: Edson College of Nursing and Health Innovation

Location: West campus

NUIHLTBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b>, play me3@ASU and review <b>academic programs</b>.</li> <li>Create a first draft <b>resume</b>.</li> <li>Explore <b>study abroad</b> options.</li> <li>Meet with your <b>First Year Success Coach</b>.</li> <li>Attend the <b>Edson College Health Careers Expo</b>.</li> </ul>
CDE 232: Human Development (SB) OR HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB)	3	C	
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CDE 232: Human Development (SB) OR HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Apply for a <b>study abroad</b> experience.</li> <li>Explore <b>engagement opportunities</b> in the Edson College of Nursing and Health Innovation.</li> <li>Join a <b>student club</b> or <b>professional organization</b>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
SOC course (SB) ( SOC 101 recommended) OR SWU 250: Stress Management Tools I (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ BIO 202: Human Anatomy and Physiology II (SG)	4	C
<i>Complete 2 courses:</i>		
❗ CDE 232: Human Development (SB) OR HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB)	6	C
❗ MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- Develop your **skills**.
- Explore **minors or certificates**.

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
❗ CDE 232: Human Development (SB) OR HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Schedule an appointment with your <b>advisor</b> to review your academic progress.</li> </ul>
❗ HCR 240: Human Pathophysiology	4	C	
❗ HCR 241: Foundations of Integrative Health	3	C	
NTR 241: Human Nutrition	3	C	
SOC course (SB) (SOC 101 recommended) OR SWU 250: Stress Management Tools I (SB)	3	C	
Term hours subtotal:	16		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L)	3	C	
COM 225: Public Speaking (L)	3	C	
OGL 240: Introduction to Project Management	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCR 301: Research Methods for the Health Care Professional	3	C	<ul style="list-style-type: none"> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• Connect with your advisor to learn more about the accelerated pathways to the <b>MS in Aging</b> and <b>Master of Healthcare Innovation</b>. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.</li> </ul>
★ HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	
★ HCR 343: Historical and Cultural Foundations of Integrative Health Care	3	C	
Humanities, Arts and Design (HU)	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	

★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C
★ HCR 406: Health Literacy for Health Care Professionals	3	C
★ HCR 440: Interprofessional Approaches to Integrative Health Care	3	C
HCR 473: Interprofessional Education and Comprehensive Systems Health OR HCR 484: Internship OR Elective	3	
Term hours subtotal:	15	

- Explore graduate programs including ASU's Master of Healthcare Innovation, the MS in Regulatory Science, and the MS in Aging programs.
- Gather professional references.
- Update your resume.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
★ HCR 441: Legal and Ethical Issues Impacting Integrative Health Care	3	C	
★ HCR 449: Integrative Health Care Capstone	3	C	
★ TWC 443: Grant & Proposal Writing	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

- The BS Integrative Health degree program provides opportunities for students to pursue two separate pathways.
- The Health Professional School track provides an opportunity for students interested in pursuing graduate study in the health professions. This track includes the core required courses for most graduate programs. Students pursuing a graduate program in health should consult with an advisor to review the complete curriculum for graduate school preparation in the health professions.
- The Nursing and General Health Interest track includes the prerequisites for the nursing program at Arizona State University. This track also provides options for students interested in health care.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)



General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map





### Integrative Health - Pre Health Grad School Track, BS




School/College: [Edson College of Nursing and Health Innovation](#)

Location: [West campus](#)

NUIHLTBS

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>Career Interest Communities</b>, play <b>me3@ASU</b> and review academic programs.</li> <li>Create a first draft <b>resume</b>.</li> <li>Explore <b>study abroad</b> options.</li> <li>Meet with your <b>First Year Success Coach</b>.</li> <li>Attend the <b>Edson College Health Careers Expo</b>.</li> </ul>
 BIO 181: General Biology I (SQ)	4	C	
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Term hours subtotal:	15		

Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Secure a <b>part time job</b> or <b>volunteer experience</b>.</li> <li>Apply for a <b>study abroad</b> experience.</li> <li>Explore <b>engagement opportunities</b> in the Edson College of Nursing and Health Innovation.</li> <li>Join a <b>student club</b> or <b>professional organization</b>.</li> <li>Review resources and opportunities available through <b>ASU Pre-Health Advising</b>.</li> </ul>
 CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> <li>If interested in <b>health-related professional programs</b>, research the timeline for admissions preparation and general admission requirements.</li> <li>Explore <b>minors or certificates</b>.</li> <li>View <b>Career Webinars</b>.</li> </ul>
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	6	C	
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	

CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C
NTR 241: Human Nutrition	3	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 45 - 59 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> <li>• Schedule an appointment with your <b>advisor</b> to review your academic progress.</li> </ul>
CHM 237: General Organic Chemistry Laboratory I	1	C	
⚠ HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	
⚠ HCR 241: Foundations of Integrative Health	3	C	
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
Term hours subtotal:	14		

Term 5 59 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> <li>• Register for a graduate school <b>test prep course</b>.</li> </ul>
★ TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L)	3	C	
CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
COM 225: Public Speaking (L) OR OGL 240: Introduction to Project Management	3	C	
SWU 349: Stress Management Tools II (SB) OR SWU 350: Whole Person Health Across the Lifespan (SB)	3	C	
Term hours subtotal:	15		

Term 6 74 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 301: Research Methods for the Health Care Professional	3	C	<ul style="list-style-type: none"> <li>• Use <b>Handshake</b> to research employment opportunities.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• Connect with your advisor to learn more about the accelerated pathways to the <b>MS in Aging</b> and <b>Master of Healthcare Innovation</b>. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.</li> </ul>
★ HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	
★ HCR 343: Historical and Cultural Foundations of Integrative Health Care	3	C	
CHM 234: General Organic Chemistry II	3	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	

★ HCR 406: Health Literacy for Health Care Professionals	3	C
★ HCR 440: Interprofessional Approaches to Integrative Health Care	3	C
COM 225: Public Speaking (L) OR OGL 240: Introduction to Project Management	3	C
Term hours subtotal:	15	

- Explore graduate programs including ASU's Master of Healthcare Innovation, the MS in Regulatory Science, and the MS in Aging programs.
- Gather professional references.
- Update your resume.

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	<ul style="list-style-type: none"> <li>• Apply for full-time career opportunities.</li> <li>• Connect with us as a member of our alumni community.</li> </ul>
★ HCR 441: Legal and Ethical Issues Impacting Integrative Health Care	3	C	
★ HCR 449: Integrative Health Care Capstone	3	C	
★ TWC 443: Grant & Proposal Writing	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

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**Total Hours:** 120  
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**General University Requirements Legend**

General Studies Core Requirements:

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- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Integrative Health - Pre Health Grad School Track, BS





School/College: [Edson College of Nursing and Health Innovation](#)




Location: [Online, ASU Local@Los Angeles](#)



NUIHLTBS




In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. [Learn](#) more about summer financial aid and additional ways to cover summer costs.

Term 1 - A 0 - 8 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
 BIO 181: General Biology I (SQ)	4	C	
 MAT 251: Calculus for Life Sciences (MA)	3	C	
Term hours subtotal:	8		

Term 1 - B 8 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Select your <a href="#">Career Interest Communities</a>, play <a href="#">me3@ASU</a> and review academic programs.</li> <li>Create a first draft <a href="#">resume</a>.</li> <li>Explore <a href="#">study abroad</a> options.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition	3	C	
 OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 2 - A 15 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> <li>Secure a <a href="#">part time job</a> or <a href="#">volunteer experience</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition	3	C	
 OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition			
Term hours subtotal:	7		

Term 2 - B 22 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>Apply for a <a href="#">study abroad</a> experience.</li> <li>Review resources and opportunities available through <a href="#">ASU Pre-Health Advising</a>.</li> </ul>
 HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C & G)	3	C	

<p>❖ STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)</p> <p>Complete ENG 101 OR ENG 105 OR ENG 107 course(s).</p>	3	C
Term hours subtotal:		10

Term 3 - A 32 - 39 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
<p>HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C &amp; G)</p>	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> <li>• If interested in <b>health-related professional programs</b>, research the timeline for admissions preparation and general admission requirements.</li> </ul>
<p>❖ PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)</p>	4	C	
Term hours subtotal:		7	

Term 3 - B 39 - 46 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
<p>HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C &amp; G)</p>	3	C	<ul style="list-style-type: none"> <li>• Explore <b>minors or certificates</b>.</li> <li>• Review the <b>Career Guide for ASU Online</b> students to learn about available career planning resources.</li> </ul>
<p>PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)</p> <p>Complete Mathematics (MA) requirement.</p>	4	C	
Term hours subtotal:		7	

Term 4 - A 46 - 52 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
<p>❖ HCR 241: Foundations of Integrative Health</p>	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b>.</li> </ul>
<p>NTR 241: Human Nutrition</p>	3	C	
Term hours subtotal:		6	

Term 4 - B 52 - 58 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
<p>❖ CHM 233: General Organic Chemistry I</p>	3	C	<ul style="list-style-type: none"> <li>• Schedule an appointment with your <b>advisor</b> to review your academic progress.</li> <li>• Plan for in-person laboratory attendance in summer.</li> </ul>
<p>CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)</p>	3	C	
Term hours subtotal:		6	

Summer 4 58 - 59 Credit Hours	Hours	Minimum Grade	Notes
<p>CHM 237: General Organic Chemistry Laboratory I</p>	1	C	<ul style="list-style-type: none"> <li>• ASU Online students will complete all experiments for the Organic Chemistry labs at the Tempe campus of ASU during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.</li> </ul>
Term hours subtotal:		1	

Term 5 - A 59 - 68 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
<p>★ TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L)</p>	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
<p>CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)</p>	3	C	
<p>COM 225: Public Speaking (L) OR OGL 240: Introduction to Project Management</p>	3	C	

Term hours subtotal: 9

Term 5 - B 68 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	<ul style="list-style-type: none"> <li>Register for a graduate school <b>test prep</b> course.</li> </ul>
COM 225: Public Speaking (L) OR OGL 240: Introduction to Project Management	3	C	
Term hours subtotal:		6	

Term 6 - A 74 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 301: Research Methods for the Health Care Professional	3	C	<ul style="list-style-type: none"> <li>Use <b>Handshake</b> to research employment opportunities.</li> <li>Complete an in person or virtual <b>practice interview</b>.</li> <li>Connect with your advisor to learn more about the accelerated pathways to the <b>MS in Aging</b> and <b>Master of Healthcare Innovation</b>. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.</li> </ul>
★ HCR 303: Assessing Needs, Assets and Capacity for Health Education	3	C	
Term hours subtotal:		6	

Term 6 - B 80 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities	3	C	<ul style="list-style-type: none"> <li>Schedule an appointment with your <b>advisor</b> to review your academic progress.</li> <li>Plan for in-person laboratory attendance in summer.</li> </ul>
★ HCR 343: Historical and Cultural Foundations of Integrative Health Care	3	C	
CHM 234: General Organic Chemistry II	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:		9	

Summer 6 89 - 90 Credit Hours	Hours	Minimum Grade	Notes
CHM 238: General Organic Chemistry Laboratory II	1	C	<ul style="list-style-type: none"> <li>ASU Online students will complete all experiments for the Organic Chemistry labs at the Tempe campus of ASU during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.</li> </ul>
Term hours subtotal:		1	

Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 311: Health Innovation: Foundational Concepts	3	C	<ul style="list-style-type: none"> <li>Explore <b>graduate programs</b> including ASU's <b>Master of Healthcare Innovation</b>, the <b>MS in Regulatory Science</b>, and the <b>MS in Aging</b> programs.</li> <li>Gather <b>professional references</b>.</li> <li>Update your <b>resume</b>.</li> </ul>
★ HCR 400: Evidence-Based Practice for the Health Care Professional	3	C	
★ HCR 440: Interprofessional Approaches to Integrative Health Care	3	C	
Term hours subtotal:		9	

Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ HCR 406: Health Literacy for Health Care Professionals	3	C
SWU 349: Stress Management Tools II (SB) OR SWU 350: Whole Person Health Across the Lifespan (SB)	3	C
Term hours subtotal:	6	

Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCR 441: Legal and Ethical Issues Impacting Integrative Health Care	3	C	• Apply for full-time career opportunities.
TWC 443: Grant & Proposal Writing	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HCI 428: Technology: A Tool to Advance Innovation in Health Care	3	C	• Connect with us as a member of our alumni community.
★ HCR 449: Integrative Health Care Capstone	3	C	
Term hours subtotal:	6		

- The BS Integrative Health degree program provides opportunities for students to pursue two separate pathways.
- The Health Professional School track provides an opportunity for students interested in pursuing graduate study in the health professions. This track includes the core required courses for most graduate programs. Students pursuing a graduate program in health should consult with an advisor to review the complete curriculum for graduate school preparation in the health professions.
- The Nursing and General Health Interest track includes the prerequisites for the nursing program at Arizona State University. This track also provides options for students interested in health care.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map








### Nursing - Accelerated BSN, BSN







School/College: [Edson College of Nursing and Health Innovation](#)




Location: [Downtown Phoenix campus](#), [ASU@Lake Havasu](#), [ASU@The Gila Valley](#)

NUNURDBSN

- Completion of General Studies and composition requirements at a domestic institution accredited by an organization recognized by ASU as certified on the official transcript will fulfill lower-division General Studies and composition requirements. Certification of completed general studies may include completion of general education package (ex: AGECE, CSUGE, IGETC); an associate of arts degree or bachelor's degree; or comparable as documented on an official transcript.
- Students must have first-year composition and lower-division general studies completed when submitting an application for advancement.

Term 4 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	<ul style="list-style-type: none"> <li>• Meet with a member of the Edson College Student Services team to review the advancement requirements.</li> <li>• View the <a href="#">Accelerated BSN Prelicensure Clinical Nursing Program Information Session</a>.</li> <li>• Students interested in graduating with Academic Recognition must have a minimum of 56 credit hours of resident credit at ASU to qualify. Students should complete the additional six hours at ASU prior to starting the Accelerated BSN Prelicensure Clinical Nursing Program (which is a total of 50 hours). For more details, please visit review the <a href="#">University Undergraduate Graduation Requirements</a>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ)	4	C	
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
 STP 226: Elements of Statistics (CS)	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 5 17 - 31 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	<ul style="list-style-type: none"> <li>• Contact the Edson College of Nursing and Health Innovation Student Services office for the most recent copy of the <a href="#">Advancement Guide</a>.</li> </ul>
 CDE 232: Human Development (SB)	3	C	
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
 NTR 241: Human Nutrition	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 31 - 35 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 HCR 240: Human Pathophysiology	4	C	
 Minimum 3.50 GPA ASU Cumulative.			

Milestone: Students must be placed in the Accelerated Clinical Nursing Program by Edson College Student Services. Placement is not guaranteed. There may be more applicants than clinical space allows.

Term hours subtotal: 4

Term 7 35 - 52 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 311: Pharmacology in Nursing	3	C	<ul style="list-style-type: none"> <li>• Activate your <b>Handshake</b> account and build out your profile.</li> <li>• Join a <b>professional organization</b>.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ NUR 330: Professional Nurse Attributes (HU)	3	C	
★ NUR 356: Nursing Concepts: Fundamentals and Adult Health	5	C	
★ NUR 366: Nursing Practice: Adults and Elders	6	Y	
Term hours subtotal:	17		

Summer 7 52 - 68 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 315: Nursing Research and Application to Practice (L)	3	C	<ul style="list-style-type: none"> <li>• Gather professional and academic references.</li> <li>• Explore <b>graduate programs</b>.</li> </ul>
★ NUR 317: Nursing Concepts for Psychiatric/Mental Health Nursing	2	C	
★ NUR 367: Nursing Practice: Psychiatric Mental Health--Postbaccalaureate BSN	2	Y	
★ NUR 384: Gerontological Nursing	1	C	
★ NUR 415: Nursing Concepts for Childbearing Family	2	C	
★ NUR 417: Nursing Concepts: Pediatric Clients	2	C	
★ NUR 475: Nursing Practice: Care of the Childbearing Family - Post Baccalaureate	2	Y	
★ NUR 477: Nursing Practice: Pediatric Clients	2	Y	
Term hours subtotal:	16		

Term 8 68 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 416: Nursing Concepts: Community/Public Health	3	C	<ul style="list-style-type: none"> <li>• Study for the National Council Licensure Examination (NCLEX).</li> <li>• Apply for <b>full-time career opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> <li>• Connect with us as a member of our <b>alumni community</b>.</li> </ul>
★ NUR 418: Nursing Concepts: Complex Care	3	C	
★ NUR 419: Leading and Managing Nursing in Organizational Systems	2	C	
★ NUR 431: Professional Nurse Attributes Innovative Professional	3	C	
★ NUR 476: Nursing Practice: Community and Public Health	2	Y	
★ NUR 478: Nursing Practice: Complex Care	2	Y	
★ NUR 479: Nursing Practice: Clinical Immersion	2	Y	
Term hours subtotal:	17		

Placement into the Accelerated BSN prelicensure clinical nursing program is based on clinical space availability. In addition to the application to ASU, there is a separate advancement process to be selected for placement. Prospective students should consult with the Edson College of Nursing and Health Innovation student academic services for the advancement requirements, including prerequisites, TEAS requirement, and immunization/background requirements. Students should also view the [Accelerated BSN Prelicensure Clinical Nursing Program Information Session](#). Completion of General Studies and composition requirements at a domestic institution accredited by an organization

recognized by ASU as certified on the official transcript will fulfill ASU's lower-division General Studies and composition requirements. Certification of completed general studies may include completion of general education package (ex: AGECE, CSUGE, IGETC); an associate of arts degree or bachelor's degree; or comparable as documented on an official transcript. These students are still required to fulfill lower-division program requirements and prerequisites within their college and major and minor areas of study. Additionally, students must still take six upper-division credit hours (three for L and three for SB or HU) to complete the ASU university-level graduation requirements. If students transfer from Arizona community colleges without completing the AGECE or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. Students should see the [Arizona General Education Curriculum](#) page.

All students must have first year composition and lower-division general studies completed at the time advancement is requested.

[Hide Course List\(s\)/Track Group\(s\)](#)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 85

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

















## 2021 - 2022 Major Map

### Nursing - Traditional BSN, BSN

School/College: [Edson College of Nursing and Health Innovation](#)

Location: [Downtown Phoenix campus](#), [ASU@Lake Havasu](#), [ASU@The Gila Valley](#)

NUNURDBSN

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-NU: The ASU Experience	1		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>In order to advance into the Traditional Prelicensure Clinical Nursing Program, students must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@asu.edu">me3@ASU</a>.</li> <li>Activate your <b>Handshake</b> account and build out your profile.</li> <li>Create a first draft <b>resume</b>.</li> <li>Explore <b>Study Abroad</b> options.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 HCR 210: Ethics for the Health Care Professional (HU)	3	C	
 MAT 142: College Mathematics (MA)	3	C	
 Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	<ul style="list-style-type: none"> <li>In order to advance into the Traditional Prelicensure Clinical Nursing Program, students must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> <li>Join a <b>student club</b> or <b>professional organization</b>.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> <li>Explore options for <b>summer employment</b>.</li> <li>Apply for summer <b>Study Abroad</b>.</li> </ul>
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	3	C	
 Approved Statistics Course AND Computer/Statistics/Quantitative Applications (CS)	3	C	
 Maintain 3.50 GPA in Critical Tracking Courses.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal:	16		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	

❗ CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C
❗ HCR 230: Culture and Health (C & G)	3	C
❗ MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C
❗ Maintain 3.50 GPA in Critical Tracking Courses. Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

- In order to advance into the Traditional Prelicensure Clinical Nursing Program, students must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).
- Develop your **skills**.
- Meet with your academic success advisor to review the advancement requirements, including health and safety expectations.

Term 4 44 - 57 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ HCR 240: Human Pathophysiology	4	C	<ul style="list-style-type: none"> <li>• In order to advance into the Traditional Prelicensure Clinical Nursing Program, students must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).</li> <li>• Submit your <b>Clinical Nursing Advancement Application</b> by February 1 for summer/fall start or September 1 for spring start.</li> </ul>
❗ NTR 241: Human Nutrition	3	C	
❗ Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C	
Elective	3		
❗ Maintain 3.50 GPA in Critical Tracking Courses. Milestone: Completion of all non-coursework Nursing requirements (e.g. immunizations/titers, fingerprint clearance card, background check, CPR/BLS certification, etc.) for continuation into the Traditional Prelicensure Clinical Nursing Program.			
Term hours subtotal:	13		

Term 5 57 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 325: Health and Illness Concepts I	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ NUR 330: Professional Nurse Attributes (HU)	3	C	
★ NUR 336: Experiential Learning	3	C	
★ NUR 346: Nursing Practice: Geriatric and Adult Health	3	Y	
★ NUR 352: Fundamental Concepts in Nursing	3	C	
Term hours subtotal:	15		

Term 6 72 - 88 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 315: Nursing Research and Application to Practice (L)	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b>.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
★ NUR 326: Health and Illness Concepts: Adults and Psychiatric/Mental Health	4	C	
★ NUR 337: Experiential Learning: Intermediate	3	C	
★ NUR 347: Nursing Practice: Psychiatric/Mental Health and Childbearing Family	3	Y	
★ NUR 353: Integration of Concepts Across the Lifespan: Conception to End of Life	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 88 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 404: Professional Nurse Concepts: Intermediate	2	C	<ul style="list-style-type: none"> <li>• Gather professional and academic <b>references</b>.</li> </ul>

★ NUR 425: Health and Illness Concepts: Adults and Pediatrics	3	C
★ NUR 436: Experiential Learning: Advanced	3	C
★ NUR 446: Nursing Practice: Pediatrics and Complex Care of Adults	3	Y
★ NUR 452: Concepts in Population-Based Health	3	C
★ NUR 458: Interprofessional Education and Collaboration Seminar	3	C
Term hours subtotal:	17	

- Explore [graduate programs](#).

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 405: Professional Nurse Concepts: Advanced	3	C	<ul style="list-style-type: none"> <li>• Study for the National Council Licensure Examination (NCLEX).</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> <li>• Connect with us as a member of our <a href="#">alumni community</a>.</li> </ul>
★ NUR 426: Health and Illness Concepts Advanced	3	C	
★ NUR 437: Experiential Learning: Readiness to Practice	3	C	
★ NUR 448: Nursing Practice Readiness	3	Y	
★ NUR 453: Integration Concepts in the Health Care (L)	3	C	
Term hours subtotal:	15		

- Direct admit students must meet Continuing Eligibility Criteria each semester (terms 1-4) to advance into the traditional or accelerated prelicensure clinical nursing program. Advisors in the Edson College of Nursing and Health Innovation review criteria each semester.

Continuing Eligibility Criteria:

- Full-time enrollment at ASU (at least 12 credit hours per term; some scholarships require at least 15 credit hours per term).
- Enroll in the courses following the published course sequence on the major map (taking courses according to term).
- Courses taken at institutions other than ASU, during the required term, must have grades recorded on the ASU system by the final Session C grading deadline per the ASU Academic Calendar.
- 3.50 minimum semester critical (prerequisite) course GPA in terms 1-4 (includes +/- in computation)
- Grades of C or better in critical (prerequisite) courses
- Successful completion of all screening items
- Any deviation from the approved major map requires a petition and approval from the academic program. Please consult with your advisor for more information.

Hide Course List(s)/Track Group(s)

Approved Statistics (CS) Courses
EDP 454: Statistical Data Analysis in Education (CS)
PAF 301: Applied Statistics (CS)
SBS 304: Social Statistics I (CS)
SOC 390: Social Statistics I (CS)
STP 226: Elements of Statistics (CS)
STP 231: Statistics for Life Science (CS)
SWU 321: Statistics for Social Workers (CS)



**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Nursing, BSN

School/College: [Edson College of Nursing and Health Innovation](#)

Location: [Online, ASU Local@Los Angeles](#)

NUNURDBSN

Term 5 - A 0 - 3 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 361: Writing for Health Care Management (L)	3	C	<ul style="list-style-type: none"> <li>• Activate your <a href="#">Handshake</a> account and build your profile.</li> <li>• Update your <a href="#">resume</a>.</li> </ul>
Term hours subtotal:	3		
Term 5 - B 3 - 7 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 391: Professional Nursing Theory (L)	4	C	<ul style="list-style-type: none"> <li>• Join a <a href="#">professional organization</a>.</li> <li>• Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
Term hours subtotal:	4		
Term 6 - A 7 - 11 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 318: Nursing Research and Evidence Translation (L)	4	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">professional online presence</a>.</li> </ul>
Term hours subtotal:	4		
Term 6 - B 11 - 15 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 392: Health Promotion Across the Life Span	4	C	<ul style="list-style-type: none"> <li>• Build your <a href="#">skills</a>.</li> </ul>
Term hours subtotal:	4		
Term 7 - A 15 - 19 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 440: Community and Public Health Nursing in the United States	4	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">graduate programs</a>.</li> </ul>
Term hours subtotal:	4		
Term 7 - B 19 - 23 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 495: Public and Global Health in Nursing (G)	4	C	<ul style="list-style-type: none"> <li>• Complete a <a href="#">virtual practice interview</a>.</li> </ul>
Term hours subtotal:	4		
Term 8 - A 23 - 27 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 460: The Art of Nursing (HU)	4	C	<ul style="list-style-type: none"> <li>• Gather academic and <a href="#">professional references</a>.</li> </ul>
Term hours subtotal:	4		

Term 8 - B 27 - 31 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ NUR 444: Innovation in Nursing	4	C	<ul style="list-style-type: none"> <li>• Update your <a href="#">resume</a>.</li> <li>• Apply for <a href="#">full-time career opportunities</a>.</li> </ul>
Term hours subtotal:	4		

Term 9 - A 31 - 35 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ NUR 445: Nursing Management in Health Care	4	C	<ul style="list-style-type: none"> <li>• Connect with us as a member of our <a href="#">alumni community</a>.</li> </ul>
Term hours subtotal:	4		

Term 9 - B 35 - 39 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ NUR 464: Capstone: The Synthesis of Professional Nursing	4	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">graduate nursing programs at ASU</a>.</li> </ul>
Term hours subtotal:	4		

- There are different options available for the Online RN to BSN including the Pathway, the Non-Pathway, and the Concurrent Enrollment Program. The prerequisites for each option vary and the number of courses needed to graduate from ASU with a BSN may vary. Students must see an RN to BSN academic advisor for more information about the prerequisites and the graduation requirements.

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 39

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

##### General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

##### General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

## First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Applied Science (Emergency Management), BAS

School/College: [Watts College of Public Service & Community Solut](#)

Location: [Downtown Phoenix campus](#)

PPMGBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Transfer Degree Block	60		
Term hours subtotal:	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 200: Public Service and Policy in the 21st Century	3	C	
★ PAF 201: Economics and Public Policy (SB)	3	C	
★ PAF 300: Public Management and Administration	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 301: Applied Statistics (CS)	3	C	
★ PAF 311: Leadership and Change (SB)	3	C	
★ PAF 340: Contemporary Policy Challenges	3	C	
★ PAF 360: Emergency Management I	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 302: Public Service Research Methods	3	C	
Term hours subtotal:	3		<ul style="list-style-type: none"> <li>• Apply for <b>full-time career opportunities</b></li> </ul>

★ PAF 410: Building Leadership Skills (SB)	3	C
★ PAF 424: Emergency Management II	3	C
★ PAF 460: Public Service Ethics	3	C
★ PAF 468: Planning and Exercises	3	C
Term hours subtotal:	15	

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
★ PAF 425: National Incident Management System (NIMS)	3	C	
★ PAF 469: Terrorism Defense	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	15		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Community Advocacy and Social Policy, BA



School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus, West campus

PPCASPBBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SWU 171: Introduction to Social Work (SB & H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
 PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Public Service Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU) OR PHI 105: Intro to Ethics (HU) OR SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3		<ul style="list-style-type: none"> <li>For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR SWU 181: Economics: A Social Issues Perspective	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Public Service Interdisciplinary Requirement	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR SWU 182: Social Services Perspective of Government (SB)	3		<ul style="list-style-type: none"> <li>By the end of term 4, students should have completed the following requirements:               <ol style="list-style-type: none"> <li>ECN 211 or SWU 181</li> <li>PHI 101 or PHI 105 or SWU 183</li> <li>POS 110 or SWU 182</li> </ol> </li> </ul>
Diversity and Oppressed Populations	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

Elective 3

• Develop your **skills**.

📌 Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 📌	Hours	Minimum Grade	Notes
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📌 SWU 291: Social Service Delivery Systems

3 C

Diversity and Oppressed Populations

3

Social Problems and Interventions

3

Complete 2 courses:

Elective

6

📌 Complete ECN 211 OR SWU 181 course.

Term hours subtotal: 15

• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement.

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ SWU 306: Ethics in Social Services (L)

3 C

⭐ SWU 350: Whole Person Health Across the Lifespan (SB)

3 C

SWU 321: Statistics for Social Workers (CS)

3

Upper Division Diversity and Oppressed Populations

3

Upper Division Social Problems and Interventions

3

Term hours subtotal: 15

• Develop your **professional online presence**.

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ SWU 303: Micro Human Behavior and the Social Environment (L or SB)

3 C

⭐ SWU 340: Macro Human Behavior and the Social Environment (SB)

3 C

SWU 302: Human Biology for Social Workers

3

SWU 320: Research Methods in Social Work

3 C

SWU 374: Diversity and Oppression in a Social Work Context (C)

3 C

⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

• Use Handshake to research **employment opportunities**.

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ SWU 332: Social Policy and Advocacy

3 C

Upper Division Diversity and Oppressed Populations

3

Complete 2 courses:

Upper Division Social Problems and Interventions

6

Elective

3

Term hours subtotal: 15

• Apply for **full-time career opportunities**.

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ SWU 488: Advocacy Strategies

3 C

Upper Division Diversity and Oppressed Populations

3

Upper Division Social Problems and Interventions

3

Elective OR SWU 484: Internship

3



Term hours subtotal: 12

• For the Public Service Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

Social Problems and Interventions: Courses focus on social problems that disproportionately affect members of oppressed populations and change strategies. Select five of the courses in this sequence; four courses must be SWU courses; 12 credits must be upper division. Diversity and Oppressed Populations: Courses focus on oppressed or marginalized populations and systems of oppression/ domination. Select five of the courses in this sequence; two courses must be SWU courses; 9 credits must be upper division. For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Public Service Interdisciplinary Requirement-Area 1	Public Service Interdisciplinary Requirement-Area 2	Public Service Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	CRD 302: Inclusive Community Development (SB & C)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	CRD 471: Interprofessional Education and Community Health
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	CRD 472: Interprofessional Education and Complex Health
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	CRD 473: Interprofessional Education and Comprehensive Systems Health
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	CSM 201: Introduction to Community Sports
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	NLM 160: Voluntary Action and Community Leadership (SB)
CRJ 260: Substantive Criminal Law		NLM 220: Introduction to Nonprofit Organizations
CRJ 270: Community Justice (SB)		PRM 120: Leisure and the Quality of Life (SB)
CRJ 305: Gender, Crime, and Criminal Justice (C)		PRM 364: Foundations of Recreation Therapy (SB)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		PRM 380: Wilderness and Parks in America (SB & H)
CRJ 309: Criminology (SB)		TDM 205: Introduction to Travel and Tourism (G)
CRJ 350: Law and Social Control (SB)		TDM 458: International Tourism (G)
Public Service Interdisciplinary Requirement-Area 4	Social Problems and Interventions	Diversity and Oppressed Populations
CPP Elective	AIS 180: Introduction to American Indian Studies (C)	AFR 210: Introduction to African American Studies (C)
	AIS 380: Contemporary Issues of American Indian Nations (C)	AFR 212: Introduction to Ethnic Studies in the U.S. (C)
	ASB 300: Food and Culture ((L or SB) & C)	

ASB 462: Medical Anthropology: Culture and Health (SB & C)	AFR 370: Family Ethnic and Cultural Diversity (SB & C)
CHS 201: International Indigenous Health	AFR 375: Race, Gender and Sport (SB & C)
COM 463: Intercultural Communication in a Global Context (SB & G)	AFR 494: The African American Rhetorical Tradition
CRJ 204: Juvenile Justice	AMS 380: Race, Gender, and Class (SB & C)
CRJ 461: Domestic Violence	APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C)
HSC 210: Cultural Aspects of Health (C)	APA 210: Introduction to Ethnic Studies in the U.S. (C)
HST 339: Islam in the Modern World (HU & G)	APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C)
JUS 332: Politics of Energy Policy and Justice	APA 360: Chinese American ((HU or SB) & C)
JUS 420: Women, Work, and Justice ((L or SB) & C)	ASB 346: Marriage and Family Diversity (SB & C)
SOC 241: Modern Social Problems (SB)	CRJ 305: Gender, Crime, and Criminal Justice (C)
SOC 264: Gender and Society (SB & C)	ETH 100: Ethnic and Indigenous Lives (SB & C)
SOC 270: Racial and Ethnic Relations (SB & C)	FAS 370: Family Ethnic and Cultural Diversity (SB & C)
SOC 424: Women and Health (SB)	HRC 200: Introduction to Social and Cultural Analysis (SB & C)
SPE 222: Orientation to Education of Exceptional Children (SB & C)	HST 325: Immigration and Ethnicity in the United States (SB & H & C)
SWU 250: Stress Management Tools I (SB)	JUS 210: Introduction to Ethnic Studies in the U.S. (C)
SWU 349: Stress Management Tools II (SB)	JUS 235: Disability, Justice and Advocacy (C)
SWU 351: Sustainable Living, Mindful Eating (SB)	JUS 350: Immigration and Justice (SB & C)
SWU 394: Ending Homelessness	MCO 460: Race, Gender, and Media (C)
SWU 416: Domestic Violence and National AmeriCorps Service	MUS 410: History of Women in Music (HU & C & H)
SWU 417: Technology, Interpersonal Relationships and Abuse	POS 435: Women and Politics (SB & C)
SWU 454: Overview of Addictions	REL 330: Native American Worldviews (HU & C)
SWU 456: Immigrants and Refugees (C)	SOC 270: Racial and Ethnic Relations (SB & C)
SWU 458: Behavioral Health Services	SOC 378: Migration and Society (SB & C)
SWU 460: Legal Issues in Social Work	SOC 418: Aging and the Life Course (SB & H)
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
SWU 462: Global Social Welfare (G)	
SWU 494: Restorative Spaces and Therapeutic Communities	
SWU 498: Introduction Health Practice (L)	
TCL 323: Latina/o Health Issues (SB & C)	

TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)

TWC 454: Information Technology and Culture (C)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 418: Global Violence Against Women

SWU 457: Southwest Borderland Immigration Issues (C)

SWU 498: Working With American Indians (L)

WST 270: Global Perspectives on Women

WST 300: Women and Gender in Contemporary Society (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Community Advocacy and Social Policy, BA

School/College: Watts College of Public Service & Community Solut

Location: Online, ASU Local@Los Angeles

PPCASPBA

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SWU 171: Introduction to Social Work (SB & H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
Milestone: Meet with an academic advisor			
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR SWU 181: Economics: A Social Issues Perspective	3		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 26 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU) OR PHI 105: Intro to Ethics (HU) OR SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3		<ul style="list-style-type: none"> <li>Mathematics Placement Assessment score determines placement in mathematics course</li> <li>By the end of term four, students should have completed the following requirements:               <ol style="list-style-type: none"> <li>ECN 211 or SWU 181</li> <li>PHI 101 or PHI 105 or SWU 183</li> <li>POS 110 or SWU 182</li> </ol> </li> <li>Join a <a href="#">student club</a> or professional organization.</li> </ul>
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 3 - A 26 - 32 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	6		

Term 3 - B 32 - 39 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ POS 110: American Government and Politics (SB) OR SWU 182: Social Services Perspective of Government (SB)	3		• Develop your skills.
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 39 - 45 Credit Hours	Hours	Minimum Grade	Notes
Diversity and Oppressed Populations	3		
Elective	3		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SWU 291: Social Service Delivery Systems	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
Public Service Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
SWU 321: Statistics for Social Workers (CS)	3		
Diversity and Oppressed Populations	3		
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ SWU 306: Ethics in Social Services (L)	3	C	
SWU 302: Human Biology for Social Workers	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ SWU 303: Micro Human Behavior and the Social Environment (L or SB)	3	C	
SWU 320: Research Methods in Social Work	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
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★ SWU 350: Whole Person Health Across the Lifespan (SB)	3	C
Upper Division Diversity and Oppressed Populations	3	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SWU 340: Macro Human Behavior and the Social Environment (SB)	3	C
SWU 374: Diversity and Oppression in a Social Work Context (C)	3	C
Term hours subtotal:	6	

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Social Problems and Interventions	3	
Public Service Interdisciplinary Requirement	3	
Term hours subtotal:	6	

- For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.
- Develop your professional online presence.

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SWU 332: Social Policy and Advocacy	3	C
Upper Division Social Problems and Interventions	3	
Term hours subtotal:	6	

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Social Problems and Interventions	3	
Elective	3	
Term hours subtotal:	6	

- Use Handshake to research employment opportunities.

Term 9 - A 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Social Problems and Interventions	3	
Elective OR SWU 484: Internship	3	
Term hours subtotal:	6	

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ Social Problems and Interventions	3	
Upper Division Diversity and Oppressed Populations	3	
Term hours subtotal:	6	

- Apply for full-time career opportunities.

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
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Upper Division Diversity and Oppressed Populations	3	
Elective	3	
Term hours subtotal:	6	

		Minimum Grade	
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Term 10 - B 117 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Grade	Notes
★ SWU 488: Advocacy Strategies	3	C	
Term hours subtotal:		3	

• For the Public Service Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

Social Problems and Interventions - Courses focus on social problems that disproportionately affect members of oppressed populations and change strategies. Select five of the courses in this sequence; four courses must be SWU courses; 12 credits must be upper division.

Diversity and Oppressed Populations - Courses focus on oppressed or marginalized populations and systems of oppression/domination. Select five of the courses in this sequence; two courses must be SWU courses; 9 credits must be upper division.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Public Service Interdisciplinary Requirement-Area 1	Public Service Interdisciplinary Requirement-Area 2	Public Service Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	CRD 302: Inclusive Community Development (SB & C)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	CSM 201: Introduction to Community Sports
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	PRM 120: Leisure and the Quality of Life (SB)
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	PRM 364: Foundations of Recreation Therapy (SB)
CRJ 230: Introduction to Policing		PRM 380: Wilderness and Parks in America (SB & H)
CRJ 240: Introduction to Corrections		TDM 205: Introduction to Travel and Tourism (G)
CRJ 260: Substantive Criminal Law		TDM 458: International Tourism (G)
CRJ 270: Community Justice (SB)		
CRJ 305: Gender, Crime, and Criminal Justice (C)		
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		
Public Service Interdisciplinary Requirement-Area 4	Social Problems and Interventions Courses	Diversity and Oppressed Populations Courses
CPP Elective	AIS 180: Introduction to American Indian Studies (C)	AFR 375: Race, Gender and Sport (SB & C)

ASB 300: Food and Culture ((L or SB) & C)	AMS 380: Race, Gender, and Class (SB & C)
ASB 462: Medical Anthropology: Culture and Health (SB & C)	APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C)
CHS 201: International Indigenous Health	CRJ 305: Gender, Crime, and Criminal Justice (C)
CRJ 204: Juvenile Justice	FAS 370: Family Ethnic and Cultural Diversity (SB & C)
CRJ 461: Domestic Violence	HST 325: Immigration and Ethnicity in the United States (SB & H & C)
HSC 210: Cultural Aspects of Health (C)	JUS 350: Immigration and Justice (SB & C)
HST 339: Islam in the Modern World (HU & G)	MCO 460: Race, Gender, and Media (C)
SOC 241: Modern Social Problems (SB)	MUS 410: History of Women in Music (HU & C & H)
SOC 264: Gender and Society (SB & C)	POS 435: Women and Politics (SB & C)
SOC 270: Racial and Ethnic Relations (SB & C)	REL 330: Native American Worldviews (HU & C)
SOC 424: Women and Health (SB)	SOC 270: Racial and Ethnic Relations (SB & C)
SPE 222: Orientation to Education of Exceptional Children (SB & C)	SOC 378: Migration and Society (SB & C)
SWU 250: Stress Management Tools I (SB)	SOC 418: Aging and the Life Course (SB & H)
SWU 349: Stress Management Tools II (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
SWU 351: Sustainable Living, Mindful Eating (SB)	SWU 457: Southwest Borderland Immigration Issues (C)
SWU 454: Overview of Addictions	SWU 498: Working With American Indians (L)
SWU 456: Immigrants and Refugees (C)	WST 300: Women and Gender in Contemporary Society (SB & C)
SWU 458: Behavioral Health Services	
SWU 460: Legal Issues in Social Work	
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
SWU 462: Global Social Welfare (G)	
SWU 498: Introduction Health Practice (L)	
TCL 323: Latina/o Health Issues (SB & C)	
TWC 454: Information Technology and Culture (C)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.



**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Community Development, BA



School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPCOMDEVBA

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 100: Introduction to Community Development	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
Milestone: Meet with the Clinical Assistant Professor for Internships to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	17		

Term 2 17 - 34 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 200: Foundations of Community Development	3	C	<ul style="list-style-type: none"> <li><b>Network</b> in your career interest area</li> <li>Once second language requirement is completed, students take elective credit.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 34 - 50 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> <li>Once second language requirement is completed, students take elective credit.</li> </ul>
Interdisciplinary Requirement	3		

Second Language: Requirement satisfied through the following: 4 C  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Humanities, Arts and Design (HU) AND Global Awareness (G) 3

Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3

🚩 Complete Mathematics (MA) requirement.

Term hours subtotal: 16

- Students can choose courses from any of the four Interdisciplinary Areas/track groups. To meet the requirement, students must take two courses from at least two different groups.

Term 4 50 - 65 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
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🚩 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L) 3 C

Emphasis Elective 3 C

Interdisciplinary Requirement 3

Second Language: Requirement satisfied through the following:  
 \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 4 C

Elective 2

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

- Once second language requirement is completed, students take elective credit.
- Students choose one emphasis area from below. Students will complete 6 courses (3 courses must be upper-division in Terms 6 and 7).

Term 5 65 - 81 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ CRD 301: Sustainable Communities 3 C

Complete 2 courses:  
 Emphasis Elective 6 C

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4

Term hours subtotal: 16

- Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement.
- Develop your **skills**

Term 6 81 - 96 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ CRD 302: Inclusive Community Development (SB & C) 3 C

⭐ CRD 402: Assessment and Evaluation of Community Services 3 C

CRD 300: Research Methods and Applied Skills 3 C

Complete 2 courses:  
 Upper Division Emphasis Elective 6 C

⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15

- Successful completion of CRD 402 will satisfy the college Solution-Based Learning (SBL) Requirement
- Develop your **professional online presence**

Term 7 96 - 108 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ CRD 403: Leadership and Professional Development 3 C

Upper Division Emphasis Elective 3 C

Upper Division Literacy and Critical Inquiry (L) 3

Upper Division Elective 3

Term hours subtotal: 12

- Research **employment/internship opportunities**

Minimum

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ CRD 400: Capstone: Leadership, Applied Skills and Community Development	3	C	
CRD 484: Internship	6	C	
Upper Division Elective	3		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
  - Successful completion of CRD 301 or CRD 402 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement - Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Nonprofit Leadership and Management Emphasis	Public Policy Emphasis
CPP Elective	NLM 160: Voluntary Action and Community Leadership (SB)	PAF 200: Public Service and Policy in the 21st Century
	NLM 220: Introduction to Nonprofit Organizations	PAF 201: Economics and Public Policy (SB)
		PAF 240: Urban Policy (C)

	NLM 300: Fund Raising and Resource Development	PAF 300: Public Management and Administration
	NLM 310: Volunteer Management	PAF 301: Applied Statistics (CS)
	NLM 380: Financial Management for Nonprofit Organizations	PAF 302: Public Service Research Methods
	NLM 410: Social Entrepreneurship	PAF 305: Urban Governance
	NLM 430: Managing Nonprofit Organizations (L)	PAF 311: Leadership and Change (SB)
	NLM 435: Service Learning for Community Development	PAF 340: Contemporary Policy Challenges
	NLM 451: Grant Writing	PAF 360: Emergency Management I
		PAF 405: Citizen Engagement and Community Building
		PAF 406: Public Administration and Community Development
		PAF 410: Building Leadership Skills (SB)
		PAF 420: Managing Across Boundaries
		PAF 471: Public Policy Analysis
<b>Sustainability Emphasis</b>	<b>Social Determinants of Health Emphasis</b>	<b>American Indian Emphasis</b>
SOS 100: Introduction to Sustainability (G)	CRD 471: Interprofessional Education and Community Health	AIS 180: Introduction to American Indian Studies (C)
SOS 110: Sustainable World (SB)	CRD 472: Interprofessional Education and Complex Health	AIS 285: Federal Indian Policy (H & C)
SOS 111: Sustainable Cities ((HU or SB) & G)	CRD 473: Interprofessional Education and Comprehensive Systems Health	AIS 320: American Indian Philosophies and World Views (HU & C)
SOS 181: Technological, Social, and Sustainable Systems (HU)	EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	AIS 360: Issues in Urban Indian Country (C)
SOS 220: Systems Thinking	HCD 303: Global Health Care Systems (G)	AIS 375: Innovation for American Indian Sustainability
SOS 310: Equity, Justice and Sustainability	HCR 230: Culture and Health (C & G)	AIS 380: Contemporary Issues of American Indian Nations (C)
SOS 311: Future Thinking and Strategies	HCR 231: Fundamentals of Community Health	AIS 385: Entrepreneurship for American Indian Sustainability
SOS 330: Sustaining the Commons (L)	HCR 302: Social Determinants of Health	AIS 470: Tribal Governance
	HEP 102: Foundations of Health Education and Health Promotion	
	HEP 444: Epidemiology	
	HEP 476: Community Health	
	MED 445: Prevention and Management of Chronic Disease	
	PBH 422: Health Disparities and Access to Health	
	POP 100: Introduction to Population Health	
	PRM 440: Advocacy in Therapeutic Recreation	

PRM 450: Therapeutic Recreation and  
Community Health

Tourism and Recreation Management  
Emphasis

TDM 205: Introduction to Travel and Tourism  
(G)

TDM 345: Meeting and Convention Planning

TDM 372: Tourism Planning (L)

TDM 401: Tourism Management

TDM 458: International Tourism (G)

TDM 480: Sustainable Tourism

TDM 481: Sustainable Food Management in  
Tourism

TDM 482: Sustainable Revenue Management

PRM 120: Leisure and the Quality of Life  
(SB)

PRM 304: Recreation Planning and Facility  
Development (L)

PRM 315: Community Recreation Systems

PRM 335: Sports and Recreation for Youth  
Development

PRM 350: Tourism, Recreation and Sports  
Marketing

PRM 364: Foundations of Recreation Therapy  
(SB)

PRM 370: Public Lands Management

PRM 380: Wilderness and Parks in America  
(SB & H)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map





### Community Sports Management, BS




School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus



PPCSMBS


Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		






Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		



Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CSM 201: Introduction to Community Sports	3	C	<ul style="list-style-type: none"> <li>Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> <li>CSM 201 - offered in Fall semester only</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
CSM 203: Program Planning	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		





Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>• Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
CSM Elective	3	C	
Interdisciplinary Requirement	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 or PRM 315 will satisfy the college Solution-Based Learning (SBL) Requirement.</li> <li>• Develop your <b>skills</b></li> <li>• PRM 315 - offered in Fall semester only</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 PRM 315: Community Recreation Systems	3	C	
CSM 306: Advanced Programming and Facilitation	3	C	
CSM 350: Tourism, Recreation and Sports Marketing	3	C	
CSM Elective	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 302: Inclusive Community Development (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CSM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>professional online presence</b></li> <li>• CSM 305 and CSM 401 - offered in Spring semester only</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 CSM 305: Sports Facility Operations and Management	3	C	
 CSM 402: Assessment and Evaluation of Community Services	3	C	
CSM 401: Managing Leisure Enterprises	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment/internship opportunities</b></li> <li>• CSM 407 - offered in Fall semester only</li> <li>• Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
CSM 407: Ethics and Legal Issues in Sports	3	C	
Complete 2 courses:			
CSM Elective	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CSM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of CSM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301 or PRM 315 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	CSM Electives (12 credits - grade of 'C' required)	
CPP Elective	CRD Elective	
	CSM 335: Sports and Recreation for Youth Development	
	CSM 453: Inclusive and Adaptive Sports and Recreation	
	CSM 483: Sports Tourism	
	CSM 485: Sports Events	
	NLM 160: Voluntary Action and Community Leadership (SB)	

NLM 220: Introduction to Nonprofit Organizations
NLM 310: Volunteer Management
NLM 380: Financial Management for Nonprofit Organizations
NLM 410: Social Entrepreneurship
NLM Elective
PAF 240: Urban Policy (C)
PAF 410: Building Leadership Skills (SB)
PRM 145: Special Events Management
PRM 364: Foundations of Recreation Therapy (SB)
PRM 455: Recreational Therapy and Play with Children, Youth and Families
PRM 475: Entrepreneurial Recreation and Tourism
PRM Elective
SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
TDM 205: Introduction to Travel and Tourism (G)
TDM 458: International Tourism (G)
TDM Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map



### Community Sports Management (Events), BS





School/College: Watts College of Public Service & Community Solut




Location: Downtown Phoenix campus



PPCSMEBS


Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
CSM 201: Introduction to Community Sports	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> </ul>
CSM 203: Program Planning	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
PRM 145: Special Events Management	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 or PRM 315 will satisfy the college Solution-Based Learning (SBL) Requirement.</li> <li>Develop your <b>skills</b></li> </ul>
 CSM 305: Sports Facility Operations and Management	3	C	
 PRM 315: Community Recreation Systems	3	C	
CSM 350: Tourism, Recreation and Sports Marketing	3	C	
PRM 422: Special Event Technology and Production OR PRM 423: Special Event Operations OR PRM 427: Where's the Money: Special Event Revenue Generation OR PRM 487: Advanced Special Events Management OR PRM Elective OR CRD Elective OR NLM Elective OR TDM Elective	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 302: Inclusive Community Development (SB & C)	3	C	<ul style="list-style-type: none"> <li>Successful completion of CSM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>professional online presence</b></li> </ul>
 CSM 402: Assessment and Evaluation of Community Services	3	C	
CSM 407: Ethics and Legal Issues in Sports	3	C	
CSM 483: Sports Tourism	3	C	
NLM 310: Volunteer Management	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>Research <b>employment and internship opportunities</b></li> </ul>
CSM 401: Managing Leisure Enterprises	3	C	
CSM 485: Sports Events	3	C	
PRM 422: Special Event Technology and Production OR PRM 423: Special Event Operations OR PRM 427: Where's the Money: Special Event Revenue Generation OR PRM 487: Advanced Special Events Management OR PRM Elective OR CRD Elective OR NLM Elective OR TDM Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
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- Successful completion of CSM 463 will satisfy the college Solution-Based Learning (SBL) Requirement

• For the Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, PRM 315, CSM 463, or CSM 402 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4		
CPP Elective		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map




### Criminology and Criminal Justice, BS

School/College: [Watts College of Public Service & Community Solut](#)



Location: [Downtown Phoenix campus](#), [West campus](#), [ASU@Lake Havasu](#), [ASU@Tucson](#), [ASU@Yuma](#)  
PPCRIMJBS

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 100: Introduction to Criminal Justice (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	17		




Term 2 17 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> <li>Explore <b>study abroad options</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		



Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Create a first draft <b>resume</b></li> <li>Explore <b>study abroad options</b></li> </ul>
 CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections	6	C	
Interdisciplinary Requirement	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>• The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits.</li> <li>• Upper-division course electives may fulfill the college Solution-Based Learning (SBL) requirement. Please see your advisor for more information.</li> <li>• Develop your <a href="#">professional online presence</a></li> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Solution-Based Learning (SBL) Requirement	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 302: Research Methods (L)	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
CRJ 2** Elective	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 303: Statistical Analysis (CS)	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
CRJ 309: Criminology (SB)	3	C	
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 305: Gender, Crime, and Criminal Justice (C) OR CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	3	C	<ul style="list-style-type: none"> <li>• Research <a href="#">employment opportunities</a></li> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
CRJ 4** Elective	3	C	
Complete 2 courses: CRJ 3** Elective OR CRJ 4** Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 Complete 3 courses: CRJ 4** Elective	9	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a></li> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
Upper Division Related Area Course	3	C	
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) Requirement:
- Students must complete SBL coursework for a total of 3 credits by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement - Area 3
CRD 302: Inclusive Community Development (SB & C)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRD 471: Interprofessional Education and Community Health	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRD 472: Interprofessional Education and Complex Health	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRD 473: Interprofessional Education and Comprehensive Systems Health	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CSM 201: Introduction to Community Sports	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
NLM 160: Voluntary Action and Community Leadership (SB)	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
NLM 220: Introduction to Nonprofit Organizations		SWU 349: Stress Management Tools II (SB)
PRM 120: Leisure and the Quality of Life (SB)		SWU 456: Immigrants and Refugees (C)
PRM 364: Foundations of Recreation Therapy (SB)		SWU 458: Behavioral Health Services
PRM 380: Wilderness and Parks in America (SB & H)		SWU 459: Spirituality and the Helping Professions
TDM 205: Introduction to Travel and Tourism (G)		SWU 460: Legal Issues in Social Work
TDM 458: International Tourism (G)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Solution-Based Learning (SBL) Requirement	Related Area Courses
CPP Elective	CPP 350: Community Works	AIS 360: Issues in Urban Indian Country (C)
	CPP 353: Community Impact Lab	AIS 380: Contemporary Issues of American Indian Nations (C)
	CRD 301: Sustainable Communities	ASB 305: Poverty and Global Health ((L or SB) & G)
	CRD 435: Service Learning for Community Development	COM 312: Communication, Conflict, and Negotiation
	CRD 471: Interprofessional Education and Community Health	COM 314: Inner-City Families: The Cycle of Poverty
	CRD 472: Interprofessional Education and Complex Health	

CRD 473: Interprofessional Education and Comprehensive Systems Health	COM 319: Persuasion and Social Influence (SB)
CRJ 317: Inside-Out Prison Exchange Program	COM 325: Advanced Public Speaking and Presentations (L)
CRJ 394: Comparative Organized Crime	COM 326: Court Room Oratory
CRJ 394: The British Roots of U.S. Criminal Justice	COM 414: Crisis Communication
CRJ 455: Police and International Terrorism	COM 421: Rhetoric of Social Issues (HU)
CRJ 456: Etiology of Martyrdom	CPP 350: Community Works
CRJ 484: Internship	CPP 353: Community Impact Lab
CRJ 492: Honors Directed Study	CRD 302: Inclusive Community Development (SB & C)
CRJ 493: Honors Thesis (L)	ENG 301: Writing for the Professions (L)
CRJ 496: Directed Research	ENG 302: Business Writing (L)
CRJ 499: Individualized Instruction	ENG 311: Persuasive Writing (L)
NLM 160: Voluntary Action and Community Leadership (SB)	HST 322: Constitutional History of the United States Since 1865 (H)
NLM 435: Service Learning for Community Development	HST 325: Immigration and Ethnicity in the United States (SB & H & C)
PRM 145: Special Events Management	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)
PRM 203: Program Planning	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
PRM 315: Community Recreation Systems	HST 334: African American History Since 1865 ((HU or SB) & C & H)
PRM 370: Public Lands Management	HST 338: American Indian History since 1900 ((HU or SB) & C & H)
SWU 291: Social Service Delivery Systems	HST 454: History of Genocide (G & H)
SWU 394: Ending Homelessness	IAS 300: Career Strategies and Personal Resilience (L or SB)
TDM 345: Meeting and Convention Planning	JUS 329: Domestic Violence (SB)
	JUS 350: Immigration and Justice (SB & C)
	JUS 370: Cultural Diversity and Justice ((L or HU) & C)
	JUS 374: The Holocaust, Genocide, and Human Rights
	JUS 410: Punishment: Logic and Approach
	JUS 432: Racial Justice (L)
	JUS 465: Death Penalty in the United States (L)
	JUS 467: Terrorism, War, and Justice (SB)
	JUS 477: Youth and Justice (L or SB)

LAW 310: The Global Legal Community

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PAF 300: Public Management and Administration

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PAF 305: Urban Governance

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PAF 311: Leadership and Change (SB)

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PAF 340: Contemporary Policy Challenges

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PAF 351: Urban and Metropolitan Studies

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PAF 410: Building Leadership Skills (SB)

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PAF 460: Public Service Ethics

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PAF 469: Terrorism Defense

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PHI 306: Applied Ethics (HU)

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PHI 307: Philosophy of Law (HU)

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PHI 336: Social and Political Philosophy (HU)

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PHI 360: Business and Professional Ethics (HU)

---

PHI 406: Moral Dilemmas (L or HU)

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POS 310: American National Government (SB)

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POS 325: Public Policy Development (SB)

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POS 346: Problems of Democracy (HU)

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POS 364: National Security, Intelligence, and Terrorism (SB)

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POS 370: Law and Society (SB)

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POS 442: American Political Thought (HU)

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POS 467: International Security (SB & G)

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POS 470: Law and the Political Order (SB)

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POS 471: Constitutional Law I (SB)

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POS 472: Constitutional Law II (SB)

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POS 480: Global Justice (G)

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PSY 350: Social Psychology (SB)

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PSY 366: Abnormal Psychology (SB)

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PSY 368: Forensic Psychology

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PSY 443: Abnormal Child Psychology (L or SB)

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PUP 301: Introduction to Urban Planning (L)

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REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)

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REL 381: Religion and Moral Issues (L or HU)

SGS 320: Mechanisms of Global Governance

SGS 340: Violence, Conflict and Human Rights

SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G)

SOC 312: Adolescence (SB)

SOC 332: The Modern City (G)

SOC 340: The Sociology of Deviance (SB)

SOC 352: Social Change (SB & G & H)

SOC 360: Sociological Psychology (SB)

SOC 363: Men and Masculinity (SB)

SOC 426: Social Inequality (SB)

STS 364: Science, Technology, and National Security (SB)

SWU 454: Overview of Addictions

SWU 456: Immigrants and Refugees (C)

SWU 457: Southwest Borderland Immigration Issues (C)

SWU 460: Legal Issues in Social Work

SWU 498: Sex Trafficking Research Practicum (L)

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)

TCL 332: Mexican American History Since 1900 (SB & H & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Criminology and Criminal Justice, BS







School/College: [Watts College of Public Service & Community Solut](#)

Location: [Online, ASU Local@Los Angeles](#)

PPCRIMJBS

**FT** Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 100: Introduction to Criminal Justice (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>View ASU Online first-year registration information <a href="#">here</a>.</li> <li>Select your <b>career interest area</b> and play <a href="#">me3@ASU</a></li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - A 14 - 20 Credit Hours	Hours	Minimum Grade	Notes
MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> <li>Explore <b>study abroad options</b></li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		
Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	<ul style="list-style-type: none"> <li>Explore <b>study abroad options</b></li> </ul>
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 27 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes



❗ CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>• Create a first draft <b>resume</b></li> <li>• Explore <b>study abroad options</b></li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		

Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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❗ CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>• Explore <b>study abroad options</b></li> </ul>
Elective	3		
❗ Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 45 Credit Hours <b>Critical course signified by</b> ❗	Hours	Minimum Grade	Notes
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❗ CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
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Interdisciplinary Requirement	3		<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Develop your <b>professional online presence</b></li> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CRJ 302: Research Methods (L)	3	C	<ul style="list-style-type: none"> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
CRJ 2** Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CRJ 303: Statistical Analysis (CS)	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ CRJ 305: Gender, Crime, and Criminal Justice (C) OR CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	3	C	<ul style="list-style-type: none"> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits.</li> <li>Upper-division course electives may fulfill the college Solution-Based Learning (SBL) requirement. Please see your advisor for more information.</li> <li>Explore <a href="#">study abroad options</a></li> <li>Explore an <a href="#">internship</a></li> </ul>
Solution-Based Learning (SBL) Requirement	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		
Term 7 - A 75 - 81 Credit Hours	Hours	Minimum Grade	Notes
CRJ 309: Criminology (SB)	3	C	<ul style="list-style-type: none"> <li>Explore <a href="#">study abroad options</a></li> <li>Explore an <a href="#">internship</a></li> </ul>
Upper Division Related Area Course	3	C	
Term hours subtotal:	6		
Term 7 - B 81 - 87 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRJ 3** Elective OR CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>Explore <a href="#">study abroad options</a></li> <li>Explore an <a href="#">internship</a></li> </ul>
Upper Division Related Area Course	3	C	
Term hours subtotal:	6		
Term 8 - A 87 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRJ 3** Elective OR CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>Explore <a href="#">study abroad options</a></li> <li>Explore an <a href="#">internship</a></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 8 - B 93 - 99 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <a href="#">employment opportunities</a></li> <li>Explore <a href="#">study abroad options</a></li> <li>Explore an <a href="#">internship</a></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 9 - A 99 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual <a href="#">practice interview</a></li> <li>Explore an <a href="#">internship</a></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 9 - B 105 - 111 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>Explore an <a href="#">internship</a></li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		
Term 10 - A 111 - 117 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ CRJ 4** Elective	3	C	• Gather professional references
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Term hours subtotal:	3		• Apply for full-time career opportunities

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) College Requirement:
- Students must complete SBL coursework for a total of 3 credits by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement - Area 3
CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)	PAF 200: Public Service and Policy in the 21st Century
CSM 201: Introduction to Community Sports	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	PAF 201: Economics and Public Policy (SB)
PRM 120: Leisure and the Quality of Life (SB)	SWU 181: Economics: A Social Issues Perspective	PAF 311: Leadership and Change (SB)
PRM 364: Foundations of Recreation Therapy (SB)	SWU 182: Social Services Perspective of Government (SB)	PAF 410: Building Leadership Skills (SB)
PRM 380: Wilderness and Parks in America (SB & H)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
TDM 205: Introduction to Travel and Tourism (G)	SWU 250: Stress Management Tools I (SB)	
TDM 458: International Tourism (G)	SWU 349: Stress Management Tools II (SB)	
	SWU 456: Immigrants and Refugees (C)	
	SWU 458: Behavioral Health Services	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
Interdisciplinary Requirement-Area 4	Solution-Based Learning (SBL) Requirement	Related Area Courses
CPP Elective	CPP 350: Community Works	ASB 305: Poverty and Global Health ((L or SB) & G)
	CPP 353: Community Impact Lab	COM 312: Communication, Conflict, and Negotiation
	CRD 435: Service Learning for Community Development	COM 319: Persuasion and Social Influence (SB)
	CRJ 394: Comparative Organized Crime	COM 414: Crisis Communication

CRJ 394: The British Roots of U.S. Criminal Justice	CPP 350: Community Works
CRJ 455: Police and International Terrorism	CPP 353: Community Impact Lab
CRJ 456: Etiology of Martyrdom	CRD 302: Inclusive Community Development (SB & C)
CRJ 484: Internship	ENG 301: Writing for the Professions (L)
CRJ 499: Individualized Instruction	ENG 302: Business Writing (L)
NLM 435: Service Learning for Community Development	ENG 311: Persuasive Writing (L)
PRM 145: Special Events Management	HST 325: Immigration and Ethnicity in the United States (SB & H & C)
PRM 203: Program Planning	HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)
SWU 291: Social Service Delivery Systems	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
SWU 394: Ending Homelessness	HST 338: American Indian History since 1900 ((HU or SB) & C & H)
TDM 345: Meeting and Convention Planning	HST 454: History of Genocide (G & H)
	IAS 300: Career Strategies and Personal Resilience (L or SB)
	JUS 329: Domestic Violence (SB)
	JUS 350: Immigration and Justice (SB & C)
	JUS 374: The Holocaust, Genocide, and Human Rights
	JUS 432: Racial Justice (L)
	JUS 477: Youth and Justice (L or SB)
	PAF 300: Public Management and Administration
	PAF 311: Leadership and Change (SB)
	PAF 340: Contemporary Policy Challenges
	PAF 410: Building Leadership Skills (SB)
	PAF 460: Public Service Ethics
	PAF 469: Terrorism Defense
	PHI 306: Applied Ethics (HU)
	PHI 307: Philosophy of Law (HU)
	PHI 336: Social and Political Philosophy (HU)
	POS 346: Problems of Democracy (HU)
	PHI 360: Business and Professional Ethics (HU)
	POS 310: American National Government (SB)

POS 325: Public Policy Development (SB)

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POS 364: National Security, Intelligence, and Terrorism (SB)

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POS 370: Law and Society (SB)

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POS 442: American Political Thought (HU)

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POS 467: International Security (SB & G)

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POS 471: Constitutional Law I (SB)

---

POS 472: Constitutional Law II (SB)

---

PSY 350: Social Psychology (SB)

---

PSY 366: Abnormal Psychology (SB)

---

PSY 368: Forensic Psychology

---

PUP 301: Introduction to Urban Planning (L)

---

SGS 340: Violence, Conflict and Human Rights

---

SOC 312: Adolescence (SB)

---

SOC 332: The Modern City (G)

---

SOC 340: The Sociology of Deviance (SB)

---

SOC 352: Social Change (SB & G & H)

---

STS 364: Science, Technology, and National Security (SB)

---

SWU 454: Overview of Addictions

---

SWU 456: Immigrants and Refugees (C)

---

SWU 457: Southwest Borderland Immigration Issues (C)

---

SWU 460: Legal Issues in Social Work

---

SWU 498: Sex Trafficking Research Practicum (L)

---

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)

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TCL 332: Mexican American History Since 1900 (SB & H & C)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Criminology and Criminal Justice (Policing), BS




School/College: [Watts College of Public Service & Community Solut](#)

Location: [Downtown Phoenix campus](#), [West campus](#)



PPCRJPOLBS



Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 100: Introduction to Criminal Justice (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	17		



Term 2 17 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> <li>Explore <b>study abroad options</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		



Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 203: Courts and Sentencing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Create a first draft <b>resume</b></li> </ul>
CRJ 230: Introduction to Policing	3	C	
Interdisciplinary Requirement	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 203: Courts and Sentencing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>• The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of three credit hours.</li> <li>• Upper-division course electives may fulfill the college Solution-Based Learning (SBL) requirement. Please see your advisor for more information.</li> <li>• Develop your <a href="#">professional online presence</a></li> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Solution-Based Learning (SBL) Requirement	3		
CRJ 2** Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 302: Research Methods (L)	3	C	
CRJ 309: Criminology (SB)	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 303: Statistical Analysis (CS)	3	C	<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
CRJ 315: Police Organization and Management	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 305: Gender, Crime, and Criminal Justice (C) OR CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	3	C	<ul style="list-style-type: none"> <li>• Research <a href="#">employment opportunities</a></li> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> <li>• Explore an <a href="#">internship</a></li> <li>• Policing Concentration Elective: Choose one course from the list below. Students enrolling in CRJ 484 should have an internship with local, state, or federal police or law enforcement agency. Students may substitute other CRJ 494 topics if course focuses on a policing topic.</li> </ul>
CRJ 409: Police Accountability	3	C	
Upper Division Policing Concentration Elective	3	C	
CRJ 4** Elective	3	C	
CRJ Upper Division Elective	3	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 4** Elective	3	C	<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a></li> <li>• Apply for <a href="#">full-time career opportunities</a></li> </ul>
CRJ 410: Criminal Procedure: The Law of Investigations	3	C	



CRJ 450: Crime Analysis	3	C
Upper Division Related Area Course	3	C
Term hours subtotal:	12	

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) Requirement:

- Students must complete SBL coursework for a total of three credit hours by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement - Area 3
CRD 302: Inclusive Community Development (SB & C)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRD 471: Interprofessional Education and Community Health	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRD 472: Interprofessional Education and Complex Health	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRD 473: Interprofessional Education and Comprehensive Systems Health	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CSM 201: Introduction to Community Sports	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
NLM 160: Voluntary Action and Community Leadership (SB)	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
NLM 220: Introduction to Nonprofit Organizations		SWU 349: Stress Management Tools II (SB)
PRM 120: Leisure and the Quality of Life (SB)		SWU 456: Immigrants and Refugees (C)
PRM 364: Foundations of Recreation Therapy (SB)		SWU 458: Behavioral Health Services
PRM 380: Wilderness and Parks in America (SB & H)		SWU 459: Spirituality and the Helping Professions
TDM 205: Introduction to Travel and Tourism (G)		SWU 460: Legal Issues in Social Work
TDM 458: International Tourism (G)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement - Area 4	Solution-Based Learning (SBL) Requirement	Upper Division Policing Concentration Elective
CPP Elective	CPP 350: Community Works	CRJ 321: Evidence: Imperatives of Proof
	CPP 353: Community Impact Lab	CRJ 403: Victims and the Criminal Justice System
	CRD 301: Sustainable Communities	CRJ 455: Police and International Terrorism
	CRD 435: Service Learning for Community Development	CRJ 484: Internship
	CRD 471: Interprofessional Education and Community Health	CRJ 494: Community Policing

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CRD 472: Interprofessional Education and Complex Health

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CRD 473: Interprofessional Education and Comprehensive Systems Health

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CRJ 317: Inside-Out Prison Exchange Program

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CRJ 394: Comparative Organized Crime

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CRJ 394: The British Roots of U.S. Criminal Justice

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CRJ 455: Police and International Terrorism

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CRJ 456: Etiology of Martyrdom

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CRJ 484: Internship

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CRJ 492: Honors Directed Study

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CRJ 493: Honors Thesis (L)

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CRJ 496: Directed Research

---

CRJ 499: Individualized Instruction

---

NLM 160: Voluntary Action and Community Leadership (SB)

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NLM 435: Service Learning for Community Development

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PRM 145: Special Events Management

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PRM 203: Program Planning

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PRM 315: Community Recreation Systems

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PRM 370: Public Lands Management

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SWU 291: Social Service Delivery Systems

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SWU 394: Ending Homelessness

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TDM 345: Meeting and Convention Planning

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CRJ 494: Problem-Oriented Policing

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CRJ 494: Visual Media, Neighborhoods, & Policing

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Related Area Courses

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AFR 335: Historical Studies in Race, Crime, and the Law

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AFR 352: Borders, Prisons and Suburbs (SB & C)

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AIS 360: Issues in Urban Indian Country (C)

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AIS 380: Contemporary Issues of American Indian Nations (C)

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ASB 305: Poverty and Global Health ((L or SB) & G)

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COM 312: Communication, Conflict, and Negotiation

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COM 314: Inner-City Families: The Cycle of Poverty

COM 319: Persuasion and Social Influence (SB)

COM 325: Advanced Public Speaking and Presentations (L)

COM 326: Court Room Oratory

COM 414: Crisis Communication

COM 421: Rhetoric of Social Issues (HU)

CPP 350: Community Works

CPP 353: Community Impact Lab

CRD 302: Inclusive Community Development (SB & C)

ENG 301: Writing for the Professions (L)

ENG 302: Business Writing (L)

ENG 311: Persuasive Writing (L)

HST 322: Constitutional History of the United States Since 1865 (H)

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 334: African American History Since 1865 ((HU or SB) & C & H)

HST 338: American Indian History since 1900 ((HU or SB) & C & H)

HST 454: History of Genocide (G & H)

IAS 300: Career Strategies and Personal Resilience (L or SB)

JUS 329: Domestic Violence (SB)

JUS 350: Immigration and Justice (SB & C)

JUS 370: Cultural Diversity and Justice (L or HU) & C)

JUS 374: The Holocaust, Genocide, and Human Rights

JUS 410: Punishment: Logic and Approach

JUS 432: Racial Justice (L)

JUS 465: Death Penalty in the United States (L)

JUS 467: Terrorism, War, and Justice (SB)

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JUS 477: Youth and Justice (L or SB)

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LAW 310: The Global Legal Community

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PAF 300: Public Management and Administration

---

PAF 305: Urban Governance

---

PAF 311: Leadership and Change (SB)

---

PAF 340: Contemporary Policy Challenges

---

PAF 351: Urban and Metropolitan Studies

---

PAF 410: Building Leadership Skills (SB)

---

PAF 460: Public Service Ethics

---

PAF 469: Terrorism Defense

---

PHI 306: Applied Ethics (HU)

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PHI 307: Philosophy of Law (HU)

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PHI 336: Social and Political Philosophy (HU)

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PHI 360: Business and Professional Ethics (HU)

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PHI 406: Moral Dilemmas (L or HU)

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POS 310: American National Government (SB)

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POS 325: Public Policy Development (SB)

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POS 346: Problems of Democracy (HU)

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POS 364: National Security, Intelligence, and Terrorism (SB)

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POS 370: Law and Society (SB)

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POS 442: American Political Thought (HU)

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POS 467: International Security (SB & G)

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POS 470: Law and the Political Order (SB)

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POS 471: Constitutional Law I (SB)

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POS 472: Constitutional Law II (SB)

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POS 480: Global Justice (G)

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PSY 350: Social Psychology (SB)

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PSY 366: Abnormal Psychology (SB)

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PSY 368: Forensic Psychology

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PSY 443: Abnormal Child Psychology (L or SB)

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PUP 301: Introduction to Urban Planning (L)

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REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)

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REL 381: Religion and Moral Issues (L or HU)

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SGS 320: Mechanisms of Global Governance

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SGS 340: Violence, Conflict and Human Rights

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SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G)

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SOC 312: Adolescence (SB)

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SOC 332: The Modern City (G)

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SOC 340: The Sociology of Deviance (SB)

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SOC 352: Social Change (SB & G & H)

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SOC 360: Sociological Psychology (SB)

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SOC 363: Men and Masculinity (SB)

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SOC 426: Social Inequality (SB)

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STS 364: Science, Technology, and National Security (SB)

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SWU 454: Overview of Addictions

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SWU 456: Immigrants and Refugees (C)

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SWU 457: Southwest Borderland Immigration Issues (C)

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SWU 460: Legal Issues in Social Work

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SWU 498: Sex Trafficking Research Practicum (L)

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TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)

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TCL 332: Mexican American History Since 1900 (SB & H & C)

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map



### Criminology and Criminal Justice (Policing), BS



School/College: [Watts College of Public Service & Community Solut](#)

Location: [Online, ASU Local@Los Angeles](#)



PPCRJPOLBS



Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 100: Introduction to Criminal Justice (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year registration information <a href="#">here</a>.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a></li> </ul>
ENG 105: Advanced First-Year Composition OR			
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - A 14 - 20 Credit Hours	Hours	Minimum Grade	Notes
MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b></li> <li>Explore <b>study abroad options</b></li> </ul>
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		
Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 27 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 203: Courts and Sentencing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>Create a first draft <b>resume</b></li> <li>Explore <b>study abroad options</b></li> </ul>
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		



Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
CRJ 230: Introduction to Policing	3	C	
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 203: Courts and Sentencing OR CRJ 240: Introduction to Corrections	3	C	<ul style="list-style-type: none"> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Interdisciplinary Requirement	3		<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 302: Research Methods (L)	3	C	<ul style="list-style-type: none"> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
CRJ 2** Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 303: Statistical Analysis (CS)	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRJ 305: Gender, Crime, and Criminal Justice (C) OR CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	3	C	<ul style="list-style-type: none"> <li>• Explore <b>study abroad options</b></li> <li>• Explore an <b>internship</b></li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	<ul style="list-style-type: none"> <li>• The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of three credit hours.</li> </ul>
Solution-Based Learning (SBL) Requirement	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		



- Upper-division course electives may fulfill the college Solution-Based Learning (SBL) requirement. Please see your advisor for more information.

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 309: Criminology (SB)	3	C	
Upper Division Related Area Course	3	C	
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	
CRJ Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours	Hours	Minimum Grade	Notes
CRJ 315: Police Organization and Management	3	C	
Elective	3		<ul style="list-style-type: none"> <li>• Explore <a href="#">study abroad options</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 4** Elective	3	C	
Elective	3		<ul style="list-style-type: none"> <li>• Use Handshake to research <a href="#">employment opportunities</a></li> </ul>
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 4** Elective	3	C	
Elective	3		<ul style="list-style-type: none"> <li>• Complete an in person or virtual <a href="#">practice interview</a></li> <li>• Explore an <a href="#">internship</a></li> </ul>
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
CRJ 409: Police Accountability	3	C	
CRJ 410: Criminal Procedure: The Law of Investigations	3	C	
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRJ 450: Crime Analysis	3	C	
Elective	3		<ul style="list-style-type: none"> <li>• Gather <a href="#">professional references</a></li> </ul>
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Policing Concentration Elective	3	C	
Term hours subtotal:	3		<ul style="list-style-type: none"> <li>• Apply for <a href="#">full-time career opportunities</a></li> <li>• Policing Concentration Elective: choose one course from the list below.</li> </ul>

- Students enrolling in CRJ 484 should have an internship with local, state, or federal police or law enforcement agency. Students may substitute other CRJ 494 topics if course focuses on a policing topic.

- For the Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete SBL coursework for a total of three credit hours by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement - Area 3
CRD 302: Inclusive Community Development (SB & C)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CSM 201: Introduction to Community Sports	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
PRM 120: Leisure and the Quality of Life (SB)	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
PRM 364: Foundations of Recreation Therapy (SB)	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
PRM 380: Wilderness and Parks in America (SB & H)		SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
TDM 205: Introduction to Travel and Tourism (G)		SWU 250: Stress Management Tools I (SB)
TDM 458: International Tourism (G)		SWU 349: Stress Management Tools II (SB)
		SWU 456: Immigrants and Refugees (C)
		SWU 458: Behavioral Health Services
		SWU 460: Legal Issues in Social Work
		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement - Area 4	Solution-Based Learning (SBL) Requirement	Upper Division Policing Concentration Elective
CPP Elective	CPP 350: Community Works	CRJ 321: Evidence: Imperatives of Proof
	CPP 353: Community Impact Lab	CRJ 403: Victims and the Criminal Justice System
	CRD 435: Service Learning for Community Development	CRJ 455: Police and International Terrorism
	CRJ 394: Comparative Organized Crime	CRJ 484: Internship
	CRJ 394: The British Roots of U.S. Criminal Justice	CRJ 494: Community Policing
	CRJ 455: Police and International Terrorism	CRJ 494: Problem-Oriented Policing

CRJ 456: Etiology of Martyrdom

CRJ 494: Visual Media, Neighborhoods, & Policing

CRJ 484: Internship

CRJ 499: Individualized Instruction

NLM 435: Service Learning for Community Development

PRM 145: Special Events Management

PRM 203: Program Planning

SWU 291: Social Service Delivery Systems

SWU 394: Ending Homelessness

TDM 345: Meeting and Convention Planning

#### Related Area Courses

ASB 305: Poverty and Global Health ((L or SB) & G)

COM 312: Communication, Conflict, and Negotiation

COM 319: Persuasion and Social Influence (SB)

COM 414: Crisis Communication

CPP 350: Community Works

CPP 353: Community Impact Lab

CRD 302: Inclusive Community Development (SB & C)

ENG 301: Writing for the Professions (L)

ENG 302: Business Writing (L)

ENG 311: Persuasive Writing (L)

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 338: American Indian History since 1900 ((HU or SB) & C & H)

HST 454: History of Genocide (G & H)

IAS 300: Career Strategies and Personal Resilience (L or SB)

JUS 329: Domestic Violence (SB)

JUS 350: Immigration and Justice (SB & C)

JUS 374: The Holocaust, Genocide, and Human Rights

JUS 432: Racial Justice (L)

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JUS 477: Youth and Justice (L or SB)

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PAF 300: Public Management and  
Administration

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PAF 311: Leadership and Change (SB)

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PAF 340: Contemporary Policy Challenges

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PAF 410: Building Leadership Skills (SB)

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PAF 460: Public Service Ethics

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PAF 469: Terrorism Defense

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PHI 306: Applied Ethics (HU)

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PHI 307: Philosophy of Law (HU)

---

PHI 336: Social and Political Philosophy (HU)

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PHI 360: Business and Professional Ethics  
(HU)

---

POS 310: American National Government  
(SB)

---

POS 325: Public Policy Development (SB)

---

POS 346: Problems of Democracy (HU)

---

POS 364: National Security, Intelligence, and  
Terrorism (SB)

---

POS 370: Law and Society (SB)

---

POS 442: American Political Thought (HU)

---

POS 467: International Security (SB & G)

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POS 471: Constitutional Law I (SB)

---

POS 472: Constitutional Law II (SB)

---

PSY 350: Social Psychology (SB)

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PSY 366: Abnormal Psychology (SB)

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PSY 368: Forensic Psychology

---

PUP 301: Introduction to Urban Planning (L)

---

SGS 340: Violence, Conflict and Human  
Rights

---

SOC 312: Adolescence (SB)

---

SOC 332: The Modern City (G)

---

SOC 340: The Sociology of Deviance (SB)

---

SOC 352: Social Change (SB & G & H)

---

STS 364: Science, Technology, and National  
Security (SB)

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SWU 454: Overview of Addictions

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SWU 456: Immigrants and Refugees (C)

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SWU 457: Southwest Borderland Immigration Issues (C)

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SWU 460: Legal Issues in Social Work

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SWU 498: Sex Trafficking Research Practicum (L)

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TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)

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TCL 332: Mexican American History Since 1900 (SB & H & C)

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**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Nonprofit Leadership and Management, BS




School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPNLMBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NLM 160: Voluntary Action and Community Leadership (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Successful completion of NLM 160 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 SOC 101: Introductory Sociology (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 NLM 220: Introduction to Nonprofit Organizations	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
Interdisciplinary Requirement	3		
NLM Elective	3	C	
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>skills</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
★ NLM 300: Fund Raising and Resource Development	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
NLM 310: Volunteer Management	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NLM 380: Financial Management for Nonprofit Organizations	3	C	<ul style="list-style-type: none"> <li>Successful completion of NLM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>professional online presence</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
★ NLM 402: Assessment and Evaluation of Community Services	3	C	
NLM 410: Social Entrepreneurship	3	C	
NLM Elective	3	C	
Upper Division Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NLM 430: Managing Nonprofit Organizations (L)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment/internship opportunities</b></li> <li>Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
CRD 403: Leadership and Professional Development	3	C	
Complete 2 courses:			
NLM Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NLM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>Successful completion of NLM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of NLM 160, CRD 301, NLM 402, or NLM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	NLM Elective (choose 12 credits)	
CPP Elective	ACC 382: Accounting and Financial Analysis	
	COM 259: Communication in Business and the Professions	
	COM 263: Elements of Intercultural Communication (SB & C & G)	
	CRD Elective	
	CSM 485: Sports Events	
	CSM Elective	
	MGT 380: Management and Strategy for Nonmajors	
	NLM 203: Program Planning	
	NLM 320: Professional Development Seminar	



NLM 420: Nonprofit Leadership Alliance  
Institute

NLM 435: Service Learning for Community  
Development

NLM 451: Grant Writing

PAF 410: Building Leadership Skills (SB)

PRM 145: Special Events Management

PRM 304: Recreation Planning and Facility  
Development (L)

PRM 364: Foundations of Recreation Therapy  
(SB)

PRM 370: Public Lands Management

PRM Elective

SOC 241: Modern Social Problems (SB)

TDM Elective

**Notes:**

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- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
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- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Nonprofit Leadership and Management (American Indian Studies), BS




School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPNLMAIBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AIS 180: Introduction to American Indian Studies (C)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of NLM 160 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 NLM 160: Voluntary Action and Community Leadership (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>• Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC 101: Introductory Sociology (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NLM 220: Introduction to Nonprofit Organizations	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
Interdisciplinary Requirement	3		
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
AIS 285: Federal Indian Policy (H & C)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NLM 300: Fund Raising and Resource Development	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>skills</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
AIS 360: Issues in Urban Indian Country (C)	3	C	
CRD 301: Sustainable Communities	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
NLM 310: Volunteer Management	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NLM 380: Financial Management for Nonprofit Organizations	3	C	<ul style="list-style-type: none"> <li>Successful completion of NLM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>professional online presence</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
AIS 380: Contemporary Issues of American Indian Nations (C)	3	C	
NLM 402: Assessment and Evaluation of Community Services	3	C	
NLM 410: Social Entrepreneurship	3	C	
NLM Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NLM 430: Managing Nonprofit Organizations (L)	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment/internship opportunities</b></li> <li>Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
AIS 370: American Indian Languages and Cultures (C) OR AIS 470: Tribal Governance	3	C	
CRD 403: Leadership and Professional Development	3	C	
NLM Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ NLM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>Successful completion of NLM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion
- Successful completion of NLM 160, CRD 301, NLM 402, or NLM 463 will satisfy the SBL requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	NLM Elective (choose 6 credits)	
CPP Elective	ACC 382: Accounting and Financial Analysis	
	COM 259: Communication in Business and the Professions	
	COM 263: Elements of Intercultural Communication (SB & C & G)	
	CRD Elective	
	CSM 485: Sports Events	
	CSM Elective	
	MGT 380: Management and Strategy for Nonmajors	
	NLM 203: Program Planning	

NLM 320: Professional Development Seminar

NLM 420: Nonprofit Leadership Alliance  
Institute

NLM 435: Service Learning for Community  
Development

NLM 451: Grant Writing

PAF 410: Building Leadership Skills (SB)

PRM 145: Special Events Management

PRM 304: Recreation Planning and Facility  
Development (L)

PRM 364: Foundations of Recreation Therapy  
(SB)

PRM Elective

SOC 241: Modern Social Problems (SB)

TDM Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map



### Parks and Recreation Management, BS




School/College: Watts College of Public Service & Community Solut




Location: Downtown Phoenix campus



PPPRMBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
PRM 203: Program Planning	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> <li>For a career as a Park Ranger, please take Park Ranger/Natural Resource Management electives</li> </ul>
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>• PRM Area Electives - courses may be chosen from one or more PRM Area Electives subgroup.</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
PRM Area Elective	3	C	
Interdisciplinary Requirement	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>skills</b></li> <li>• PRM 304 - offered Fall semester only</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 PRM 304: Recreation Planning and Facility Development (L)	3	C	
PRM 306: Advanced Programming and Facilitation	3	C	
PRM 350: Tourism, Recreation and Sports Marketing	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 302: Inclusive Community Development (SB & C)	3	C	<ul style="list-style-type: none"> <li>• PRM Area Electives - courses may be chosen from one or more PRM Area Electives subgroup.</li> <li>• Successful completion of PRM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>professional online presence</b></li> <li>• PRM 401 - offered Spring semester only</li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 PRM 402: Assessment and Evaluation of Community Services	3	C	
PRM 401: Managing Leisure Enterprises	3	C	
Complete 2 courses: Upper Division PRM Area Elective	6	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>• PRM Related Area Electives - courses may be chosen from one or more PRM Related Area Electives subgroup.</li> <li>• Use Handshake to research <b>employment/internship opportunities</b></li> <li>• Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
PRM 364: Foundations of Recreation Therapy (SB) OR PRM 380: Wilderness and Parks in America (SB & H)	3	C	
Complete 3 courses: PRM Area Elective	9	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of PRM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- PRM Area Electives:
  - In total, six (6) courses must be taken within the PRM Area Electives. One (or more) PRM Area sub-groups may be completed by choosing coursework listed within each area. Courses from the PRM Area group will be used to complete PRM Area.

For the Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PRM 203, CRD 301, PRM 402, or PRM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement - Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	PRM Area Electives: Community Recreation	PRM Area Electives: Special Event Management
CPP Elective	CSM 201: Introduction to Community Sports	CSM 485: Sports Events
	PRM 315: Community Recreation Systems	PRM 145: Special Events Management
	PRM 335: Sports and Recreation for Youth Development	PRM 487: Advanced Special Events Management
	PRM 364: Foundations of Recreation Therapy (SB)	TDM 345: Meeting and Convention Planning



	PRM 455: Recreational Therapy and Play with Children, Youth and Families
	PRM 475: Entrepreneurial Recreation and Tourism
PRM Area Electives: Park Ranger/Natural Resource Management	PRM Area Electives: Other
ABS 384: Natural Resources Measurements	CSM 407: Ethics and Legal Issues in Sports
ABS 430: Watershed Management	CSM 483: Sports Tourism
ABS 479: Ecosystem Management and Planning (L)	NLM 300: Fund Raising and Resource Development
ABS 485: GIS in Natural Resources	NLM 310: Volunteer Management
ASM 104: Bones, Stones, and Human Evolution (SB or SG)	PAF 410: Building Leadership Skills (SB)
BIO 100: The Living World (SQ)	PRM 400: Intervention Techniques in Recreational Therapy
BIO 130: Introduction to Environmental Science (SQ)	PRM 453: Inclusive and Adaptive Sports and Recreation
BIO 324: Environmental Ethics (HU)	PUP 301: Introduction to Urban Planning (L)
BIO 412: Conservation in Practice	TDM 205: Introduction to Travel and Tourism (G)
BIO 434: People and Nature: Ecosystem Services	
ERM 426: Environmental Issues	
ERM 428: International Environmental Management (G)	
GIS 205: Geographic Information Science I (CS)	
GLG 101: Introduction to Geology I (Physical) (SQ)	
GLG 108: Water Planet (SQ)	
GPH 111: Introduction to Physical Geography (SQ)	
PHI 310: Environmental Ethics (HU)	
PRM 340: Outdoor Survival	
PRM 370: Public Lands Management	
PRM 470: Environmental Communication	
SCN 300: Foundations of Environmental Education	
SCN 301: Ecology and Natural History of the Sonoran Desert (SG)	
SOS 412: Conservation in Practice	
TDM 480: Sustainable Tourism	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.





## 2021 - 2022 Major Map





### Parks and Recreation Management (Therapeutic Recreation), BS



School/College: Watts College of Public Service & Community Solut


Location: Downtown Phoenix campus

PPPRMTRBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: SWU 183 (term 3) satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.</li> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		





Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
BIO 160: Introduction to Anatomy and Physiology (SQ)	4		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
BIO 201: Human Anatomy and Physiology I (SG)	4	C	
PRM 203: Program Planning	3		
SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3	C	
Elective	3		

 Complete Mathematics (MA) requirement.



Term hours subtotal: 16

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB)	3	C	<ul style="list-style-type: none"> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> <li>Explore <b>Child Life</b></li> <li>BIO 202 is recommended for students seeking graduate education in health professions</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Elective ( BIO 202 recommended)	4		
Elective	2		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>skills</b></li> <li>PRM 304 - offered Fall semester only</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 PRM 304: Recreation Planning and Facility Development (L)	3	C	
 PRM 364: Foundations of Recreation Therapy (SB)	3	C	
PRM 306: Advanced Programming and Facilitation	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 406: Program Design and Administration in Recreational Therapy	3	C	<ul style="list-style-type: none"> <li>Develop your <b>professional online presence</b></li> <li>PRM 400, PRM 406 and PRM 450 - offered Spring semester only</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
CRD 302: Inclusive Community Development (SB & C)	3	C	
PRM 350: Tourism, Recreation and Sports Marketing	3	C	
PRM 400: Intervention Techniques in Recreational Therapy	3	C	
PRM 450: Therapeutic Recreation and Community Health	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 402: Assessment and Evaluation of Community Services	3	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Research <b>employment</b> and <b>internship opportunities</b></li> <li>PRM 460 - offered Fall semester only</li> <li>Explore <b>Handshake Resources</b> to complete your 200 career field exploration hours</li> </ul>
PRM 413: Leadership and Professional Development in Recreation Therapy	3	C	
PRM 460: Assessment and Documentation in Recreational Therapy	3	C	
Complete 2 courses:			
PRM-Therapeutic Recreation Elective	6	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of PRM 203, CRD 301, PRM 402, or PRM 463 will satisfy the SBL Requirement.

For the Interdisciplinary Requirement:

- SWU 183 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
- Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.

Hide Course List(s)/Track Group(s)

Public Service Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	CPP Elective
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	
CRJ 260: Substantive Criminal Law		
CRJ 270: Community Justice (SB)		
CRJ 305: Gender, Crime, and Criminal Justice (C)		
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		
PRM-Therapeutic Recreation Electives (Choose two courses)		
CRD 471: Interprofessional Education and Community Health		
CRD 472: Interprofessional Education and Complex Health		
CRD 473: Interprofessional Education and Comprehensive Systems Health		
NLM 300: Fund Raising and Resource Development		
NLM 310: Volunteer Management		
NLM 451: Grant Writing		

PRM 335: Sports and Recreation for Youth Development

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PRM 380: Wilderness and Parks in America (SB & H)

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PRM 384: Recreational Therapy Practicum

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PRM 440: Advocacy in Therapeutic Recreation

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PRM 453: Inclusive and Adaptive Sports and Recreation

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PRM 455: Recreational Therapy and Play with Children, Youth and Families

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PRM 494: Special Topics

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**Notes:**

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- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

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**Major GPA:** 2.00 minimum

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**Total hrs at ASU:** 30 minimum

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**Academic Recognition:** 56 minimum

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- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map



### Public Service and Public Policy, BS



School/College: Watts College of Public Service & Community Solut




Location: Downtown Phoenix campus




PPPAFBS



Term 1 0 - 16 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Cultural Diversity in the U.S. (C)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
<i>Complete 2 courses:</i>			
Elective	6		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	• Explore an <b>internship</b>
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	• Develop your <b>professional online presence</b>
PAF 301: Applied Statistics (CS)	3	C	
PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual <b>practice interview</b>
PAF 302: Public Service Research Methods	3	C	
PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries	3		
Elective	6		
Term hours subtotal:	15		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
 PAF 484: Internship	3	Y	
PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	• Successful completion of the college's Solution-Based Learning (SBL) requirement is expected of each student by degree completion.
Upper Division Public Leadership & Management Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		



- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	CRD 471: Interprofessional Education and Community Health	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	CRD 472: Interprofessional Education and Complex Health	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	CRD 473: Interprofessional Education and Comprehensive Systems Health	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	CSM 201: Introduction to Community Sports	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	NLM 220: Introduction to Nonprofit Organizations	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)	PRM 120: Leisure and the Quality of Life (SB)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	PRM 380: Wilderness and Parks in America (SB & H)	SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)	TDM 205: Introduction to Travel and Tourism (G)	SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)	TDM 458: International Tourism (G)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Upper Division Public Leadership and Management Elective	Solution-Based Learning (SBL) Requirement
CPP Elective	COM Upper Division Elective	CPP 350: Community Works
	HST Upper Division Elective	CPP 353: Community Impact Lab
	MGT Upper Division Elective	CRD 301: Sustainable Communities
	NLM Upper Division Elective	CRD 435: Service Learning for Community Development
	POS Upper Division Elective	CRD 471: Interprofessional Education and Community Health
	PSY Upper Division Elective	CRD 472: Interprofessional Education and Complex Health

CRD 473: Interprofessional Education and Comprehensive Systems Health

CRJ 317: Inside-Out Prison Exchange Program

CRJ 394: Comparative Organized Crime

CRJ 394: The British Roots of U.S. Criminal Justice

CRJ 455: Police and International Terrorism

CRJ 456: Etiology of Martyrdom

NLM 160: Voluntary Action and Community Leadership (SB)

NLM 435: Service Learning for Community Development

PAF 484: Internship

PRM 145: Special Events Management

PRM 203: Program Planning

PRM 315: Community Recreation Systems

PRM 370: Public Lands Management

SWU 291: Social Service Delivery Systems

SWU 394: Ending Homelessness

TDM 345: Meeting and Convention Planning

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Public Service and Public Policy, BS

School/College: [Watts College of Public Service & Community Solut](#)



Location: [Online, ASU Local@Los Angeles](#)



PPPAFBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
Interdisciplinary Requirement	3		<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups</li> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four</li> </ul>
Interdisciplinary Requirement	3		

Term hours subtotal: 6

Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups

Term 3 - B 31 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 216: Persuasive Writing on Public Issues (L)	3	C	• Develop your <i>skills</i> .
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		



Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
Term hours subtotal:	6		

Term 4 - B 44 - 50 Credit Hours	Hours	Minimum Grade	Notes
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - A 50 - 57 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	• Explore an <i>internship</i> .
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 301: Applied Statistics (CS)	3	C	
PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries	3	C	
Term hours subtotal:	6		

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term hours subtotal: 6

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 302: Public Service Research Methods	3	C	<ul style="list-style-type: none"> <li>Develop your professional online presence.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Solution-Based Learning (SBL) Requirement	3		<ul style="list-style-type: none"> <li>The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview.</li> </ul>
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	
PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries	3	C	
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Public Leadership & Management Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	
Term hours subtotal:	3		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Choose one class from the SBL course list.
- Students must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	CSM 201: Introduction to Community Sports	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PRM 120: Leisure and the Quality of Life (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PRM 364: Foundations of Recreation Therapy (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PRM 380: Wilderness and Parks in America (SB & H)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	TDM 205: Introduction to Travel and Tourism (G)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	TDM 458: International Tourism (G)	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 460: Legal Issues in Social Work
CRJ 309: Criminology (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
CRJ 350: Law and Social Control (SB)		
Interdisciplinary Requirement-Area 4	Upper Division Public Leadership & Management Elective	Solution-Based Learning (SBL) Requirement
CPP Elective	COM Upper Division Elective	CPP 350: Community Works
	HST Upper Division Elective	CPP 353: Community Impact Lab
	MGT Upper Division Elective	CRD 435: Service Learning for Community Development
	NLM Upper Division Elective	CRJ 394: Comparative Organized Crime
	POS Upper Division Elective	CRJ 394: The British Roots of U.S. Criminal Justice
	PSY Upper Division Elective	CRJ 455: Police and International Terrorism
		CRJ 456: Etiology of Martyrdom
		PAF 484: Internship

PRM 145: Special Events Management

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PRM 203: Program Planning

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SWU 291: Social Service Delivery Systems

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SWU 394: Ending Homelessness

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TDM 345: Meeting and Convention Planning

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map



### Public Service and Public Policy (American Indian Studies), BS



School/College: [Watts College of Public Service & Community Solut](#)




Location: [Downtown Phoenix campus](#)




PPPAFAISBS



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
AIS 180: Introduction to American Indian Studies (C)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	• Explore an <b>internship</b>
AIS 280: American Indian Sovereignty and the Courts (H & C)	3	C	
AIS 285: Federal Indian Policy (H & C)	3	C	
COM 225: Public Speaking (L)	3	C	
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	• Develop your <b>professional online presence</b>
PAF 301: Applied Statistics (CS)	3	C	
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual <b>practice interview</b>
AIS Upper Division Elective ( AIS 470 recommended)	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
 PAF 484: Internship	3	Y	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	CRD 471: Interprofessional Education and Community Health	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	CRD 472: Interprofessional Education and Complex Health	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	CRD 473: Interprofessional Education and Comprehensive Systems Health	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	CSM 201: Introduction to Community Sports	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	NLM 220: Introduction to Nonprofit Organizations	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)	PRM 120: Leisure and the Quality of Life (SB)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	PRM 380: Wilderness and Parks in America (SB & H)	SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)	TDM 205: Introduction to Travel and Tourism (G)	SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)	TDM 458: International Tourism (G)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4		
CPP Elective		

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map



### Public Service and Public Policy (Business), BS



School/College: [Watts College of Public Service & Community Solut](#)




Location: [Downtown Phoenix campus](#)

PPPAFBUBS


Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
<i>Complete 2 courses:</i>			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Must have minimum 2.00 ASU Cumulative GPA for MGT 380 in Term 5</li> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Must have minimum 2.00 ASU Cumulative GPA for ACC 382 and FIN 380 in Term 6</li> <li>• Develop your <b>professional online presence</b></li> </ul>
MGT 380: Management and Strategy for Nonmajors	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>• Must have minimum 2.00 Cumulative GPA for MKT 390 or MKT 395 in Term 7</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
ACC 382: Accounting and Financial Analysis	3	C	
FIN 380: Personal Financial Management	3	C	
PAF 302: Public Service Research Methods	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
 PAF 484: Internship	3	Y	
MKT 390: Essentials of Marketing OR MKT 395: Essentials of Advertising and Marketing Communication	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 2 courses:			
Upper Division Elective	6		
Elective	3		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	CRD 471: Interprofessional Education and Community Health	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	CRD 472: Interprofessional Education and Complex Health	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	CRD 473: Interprofessional Education and Comprehensive Systems Health	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	CSM 201: Introduction to Community Sports	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	NLM 220: Introduction to Nonprofit Organizations	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)	PRM 120: Leisure and the Quality of Life (SB)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	PRM 380: Wilderness and Parks in America (SB & H)	SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)	TDM 205: Introduction to Travel and Tourism (G)	SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)	TDM 458: International Tourism (G)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4		
CPP Elective		

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map



### Public Service and Public Policy (Criminology), BS



School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus




PPPAFCBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• CRJ 100 satisfies part of the college's interdisciplinary requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• ASU 101 is for ASU first-year students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Complete 2 courses: Elective	6		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">skills</a></li> </ul>
CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Students can choose one course from any of the three Interdisciplinary areas/track groups.</li> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	
Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
PAF 301: Applied Statistics (CS)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
PAF 302: Public Service Research Methods	3	C	
CRJ Upper Division Elective	3	C	
Upper Division Elective	3		
Elective	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
 PAF 484: Internship	3	Y	
CRJ Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:

- CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
- Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
CRD 471: Interprofessional Education and Community Health	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
CRD 472: Interprofessional Education and Complex Health	SWU 181: Economics: A Social Issues Perspective	
CRD 473: Interprofessional Education and Comprehensive Systems Health	SWU 182: Social Services Perspective of Government (SB)	
CSM 201: Introduction to Community Sports	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
NLM 160: Voluntary Action and Community Leadership (SB)	SWU 250: Stress Management Tools I (SB)	
NLM 220: Introduction to Nonprofit Organizations	SWU 349: Stress Management Tools II (SB)	
PRM 120: Leisure and the Quality of Life (SB)	SWU 456: Immigrants and Refugees (C)	
PRM 364: Foundations of Recreation Therapy (SB)	SWU 458: Behavioral Health Services	
PRM 380: Wilderness and Parks in America (SB & H)	SWU 459: Spirituality and the Helping Professions	
TDM 205: Introduction to Travel and Tourism (G)	SWU 460: Legal Issues in Social Work	
TDM 458: International Tourism (G)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map



### Public Service and Public Policy (Emergency Management and Homeland Security), BS

School/College: [Watts College of Public Service & Community Solut](#)

Location: [Downtown Phoenix campus](#)

PPPAFEHBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> </ul>	
 SOC 101: Introductory Sociology (SB)	3	C		
ASU 101-CPP: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
Cultural Diversity in the U.S. (C)	3			
Elective	3			
Milestone: Meet with an academic advisor				
Term hours subtotal:	16			
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade		Notes
 POS 110: American Government and Politics (SB)	3	C		<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 142: College Mathematics (MA)	3	C		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3			
Natural Science - Quantitative (SQ)	4			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes	
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Develop your <a href="#">skills</a></li> </ul>	
ENG 216: Persuasive Writing on Public Issues (L)	3	C		
Interdisciplinary Requirement	3			
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4			
Elective	3			
 Complete Mathematics (MA) requirement.				
Term hours subtotal:	16			

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Explore an <b>internship</b></li> </ul>
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
PAF 301: Applied Statistics (CS)	3	C	
PAF 360: Emergency Management I	3	C	
PAF 361: Hazards and Risk Management	3	C	
PAF 461: Homeland Security	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 302: Public Service Research Methods	3	C	<ul style="list-style-type: none"> <li>• For concentration courses, students must select three courses from the concentration area.</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
 PAF 340: Contemporary Policy Challenges	3	C	
PAF 363: Technology in Emergency Management	3	C	
Complete 2 courses:			
Upper Division Emergency Management & Homeland Security Concentration Course	6	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
 PAF 484: Internship	3	Y	
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 3 courses:			
Elective	9		
Term hours subtotal:	12		

- For Emergency Management & Homeland Security Concentration courses, students must select three courses from the concentration area.
- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution Based Learning (SBL) College Requirement:
  - PAF 484 satisfies the SBL requirement.
  - Student must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	CRD 471: Interprofessional Education and Community Health	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	CRD 472: Interprofessional Education and Complex Health	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	CRD 473: Interprofessional Education and Comprehensive Systems Health	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	CSM 201: Introduction to Community Sports	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	NLM 220: Introduction to Nonprofit Organizations	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)	PRM 120: Leisure and the Quality of Life (SB)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	PRM 380: Wilderness and Parks in America (SB & H)	SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)	TDM 205: Introduction to Travel and Tourism (G)	SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Emergency Management & Homeland Security Concentration	
CPP Elective	CRJ 403: Victims and the Criminal Justice System	
	CRJ 409: Police Accountability	
	CRJ 412: International Terrorism	
	CRJ 417: Cyber Terrorism	
	CRJ 419: Domestic Terrorism	
	CRJ 422: Violence in America	
	PAF 424: Emergency Management II	
	PAF 425: National Incident Management System (NIMS)	

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Public Service and Public Policy (Emergency Management and Homeland Security), BS

School/College: [Watts College of Public Service & Community Solut](#)

Location: [Online, ASU Local@Los Angeles](#)

PPPAFEHBS

Term 1 - A 0 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	6		
Term 2 - B 19 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 25 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
Elective	3		
Term hours subtotal:	6		
Term 3 - B 31 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

ENG 216: Persuasive Writing on Public Issues (L)	3	C
Natural Science - Quantitative (SQ)	4	
🚩 Complete Mathematics (MA) requirement.		
Term hours subtotal:	7	

- Develop your **skills**.

Term 4 - A 38 - 44 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
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🚩 COM 225: Public Speaking (L)	3	C
Interdisciplinary Requirement	3	
Term hours subtotal:	6	

- For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.

Term 4 - B 44 - 51 Credit Hours	Hours	Minimum Grade	Notes
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Interdisciplinary Requirement	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Term hours subtotal:	7	

- For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ PAF 311: Leadership and Change (SB)	3	C
⭐ PAF 360: Emergency Management I	3	C
Term hours subtotal:	6	

- Explore an **internship**.

Term 5 - B 57 - 63 Credit Hours	Hours	Minimum Grade	Notes
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Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
Elective	3	
Term hours subtotal:	6	

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ PAF 361: Hazards and Risk Management	3	C
PAF 301: Applied Statistics (CS)	3	C
Term hours subtotal:	6	

Term 6 - B 69 - 75 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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PAF 302: Public Service Research Methods	3	C
PAF 363: Technology in Emergency Management	3	C
⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Term hours subtotal:	6	

Term 7 - A 75 - 81 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
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⭐ PAF 461: Homeland Security	3	C
Elective	3	
Term hours subtotal:	6	

- Develop your **professional online presence**.

Term 7 - B 81 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	<ul style="list-style-type: none"> <li>The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits.</li> </ul>
Solution-Based Learning (SBL) Requirement	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>Complete an in person or virtual practice interview.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 10 - A 111 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - B 117 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Term hours subtotal:	3		

- For Emergency Management & Homeland Security Concentration courses, students must select three courses from the concentration area.
  - For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.
  - For the Solution Based Learning (SBL) College Requirement:
    - Choose one class from the SBL course list.

o Student must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	CSM 201: Introduction to Community Sports	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PRM 120: Leisure and the Quality of Life (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PRM 364: Foundations of Recreation Therapy (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PRM 380: Wilderness and Parks in America (SB & H)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	TDM 205: Introduction to Travel and Tourism (G)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	TDM 458: International Tourism (G)	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 460: Legal Issues in Social Work
CRJ 309: Criminology (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
CRJ 350: Law and Social Control (SB)		
Interdisciplinary Requirement-Area 4	Solution-Based Learning (SBL) Requirement	Emergency Management & Homeland Security Concentration
CPP Elective	CPP 350: Community Works	CRJ 403: Victims and the Criminal Justice System
	CPP 353: Community Impact Lab	CRJ 409: Police Accountability
	CRD 435: Service Learning for Community Development	CRJ 412: International Terrorism
	CRJ 394: Comparative Organized Crime	CRJ 417: Cyber Terrorism
	CRJ 394: The British Roots of U.S. Criminal Justice	CRJ 419: Domestic Terrorism
	CRJ 455: Police and International Terrorism	CRJ 422: Violence in America
	CRJ 456: Etiology of Martyrdom	PAF 424: Emergency Management II
	PAF 484: Internship	PAF 425: National Incident Management System (NIMS)
	PRM 145: Special Events Management	PAF 468: Planning and Exercises
	PRM 203: Program Planning	PAF 469: Terrorism Defense
	SWU 291: Social Service Delivery Systems	
	SWU 394: Ending Homelessness	
	TDM 345: Meeting and Convention Planning	

**Notes:**

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map



### Public Service and Public Policy (Health Policy), BS

School/College: [Watts College of Public Service & Community Solut](#)

Location: [Downtown Phoenix campus](#)

PPPAFHPBS



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>	6		
Interdisciplinary Requirement			
Cultural Diversity in the U.S. (C)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	• Explore an <b>internship</b>
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	• Develop your <b>professional online presence</b>
HSC 210: Cultural Aspects of Health (C)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual <b>practice interview</b>
PAF 302: Public Service Research Methods	3	C	
Upper Division Health Policy Concentration Elective	6	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
 PAF 484: Internship	3	Y	
Upper Division Health Policy Concentration Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	CRD 471: Interprofessional Education and Community Health	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	CRD 472: Interprofessional Education and Complex Health	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	CRD 473: Interprofessional Education and Comprehensive Systems Health	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	CSM 201: Introduction to Community Sports	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	NLM 220: Introduction to Nonprofit Organizations	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)	PRM 120: Leisure and the Quality of Life (SB)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	PRM 380: Wilderness and Parks in America (SB & H)	SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)	TDM 205: Introduction to Travel and Tourism (G)	SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)	TDM 458: International Tourism (G)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Upper Division Health Policy Concentration Electives	
CPP Elective	ASB 301: Global History of Health (SB & G & H)	
	HSC 300: Complementary Health Care	
	HSC 310: Health Communication	
	HSC 410: Supporting the Health of Older Adults	
	HSC 412: Health Issues in Later Life	
	HSC 432: Legal Issues in Health Care	
	SOC 424: Women and Health (SB)	
	SOC 427: Sociology of Health and Illness (SB)	
	SOS 414: Urban and Environmental Health (SB)	



TCL 327: Health and Migration (SB)

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**Notes:**

- - **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Public Service and Public Policy (Law and Policy), BS



School/College: [Watts College of Public Service & Community Solut](#)

Location: [Downtown Phoenix campus](#)

PPPAFLPBS


Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• CRJ 100 satisfies part of the college's interdisciplinary requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Complete 2 courses:	6		
Elective			
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Develop your <a href="#">skills</a></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	• Explore an <b>internship</b>
COM 225: Public Speaking (L)	3	C	
CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	
LAW 210: Introduction to American Legal System and Business Law	3	C	
Cultural Diversity in the U.S. (C) ( PAF 240 recommended)	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	• For the Interdisciplinary Requirement: CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups. • Develop your <b>professional online presence</b>
PAF 301: Applied Statistics (CS)	3	C	
Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual <b>practice interview</b>
CRJ 350: Law and Social Control (SB) OR CRJ 410: Criminal Procedure: The Law of Investigations OR CRJ 470: Discretionary Justice (L or SB) OR LAW Upper Division Elective	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
 PAF 484: Internship	3	Y	
Complete 2 courses: CRJ 350: Law and Social Control (SB) OR CRJ 410: Criminal Procedure: The Law of Investigations OR CRJ 470: Discretionary Justice (L or SB) OR LAW Upper Division Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3	Interdisciplinary Requirement-Area 4
CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
CRD 471: Interprofessional Education and Community Health	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
CRD 472: Interprofessional Education and Complex Health	SWU 181: Economics: A Social Issues Perspective	
CRD 473: Interprofessional Education and Comprehensive Systems Health	SWU 182: Social Services Perspective of Government (SB)	
CSM 201: Introduction to Community Sports	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
NLM 160: Voluntary Action and Community Leadership (SB)	SWU 250: Stress Management Tools I (SB)	
NLM 220: Introduction to Nonprofit Organizations	SWU 349: Stress Management Tools II (SB)	
PRM 120: Leisure and the Quality of Life (SB)	SWU 456: Immigrants and Refugees (C)	
PRM 364: Foundations of Recreation Therapy (SB)	SWU 458: Behavioral Health Services	
PRM 380: Wilderness and Parks in America (SB & H)	SWU 459: Spirituality and the Helping Professions	
TDM 205: Introduction to Travel and Tourism (G)	SWU 460: Legal Issues in Social Work	
TDM 458: International Tourism (G)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map



### Public Service and Public Policy (Nonprofit Leadership and Management), BS

School/College: Watts College of Public Service & Community Solut




Location: Downtown Phoenix campus

PPPANLMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>NLM 160 satisfies part of the college's interdisciplinary requirement.</li> <li>Successful completion of NLM 160 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> </ul>	
ASU 101-CPP: The ASU Experience	1			
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
NLM 160: Voluntary Action and Community Leadership (SB)	3	C		
Cultural Diversity in the U.S. (C)	3			
Elective	3			
Milestone: Meet with an academic advisor				
Term hours subtotal:	16			
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade		Notes
 POS 110: American Government and Politics (SB)	3	C		<ul style="list-style-type: none"> <li>Build your professional connections --- join the ASU Mentor Network</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
MAT 142: College Mathematics (MA)	3	C		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3			
Natural Science - Quantitative (SQ)	4			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:	16			
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes	
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>Develop your skills</li> </ul>	
ENG 216: Persuasive Writing on Public Issues (L)	3	C		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4			
Complete 2 courses: Elective	6			
 Complete Mathematics (MA) requirement.				
Term hours subtotal:	16			

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: NLM 160 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.</li> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	
Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
CRD 210: Community Services and Professions	3	C	
NLM 220: Introduction to Nonprofit Organizations	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
NLM 300: Fund Raising and Resource Development	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
 PAF 484: Internship	3	Y	
NLM 430: Managing Nonprofit Organizations (L) OR NLM 310: Volunteer Management OR NLM 410: Social Entrepreneurship	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - NLM 160 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of NLM 160 or PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
CRJ 201: Criminal Justice Crime Control Policies and Practices	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
CRJ 203: Courts and Sentencing	SWU 181: Economics: A Social Issues Perspective	
CRJ 204: Juvenile Justice	SWU 182: Social Services Perspective of Government (SB)	
CRJ 230: Introduction to Policing	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
CRJ 240: Introduction to Corrections	SWU 250: Stress Management Tools I (SB)	
CRJ 260: Substantive Criminal Law	SWU 349: Stress Management Tools II (SB)	
CRJ 270: Community Justice (SB)	SWU 456: Immigrants and Refugees (C)	
CRJ 305: Gender, Crime, and Criminal Justice (C)	SWU 458: Behavioral Health Services	
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	SWU 459: Spirituality and the Helping Professions	
CRJ 309: Criminology (SB)	SWU 460: Legal Issues in Social Work	
CRJ 350: Law and Social Control (SB)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)



**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map



### Public Service and Public Policy (Parks and Recreation Management), BS



School/College: Watts College of Public Service & Community Solut




Location: Downtown Phoenix campus


PPPAPRMBS


Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• PRM 120 satisfies part of the college's interdisciplinary requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• ASU 101 is for ASU first-year students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PRM 120: Leisure and the Quality of Life (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <b>ASU Mentor Network</b></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• For the Interdisciplinary Requirement: PRM 120 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.</li> <li>• Develop your <b>skills</b></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Interdisciplinary Requirement	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>professional online presence</b></li> </ul>
PAF 301: Applied Statistics (CS)	3	C	
PRM 203: Program Planning	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
PAF 302: Public Service Research Methods	3	C	
PRM 145: Special Events Management OR PRM 315: Community Recreation Systems OR PRM 370: Public Lands Management OR PRM 380: Wilderness and Parks in America (SB & H)	3	C	
Complete 2 courses: Upper Division Elective	6		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
 PAF 484: Internship	3	Y	
PRM 145: Special Events Management OR PRM 315: Community Recreation Systems OR PRM 370: Public Lands Management OR PRM 380: Wilderness and Parks in America (SB & H)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - PRM 120 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PRM 203 or PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
CRJ 201: Criminal Justice Crime Control Policies and Practices	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
CRJ 203: Courts and Sentencing	SWU 181: Economics: A Social Issues Perspective	
CRJ 204: Juvenile Justice	SWU 182: Social Services Perspective of Government (SB)	
CRJ 230: Introduction to Policing	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
CRJ 240: Introduction to Corrections	SWU 250: Stress Management Tools I (SB)	
CRJ 260: Substantive Criminal Law	SWU 349: Stress Management Tools II (SB)	
CRJ 270: Community Justice (SB)	SWU 456: Immigrants and Refugees (C)	
CRJ 305: Gender, Crime, and Criminal Justice (C)	SWU 458: Behavioral Health Services	
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	SWU 459: Spirituality and the Helping Professions	
CRJ 309: Criminology (SB)	SWU 460: Legal Issues in Social Work	
CRJ 350: Law and Social Control (SB)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map



### Public Service and Public Policy (Science and Technology Policy), BS

School/College: [Watts College of Public Service & Community Solut](#)




Location: [Downtown Phoenix campus](#)

PPPAFSTBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
<i>Complete 2 courses:</i>			
Interdisciplinary Requirement	6		
Cultural Diversity in the U.S. (C)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	• Explore an <b>internship</b>
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	• Develop your <b>professional online presence</b>
PAF 301: Applied Statistics (CS)	3	C	
Upper Division Science & Technology Concentration Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual <b>practice interview</b>
PAF 302: Public Service Research Methods	3	C	
Complete 2 courses: Upper Division Science & Technology Concentration Course	6	C	
Elective	3		
Term hours subtotal:	15		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Term 7 93 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
 PAF 484: Internship	3	Y	
Upper Division Science & Technology Concentration Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.

- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	CRD 471: Interprofessional Education and Community Health	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	CRD 472: Interprofessional Education and Complex Health	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	CRD 473: Interprofessional Education and Comprehensive Systems Health	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	CSM 201: Introduction to Community Sports	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	NLM 220: Introduction to Nonprofit Organizations	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)	PRM 120: Leisure and the Quality of Life (SB)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	PRM 380: Wilderness and Parks in America (SB & H)	SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)	TDM 205: Introduction to Travel and Tourism (G)	SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)	TDM 458: International Tourism (G)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Upper Division Science & Technology Concentration Courses	
CPP Elective	BIO 312: Bioethics (HU)	
	FIS 336: Science and Technology Policy	
	GPH 314: Global Change (HU & G)	
	HON 494: Law, Science, and Technology	
	JUS 334: Science, Technology and Inequality (C)	
	PAF 350: Introduction to Science & Technology Policy	
	POS 300: Contemporary Global Controversies (SB & G)	
	POS 364: National Security, Intelligence, and Terrorism (SB)	



POS 394: Global Environmental Politics

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STS 325: Science, Technology, and Public Policy (SB)

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WST 340: Gender, Science, and Technology (SB)

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map



### Public Service and Public Policy (Social Services Delivery), BS



School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus




PPPAFSSBS



Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>• SWU 171 satisfies part of the college's interdisciplinary requirement.</li> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• ASU 101 is for ASU first-year students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHI 101: Introduction to Philosophy (HU)	3	C	
SWU 171: Introduction to Social Work (SB & H)	3	C	
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>• Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <a href="#">skills</a></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
SWU 291: Social Service Delivery Systems	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	<ul style="list-style-type: none"> <li>• Students can choose one course from any of the three Interdisciplinary areas/track groups.</li> <li>• Explore an <b>internship</b></li> </ul>
COM 225: Public Speaking (L)	3	C	
SWU 295: Foundations of Social Work Practice (SB & C)	3	C	
Interdisciplinary Requirement	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> </ul>
PAF 301: Applied Statistics (CS)	3	C	
SWU 306: Ethics in Social Services (L)	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
PAF 302: Public Service Research Methods	3	C	
SWU 311: Integrative Social Work Practice	3	C	
SWU 312: Integrative Social Work Practice Skills	3	C	
Elective	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
 PAF 484: Internship	3	Y	
SWU 303: Micro Human Behavior and the Social Environment (L or SB)	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Complete 2 courses:	6		
Upper Division Elective			
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - SWU 171 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291 or PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	CPP Elective
CRJ 201: Criminal Justice Crime Control Policies and Practices	CRD 471: Interprofessional Education and Community Health	
CRJ 203: Courts and Sentencing	CRD 472: Interprofessional Education and Complex Health	
CRJ 204: Juvenile Justice	CRD 473: Interprofessional Education and Comprehensive Systems Health	
CRJ 230: Introduction to Policing	CSM 201: Introduction to Community Sports	
CRJ 240: Introduction to Corrections	NLM 160: Voluntary Action and Community Leadership (SB)	
CRJ 260: Substantive Criminal Law	NLM 220: Introduction to Nonprofit Organizations	
CRJ 270: Community Justice (SB)	PRM 120: Leisure and the Quality of Life (SB)	
CRJ 305: Gender, Crime, and Criminal Justice (C)	PRM 364: Foundations of Recreation Therapy (SB)	
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	PRM 380: Wilderness and Parks in America (SB & H)	
CRJ 309: Criminology (SB)	TDM 205: Introduction to Travel and Tourism (G)	
CRJ 350: Law and Social Control (SB)	TDM 458: International Tourism (G)	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map



### Public Service and Public Policy (Sustainability), BS



School/College: Watts College of Public Service & Community Solut




Location: Downtown Phoenix campus

PPPAFSBS



Term 1 0 - 16 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SOC 101: Introductory Sociology (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU freshman students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
SOS 110: Sustainable World (SB)	3	C	
Complete 2 courses:	6		
Interdisciplinary Requirement			
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ POS 110: American Government and Politics (SB)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
Natural Science - Quantitative (SQ)	4		
⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ PAF 200: Public Service and Policy in the 21st Century	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a></li> </ul>
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	• Explore an <b>internship</b>
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	• Develop your <b>professional online presence</b>
PAF 301: Applied Statistics (CS)	3	C	
Complete 3 courses:	9		
Elective			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	• Complete an in person or virtual <b>practice interview</b>
PAF 302: Public Service Research Methods	3	C	
Complete 2 courses:	6	C	
Upper Division Sustainability Concentration Elective			
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
 PAF 484: Internship	3	Y	
Upper Division Sustainability Concentration Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Complete 3 courses:	9		
Upper Division Elective			
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	SWU 171: Introduction to Social Work (SB & H)	CRD 302: Inclusive Community Development (SB & C)
CRJ 201: Criminal Justice Crime Control Policies and Practices	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	CRD 471: Interprofessional Education and Community Health
CRJ 203: Courts and Sentencing	SWU 181: Economics: A Social Issues Perspective	CRD 472: Interprofessional Education and Complex Health
CRJ 204: Juvenile Justice	SWU 182: Social Services Perspective of Government (SB)	CRD 473: Interprofessional Education and Comprehensive Systems Health
CRJ 230: Introduction to Policing	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	CSM 201: Introduction to Community Sports
CRJ 240: Introduction to Corrections	SWU 250: Stress Management Tools I (SB)	NLM 160: Voluntary Action and Community Leadership (SB)
CRJ 260: Substantive Criminal Law	SWU 349: Stress Management Tools II (SB)	NLM 220: Introduction to Nonprofit Organizations
CRJ 270: Community Justice (SB)	SWU 456: Immigrants and Refugees (C)	PRM 120: Leisure and the Quality of Life (SB)
CRJ 305: Gender, Crime, and Criminal Justice (C)	SWU 458: Behavioral Health Services	PRM 364: Foundations of Recreation Therapy (SB)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	SWU 459: Spirituality and the Helping Professions	PRM 380: Wilderness and Parks in America (SB & H)
CRJ 309: Criminology (SB)	SWU 460: Legal Issues in Social Work	TDM 205: Introduction to Travel and Tourism (G)
CRJ 350: Law and Social Control (SB)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	TDM 458: International Tourism (G)
Interdisciplinary Requirement-Area 4	Sustainability Concentration Electives	
CPP Elective	SOS 320: Society and Sustainability (L or SB)	
	SOS 321: Policy and Governance in Sustainable Systems	
	SOS 322: International Development and Sustainability	
	SOS 323: Sustainable Urban Dynamics	
	SOS 324: Sustainable Energy Technology and Systems	
	SOS 325: The Economics of Sustainability	
	SOS 326: Sustainable Ecosystems	
	SOS 327: Sustainable Food and Farms	

**Notes:**

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map


### Recreation Therapy, BS

School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus




PPRECTBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: SWU 183 (term 3) satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement, Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.</li> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
PSY 101: Introduction to Psychology (SB)	3	C	
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		
Term 2 16 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
BIO 160: Introduction to Anatomy and Physiology (SQ)	4		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	2		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
BIO 201: Human Anatomy and Physiology I (SG)	4	C	
PRM 203: Program Planning	3		
SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		

 Complete Mathematics (MA) requirement.



Term hours subtotal: 16

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB)	3	C	<ul style="list-style-type: none"> <li>Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> <li>Explore <b>Child Life</b></li> <li>BIO 202 is recommended for students seeking graduate education in health professions</li> </ul>
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Elective ( BIO 202 recommended)	4		
Elective	2		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>PRM 304 - offered Fall semester only</li> <li>Develop your <b>skills</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 PRM 304: Recreation Planning and Facility Development (L)	3	C	
EXW 330: Kinesiological Foundations of Movement	4		
PRM 306: Advanced Programming and Facilitation	3	C	
PRM 364: Foundations of Recreation Therapy (SB)	3	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 402: Assessment and Evaluation of Community Services	3	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>professional online presence</b></li> <li>PRM 400, PRM 406 and PRM 450 - offered Spring semester only</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 PRM 406: Program Design and Administration in Recreational Therapy	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
PRM 400: Intervention Techniques in Recreational Therapy	3	C	
PRM 450: Therapeutic Recreation and Community Health	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 384: Recreational Therapy Practicum	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment/internship opportunities</b></li> <li>PRM 460 - offered Fall semester only</li> <li>Explore <b>Handshake Resources</b> to complete your 200 career field exploration hours</li> </ul>
PRM 413: Leadership and Professional Development in Recreation Therapy	3	C	
PRM 460: Assessment and Documentation in Recreational Therapy	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
PRM-Therapeutic Recreation Elective	3	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of PRM 203, CRD 301, PRM 402, or PRM 463 will satisfy the SBL Requirement.

For the Interdisciplinary Requirement:

- SWU 183 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
- Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.

Hide Course List(s)/Track Group(s)

Public Service Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	CPP Elective
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	
CRJ 260: Substantive Criminal Law		
CRJ 270: Community Justice (SB)		
CRJ 305: Gender, Crime, and Criminal Justice (C)		
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		
PRM-Therapeutic Recreation Elective (Choose one course)		
CRD 471: Interprofessional Education and Community Health		
CRD 472: Interprofessional Education and Complex Health		
CRD 473: Interprofessional Education and Comprehensive Systems Health		
NLM 300: Fund Raising and Resource Development		
NLM 310: Volunteer Management		
NLM 451: Grant Writing		

PRM 335: Sports and Recreation for Youth Development

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PRM 350: Tourism, Recreation and Sports Marketing

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PRM 380: Wilderness and Parks in America (SB & H)

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PRM 440: Advocacy in Therapeutic Recreation

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PRM 453: Inclusive and Adaptive Sports and Recreation

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PRM 455: Recreational Therapy and Play with Children, Youth and Families

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Social Work, BSW



School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus, West campus, ASU@Tucson

PPSWUSWU

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SWU 171: Introduction to Social Work (SB & H)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
 PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 16 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU) OR PHI 105: Intro to Ethics (HU) OR SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	3		<ul style="list-style-type: none"> <li>Cultural Diversity Sequence - any course at ASU that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.</li> <li>ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>By the end of term four, students should have completed the following requirements:               <ol style="list-style-type: none"> <li>ECN 211 or SWU 181</li> <li>PHI 101 or PHI 105 or SWU 183</li> <li>POS 110 or SWU 182</li> </ol> </li> <li>Join a <b>student club</b> or professional organization.</li> </ul>
ECN 211: Macroeconomic Principles (SB) OR SWU 181: Economics: A Social Issues Perspective	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity Sequence OR Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4-3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17-16		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: American Government and Politics (SB) OR SWU 182: Social Services Perspective of Government (SB)	3		<ul style="list-style-type: none"> <li>Cultural Diversity Sequence - any course at ASU that carries the "C - Cultural Diversity</li> </ul>

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Cultural Diversity Sequence OR Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4-3
Elective	3-4
📌 Complete Mathematics (MA) requirement.	
Term hours subtotal:	14

- in the United States" General Studies designation, will satisfy this requirement.
- By the end of term four, students should have completed the following requirements:
    1. ECN 211 or SWU 181
    2. PHI 101 or PHI 105 or SWU 183
    3. POS 110 or SWU 182
  - Develop your **skills**.

Term 4 47 - 62 Credit Hours <b>Critical course signified by</b> 📌	Hours	Minimum Grade	Notes
📌 SWU 291: Social Service Delivery Systems	3	C	<ul style="list-style-type: none"> <li>• Cultural Diversity Sequence - any course at ASU that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.</li> <li>• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
📌 SWU 295: Foundations of Social Work Practice (SB & C)	3	C	
Cultural Diversity Sequence OR Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4-3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	2-3		
Maintain 2.50 GPA in Major Courses. Minimum 2.00 GPA ASU Cumulative.			
📌 Complete ECN 211 OR SWU 181 course.			
Term hours subtotal:	15		

Term 5 62 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SWU 302: Human Biology for Social Workers	3		<ul style="list-style-type: none"> <li>• Students who have already completed a human biology course may take an upper division elective in place of SWU 302. See your advisor for permission.</li> <li>• Cultural Diversity Sequence - any course at ASU that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
★ SWU 303: Micro Human Behavior and the Social Environment (L or SB)	3	C	
★ SWU 340: Macro Human Behavior and the Social Environment (SB)	3	C	
★ SWU 374: Diversity and Oppression in a Social Work Context (C)	3	C	
Cultural Diversity Sequence OR Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4-3		
Milestone: Apply for Level 1 fingerprint clearance card. Maintain 3.00 GPA in Major Courses. Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16-15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SWU 306: Ethics in Social Services (L)	3	C	<ul style="list-style-type: none"> <li>• BSW Advancement: Successful completion of: SWU 171 SWU 295 SWU 291 SWU 306 SWU 311 SWU 312</li> </ul>
★ SWU 311: Integrative Social Work Practice	3	C	
★ SWU 312: Integrative Social Work Practice Skills	3	C	
SWU 321: Statistics for Social Workers (CS)	3		
Interdisciplinary Requirement	3		

★ Milestone: Completion of all lower-division university general studies requirements.

★ Milestone: Submit materials for BSW advancement.

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Maintain 3.00 GPA in Major Courses.

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 15

Documented completion of 40 hours human services experience,  
Level 1 Fingerprint Clearance Card,  
Signed Standards of Professional and Ethical Behavior form.

- For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.
- Use Handshake to research **employment opportunities**.

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SWU 320: Research Methods in Social Work	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 412 will satisfy the college Solution-Based Learning (SBL) Requirement.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> <li>• To maintain BSW Professional Program status, students must sustain an overall GPA of 2.00 and Social Work GPA of 3.00 with no grade lower than a C.</li> </ul>
★ SWU 410: Social Work Practice II	3	C	
★ SWU 412: Field Instruction I	3	C	
★ SWU 413: Field Instruction Seminar	3	C	
★ SWU 432: Social Policy and Services	3	C	
Maintain 3.00 GPA in Major Courses.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SWU 411: Social Work Practice III	3	C	<ul style="list-style-type: none"> <li>• Successful completion of SWU 414 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• To maintain BSW Professional Program status, students must sustain an overall GPA of 2.00 and Social Work GPA of 3.00 with no grade lower than a C.</li> <li>• Students select one course from the BSW Area of Interest course list below.</li> </ul>
★ SWU 414: Field Instruction II	3	C	
★ SWU 415: Integrative Field Seminar	3	C	
BSW Area of Interest	3	C	
Maintain 3.00 GPA in Major Courses.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291, SWU 412, or SWU 414 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	CRD 302: Inclusive Community Development (SB & C)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	CRD 471: Interprofessional Education and Community Health



CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	CRD 472: Interprofessional Education and Complex Health
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	CRD 473: Interprofessional Education and Comprehensive Systems Health
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	CSM 201: Introduction to Community Sports
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	NLM 160: Voluntary Action and Community Leadership (SB)
CRJ 260: Substantive Criminal Law		NLM 220: Introduction to Nonprofit Organizations
CRJ 270: Community Justice (SB)		PRM 120: Leisure and the Quality of Life (SB)
CRJ 305: Gender, Crime, and Criminal Justice (C)		PRM 364: Foundations of Recreation Therapy (SB)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		PRM 380: Wilderness and Parks in America (SB & H)
CRJ 309: Criminology (SB)		TDM 205: Introduction to Travel and Tourism (G)
CRJ 350: Law and Social Control (SB)		TDM 458: International Tourism (G)
<b>Interdisciplinary Requirement-Area 4</b>	<b>BSW Area of Interest</b>	
CPP Elective	SWU 416: Domestic Violence and National AmeriCorps Service	
	SWU 417: Technology, Interpersonal Relationships and Abuse	
	SWU 418: Global Violence Against Women	
	SWU 442: Child Welfare Practice	
	SWU 454: Overview of Addictions	
	SWU 456: Immigrants and Refugees (C)	
	SWU 457: Southwest Borderland Immigration Issues (C)	
	SWU 458: Behavioral Health Services	
	SWU 459: Spirituality and the Helping Professions	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
	SWU 462: Global Social Welfare (G)	
	SWU 488: Advocacy Strategies	
	SWU 498: Pro-Seminar (L)	

**Notes:**

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 3.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Tourism Development and Management, BS



School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus




PPTDMBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <b>ASU Mentor Network</b></li> <li>Secure <b>experience</b> to start your 200 career field exploration hours</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		



Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
Interdisciplinary Requirement	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
TDM Elective Area	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses:			
Elective	6		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>Successful completion of CRD 301 or TDM 372 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>skills</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 TDM 372: Tourism Planning (L)	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
TDM 350: Tourism, Recreation and Sports Marketing	3	C	
TDM Elective Area	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 402: Assessment and Evaluation of Community Services	3	C	<ul style="list-style-type: none"> <li>Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>Develop your <b>professional online presence</b></li> <li>Secure <b>experience</b> to continue your 200 career field exploration hours</li> <li>Taking TDM 345 and TDM 356 will yield the <b>Convention Sales and Meeting Planning certificate</b>.</li> </ul>
 TDM 458: International Tourism (G)	3	C	
TDM 480: Sustainable Tourism	3	C	
Complete 2 courses:			
TDM Elective Area	6	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>Use Handshake to research <b>employment opportunities</b></li> <li>Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
TDM 401: Tourism Management	3	C	
Upper Division TDM Elective Area	3	C	
TDM Elective Area	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

• For the Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, TDM 372, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement - Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Tourism Development and Management Electives	
CPP Elective	CRD Elective	
	CSM Elective ( CSM 201 OR CSM 483 OR CSM 485 recommended)	
	ENG 379: Travel Writing (L)	
	PAF 410: Building Leadership Skills (SB)	
	PRM Elective ( PRM 145 OR PRM 304 OR PRM 470 recommended)	
	NLM Elective	
	TDM 225: Introduction to Resort and Hotel Management	
	TDM 345: Meeting and Convention Planning	
	TDM 386: Convention Sales and Management	

TDM 415: Tourism Transportation Systems

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TDM 448: Heritage and Cultural Tourism

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TDM 475: Entrepreneurial Recreation and  
Tourism

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TDM 481: Sustainable Food Management in  
Tourism

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map



### Tourism Development and Management (Meetings and Events), BS



School/College: [Watts College of Public Service & Community Solut](#)

Location: [Downtown Phoenix campus](#)

PPTDMMEBS



Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Secure <a href="#">volunteer experience</a> to start your 200 career field exploration hours</li> </ul>
Interdisciplinary Requirement	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	
PRM 203: Program Planning	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>skills</b></li> </ul>
 TDM 372: Tourism Planning (L)	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
PRM 145: Special Events Management	3	C	
TDM 350: Tourism, Recreation and Sports Marketing	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 487: Advanced Special Events Management	3	C	<ul style="list-style-type: none"> <li>• Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement.</li> <li>• Develop your <b>professional online presence</b></li> <li>• PRM 487 is offered in Spring semester only</li> </ul>
 TDM 402: Assessment and Evaluation of Community Services	3	C	
TDM 345: Meeting and Convention Planning	3	C	
Complete 2 courses:			
TDM Meetings and Events Concentration Elective	6	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>• Research <b>employment and internship opportunities</b></li> </ul>
 TDM 458: International Tourism (G)	3	C	
TDM 401: Tourism Management	3	C	
TDM 480: Sustainable Tourism	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		



- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	TDM Meetings and Events Concentration Electives (choose two)	
CPP Elective	PRM 422: Special Event Technology and Production	
	PRM 423: Special Event Operations	
	PRM 427: Where's the Money: Special Event Revenue Generation	
	TDM 386: Convention Sales and Management	
	TDM 481: Sustainable Food Management in Tourism	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Tourism Development and Management (Resort and Hotel Leadership), BS




School/College: [Watts College of Public Service & Community Solut](#)



Location: [Downtown Phoenix campus](#)




PPTDMRBS

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: PAF 410 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.</li> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Interdisciplinary Requirement Course	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		



Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> <li>Activate your <b>Handshake account</b> and build out your profile.</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	
TDM 225: Introduction to Resort and Hotel Management	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
<i>Complete 2 courses:</i>			
Elective	6		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 or TDM 372 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>skills</b></li> <li>• Secure <b>experience</b> to continue your 200 career field exploration hours</li> </ul>
 TDM 372: Tourism Planning (L)	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
TDM 350: Tourism, Recreation and Sports Marketing	3	C	
Resort and Hotel Leadership Elective	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 402: Assessment and Evaluation of Community Services	3	C	<ul style="list-style-type: none"> <li>• Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• PAF 410 satisfies part of the college's Interdisciplinary requirement.</li> <li>• Develop your <b>professional online presence</b></li> <li>• TDM 481 and TDM 482 - offered Spring semester only</li> <li>• Secure <b>experientc</b>o to continue your 200 career field exploration hours</li> </ul>
 TDM 481: Sustainable Food Management in Tourism	3	C	
PAF 410: Building Leadership Skills (SB)	3	C	
TDM 482: Sustainable Revenue Management	3	C	
Resort and Hotel Leadership Elective	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>• Research <b>employment</b> and <b>internship opportunities</b></li> <li>• Secure <b>experience</b> to complete your 200 career field exploration hours</li> </ul>
TDM 401: Tourism Management	3	C	
TDM 458: International Tourism (G)	3	C	
TDM 480: Sustainable Tourism	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - PAF 410 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, TDM 372, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	SWU 171: Introduction to Social Work (SB & H)	CPP Elective
CRJ 201: Criminal Justice Crime Control Policies and Practices	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)	
CRJ 203: Courts and Sentencing		
CRJ 204: Juvenile Justice	SWU 181: Economics: A Social Issues Perspective	
CRJ 230: Introduction to Policing	SWU 182: Social Services Perspective of Government (SB)	
CRJ 240: Introduction to Corrections		
CRJ 260: Substantive Criminal Law	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)	
CRJ 270: Community Justice (SB)	SWU 250: Stress Management Tools I (SB)	
CRJ 305: Gender, Crime, and Criminal Justice (C)	SWU 349: Stress Management Tools II (SB)	
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	SWU 456: Immigrants and Refugees (C)	
CRJ 309: Criminology (SB)	SWU 458: Behavioral Health Services	
CRJ 350: Law and Social Control (SB)	SWU 459: Spirituality and the Helping Professions	
	SWU 460: Legal Issues in Social Work	
	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)	
<b>Resort and Hotel Leadership Electives</b>		
LES 305: Business Law and Ethics for Managers		
MGT 380: Management and Strategy for Nonmajors		
PRM 145: Special Events Management		
PRM 475: Entrepreneurial Recreation and Tourism		
TDM 345: Meeting and Convention Planning		
TDM 386: Convention Sales and Management		

**Notes:**

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- - **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



## 2021 - 2022 Major Map




### Tourism Development and Management (Sustainable Tourism), BS




School/College: Watts College of Public Service & Community Solut

Location: Downtown Phoenix campus

PPTDMSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.			
Term hours subtotal:	16		

Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Secure <a href="#">volunteer experience</a> to start your 200 career field exploration hours</li> </ul>
SOS 100: Introduction to Sustainability (G)	3	C	
Interdisciplinary Requirement	3		
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	
Sustainable Tourism Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRD 301: Sustainable Communities	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 301 or TDM 372 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>skills</b></li> </ul>
★ TDM 372: Tourism Planning (L)	3	C	
CRD 302: Inclusive Community Development (SB & C)	3	C	
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability	3	C	
TDM 350: Tourism, Recreation and Sports Marketing	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TDM 402: Assessment and Evaluation of Community Services	3	C	<ul style="list-style-type: none"> <li>• Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Develop your <b>professional online presence</b></li> <li>• TDM 481 - offered Spring semester only</li> </ul>
★ TDM 481: Sustainable Food Management in Tourism	3	C	
TDM 448: Heritage and Cultural Tourism	3	C	
TDM 458: International Tourism (G)	3	C	
Sustainable Tourism Elective	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>• Research <b>employment</b> and <b>internship</b> opportunities</li> </ul>
TDM 401: Tourism Management	3	C	
TDM 480: Sustainable Tourism	3	C	
Complete 2 courses:	6		
Elective			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ TDM 463: Senior Internship	12	C	<ul style="list-style-type: none"> <li>• Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	12		



- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, TDM 372, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement - Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Sustainable Tourism Electives	
CPP Elective	PRM 370: Public Lands Management	
	PRM 470: Environmental Communication	
	TDM 225: Introduction to Resort and Hotel Management	
	TDM 415: Tourism Transportation Systems	
	TDM 475: Entrepreneurial Recreation and Tourism	
	TDM 482: Sustainable Revenue Management	
	TDM 483: Sports Tourism	

Notes:

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map



### Tourism and Recreation Management, BS



School/College: [Watts College of Public Service & Community Solut](#)





Location: [ASU@Lake Havasu](#)





PPTRMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li><b>Network</b> in your career interest area</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>Secure <b>volunteer experience</b> to start your 200 career field exploration hours</li> </ul>
 PRM 210: Leisure Delivery Systems	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 203: Program Planning	3	C	<ul style="list-style-type: none"> <li>• Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>• Students select one emphasis area below and choose core courses and emphasis electives from the same area. Students must select one of the following four emphases: Events Tourism Recreation Sport</li> </ul>
Emphasis Core Course	3	C	
Interdisciplinary Requirement	3		
Complete 2 courses:			
Elective	6		
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 302: Inclusive Community Development (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b></li> </ul>
 PRM 380: Wilderness and Parks in America (SB & H)	3	C	
 Upper Division Literacy and Critical Inquiry (L)	3		
CRD 350: Tourism, Recreation and Sports Marketing	3	C	
Emphasis Core Course	3	C	
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 401: Managing Leisure Enterprises	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 402 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>• Students select one emphasis area below and choose core courses and emphasis electives from the same area.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
 Emphasis Elective Course	3	C	
CRD 402: Assessment and Evaluation of Community Services	3	C	
PRM 310: Volunteer Management	3	C	
Upper Division Emphasis Elective Course	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	<ul style="list-style-type: none"> <li>• Students select one emphasis area below and choose core courses and emphasis electives from the same area.</li> <li>• Use Handshake to research <b>employment and internship opportunities</b></li> </ul>
 Upper Division Emphasis Elective Course	3	C	
 Emphasis Core Course	3	C	
Upper Division Elective	3		

Elective	3
Term hours subtotal:	15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PRM 484: Internship OR TDM 484: Internship or CSM 484: Internship OR CRD 435: Service Learning for Community Development AND Additional Emphasis Elective	6	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 484, TDM 484, CSM 484, or CRD 435 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of PRM 203, CRD 402, TDM 484, PRM 484, CSM 484 or CRD 435 will satisfy the SBL requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 112: Identity, Service and American Democracy (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 200: Public Service and Policy in the 21st Century	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 201: Economics and Public Policy (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 240: Urban Policy (C)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	PAF 311: Leadership and Change (SB)	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	PAF 410: Building Leadership Skills (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)		SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4	Events Emphasis Core Courses (grade of "C" required)	Events Emphasis Elective Courses (choose 3 courses; grade of "C" required)

CPP Elective	PRM 145: Special Events Management	CSM 483: Sports Tourism
	PRM 487: Advanced Special Events Management	CSM 485: Sports Events
	TDM 345: Meeting and Convention Planning	PRM 475: Entrepreneurial Recreation and Tourism
		TDM 345: Meeting and Convention Planning
		TDM 386: Convention Sales and Management
Recreation Emphasis Core Courses (grade of "C" required)	Recreation Emphasis Elective Courses (choose 3 courses; grade of "C" required)	Sport Emphasis Core Courses (grade of "C" required)
PRM 201: Introduction to Community Sports	GIS 494: GIS Methods for Non-Majors	CSM 201: Introduction to Community Sports
PRM 364: Foundations of Recreation Therapy (SB)	PRM 145: Special Events Management	CSM 483: Sports Tourism
PRM 475: Entrepreneurial Recreation and Tourism	PRM 455: Recreational Therapy and Play with Children, Youth and Families	CSM 485: Sports Events
	PRM 485: Sports Events	
	PRM 487: Advanced Special Events Management	
	TDM 345: Meeting and Convention Planning	
	TDM 448: Heritage and Cultural Tourism	
	TDM 480: Sustainable Tourism	
Sport Emphasis Elective Courses (choose 3 courses; grade of "C" required)	Tourism Emphasis Core Course (grade of "C" required)	Tourism Emphasis Elective Courses (choose 3 courses; grade of "C" required)
PRM 145: Special Events Management	TDM 225: Introduction to Resort and Hotel Management	PRM 145: Special Events Management
PRM 364: Foundations of Recreation Therapy (SB)	TDM 458: International Tourism (G)	TDM 345: Meeting and Convention Planning
PRM 487: Advanced Special Events Management	TDM 480: Sustainable Tourism	TDM 386: Convention Sales and Management
TDM 345: Meeting and Convention Planning		TDM 448: Heritage and Cultural Tourism
TDM 458: International Tourism (G)		TDM 475: Entrepreneurial Recreation and Tourism
TDM 475: Entrepreneurial Recreation and Tourism		TDM 483: Sports Tourism

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for**  
**Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Tourism and Recreation Management, BS

School/College: [Watts College of Public Service & Community Solut](#)

Location: [Online, ASU Local@Los Angeles](#)

PPTRMBS

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR			
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - A 14 - 20 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PRM 210: Leisure Delivery Systems	3	C	<ul style="list-style-type: none"> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	6		
Term 2 - B 20 - 27 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 27 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	<ul style="list-style-type: none"> <li>Secure <a href="#">volunteer experience</a> to start your 200 career field exploration hours</li> </ul>
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		
		Minimum	



Term 3 - B 33 - 39 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Grade	Notes
Humanities, Arts and Design (HU)	3		<ul style="list-style-type: none"> <li>Consider combining your electives into one of the online minors. Suggestions include:               <ul style="list-style-type: none"> <li>anthropology</li> <li>business</li> <li>organizational leadership</li> <li>sociology</li> <li>sustainability</li> </ul> </li> </ul>
Elective	3		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 45 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ COM 225: Public Speaking (L) OR ENG 301: Writing for the Professions (L)	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ PRM 203: Program Planning	3	C	<ul style="list-style-type: none"> <li>Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
Interdisciplinary Requirement	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ CRD 302: Inclusive Community Development (SB & C)	3	C	<ul style="list-style-type: none"> <li>Develop your <i>skills</i></li> </ul>
★ PRM 380: Wilderness and Parks in America (SB & H)	3	C	
Term hours subtotal:	6		

Term 5 - B 57 - 63 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Emphasis Core Course	3	C	<ul style="list-style-type: none"> <li>Students select one emphasis area below and choose core courses and emphasis electives from the same area. Students must select one of the following four emphases:               <ul style="list-style-type: none"> <li>events</li> <li>tourism</li> <li>recreation</li> <li>sport</li> </ul> </li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 6 - A 63 - 69 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ Emphasis Core Course	3	C	
CRD 350: Tourism, Recreation and Sports Marketing	3	C	

Term hours subtotal: 6

- Students select one emphasis area below and choose core courses and emphasis electives from the same area.

Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PRM 310: Volunteer Management	3	C	<ul style="list-style-type: none"> <li>• Core and elective courses for each emphasis are shown at the bottom of the major map.</li> </ul>
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Literacy and Critical Inquiry (L)	3		<ul style="list-style-type: none"> <li>• Develop your professional online presence</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Emphasis Elective Course	3	C	<ul style="list-style-type: none"> <li>• Students select one emphasis area below and choose core courses and emphasis electives from the same area.</li> </ul>
Elective	3		
Term hours subtotal:	6		

Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Emphasis Core Course	3	C	<ul style="list-style-type: none"> <li>• Successful completion of CRD 402 will satisfy the college Solution-Based Learning (SBL) Requirement.</li> <li>• Students select one emphasis area below and choose core courses and emphasis electives from the same area.</li> </ul>
CRD 402: Assessment and Evaluation of Community Services	3	C	
Term hours subtotal:	6		

Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 401: Managing Leisure Enterprises	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	Use Handshake to research employment and internship opportunities
★ Upper Division Emphasis Elective Course	3	C	
Term hours subtotal:	6		

Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Emphasis Elective Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

		Minimum	
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Term 10 - A 111 - 114 Credit Hours	Hours	Grade	Notes
Upper Division Elective	3		<ul style="list-style-type: none"> <li>Students select one emphasis area below and choose core courses and emphasis electives from the same area.</li> </ul>
Term hours subtotal:	3		

Term 10 - B 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PRM 484: Internship or TDM 484: Internship or CSM 484: Internship OR CRD 435: Service Learning for Community Development AND Additional Emphasis Elective	6	C	<ul style="list-style-type: none"> <li>PRM 484, TDM 484, CSM 484, or CRD 435 offered as a C Session course.</li> <li>Successful completion of PRM 484, TDM 484, CSM 484, or CRD 435 will satisfy the college Solution-Based Learning (SBL) Requirement</li> </ul>
Term hours subtotal:	6		

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PRM 203, CRD 402, TDM 484, PRM 484, CSM 484 or CRD 435 will satisfy the SBL requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement-Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	PAF 200: Public Service and Policy in the 21st Century	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	PAF 201: Economics and Public Policy (SB)	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	PAF 311: Leadership and Change (SB)	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	PAF 410: Building Leadership Skills (SB)	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing		SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections		SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law		SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)		SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)		SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)		SWU 460: Legal Issues in Social Work
CRJ 309: Criminology (SB)		
CRJ 350: Law and Social Control (SB)		

		SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4 CPP Elective	Events Emphasis Core Courses (grade of "C" required)  PRM 145: Special Events Management  PRM 487: Advanced Special Events Management  TDM 345: Meeting and Convention Planning	Events Emphasis Elective Courses (choose 3 courses; grade of "C" required)  CSM 483: Sports Tourism  CSM 485: Sports Events  PRM 475: Entrepreneurial Recreation and Tourism  TDM 345: Meeting and Convention Planning  TDM 386: Convention Sales and Management
Recreation Emphasis Core Courses (grade of "C" required)	Recreation Emphasis Elective Courses (choose 3 courses; grade of "C" required)  PRM 145: Special Events Management  PRM 455: Recreational Therapy and Play with Children, Youth and Families  PRM 485: Sports Events  PRM 487: Advanced Special Events Management  TDM 345: Meeting and Convention Planning  TDM 448: Heritage and Cultural Tourism  TDM 480: Sustainable Tourism  GIS 494: GIS Methods for Non-Majors	Sport Emphasis Core Courses (grade of "C" required)  CSM 201: Introduction to Community Sports  CSM 483: Sports Tourism  CSM 485: Sports Events
Sport Emphasis Elective Courses (choose 3 courses; grade of "C" required)	Tourism Emphasis Core Course (grade of "C" required)  TDM 225: Introduction to Resort and Hotel Management  TDM 458: International Tourism (G)  TDM 480: Sustainable Tourism	Tourism Emphasis Elective Courses (choose 3 courses; grade of "C" required)  PRM 145: Special Events Management  TDM 345: Meeting and Convention Planning  TDM 386: Convention Sales and Management  TDM 448: Heritage and Cultural Tourism  TDM 475: Entrepreneurial Recreation and Tourism  TDM 483: Sports Tourism
	TDM 458: International Tourism (G)  TDM 475: Entrepreneurial Recreation and Tourism  TDM 345: Meeting and Convention Planning	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Urban and Metropolitan Studies, BS




School/College: Watts College of Public Service & Community Solut



Location: Downtown Phoenix campus

PPURBBS




Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>ASU 101 is for ASU first-year students only and is not required for transfer students</li> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> </ul>
ASU 101-CPP: The ASU Experience	1		
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.</li> <li>Build your professional connections --- join the <a href="#">ASU Mentor Network</a></li> </ul>
MAT 142: College Mathematics (MA)	3		
Interdisciplinary Requirement	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PAF 220: Introduction to Urban America	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a></li> </ul>
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses:			
Elective	6		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 240: Urban Policy (C)	3	C	• Explore an <a href="#">internship</a>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 351: Urban and Metropolitan Studies	3	C	• Develop your <a href="#">professional online presence</a>
PAF 301: Applied Statistics (CS)	3	C	
Complete 2 courses: POS OR PUP OR GPH OR GCU OR MGT OR PAF OR HST OR SBS OR SOS OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR ASB Elective	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 302: Public Service Research Methods	3	C	• Complete an in person or virtual <a href="#">practice interview</a>
 PAF 305: Urban Governance	3	C	
POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective	3	C	
POS OR PUP OR GPH OR GCU OR MGT OR PAF OR HST OR SBS OR SOS OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR ASB Elective	3	C	
Elective	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 352: Urban Theory	3	C	• Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement
 PAF 484: Internship	3	Y	
PAF 410: Building Leadership Skills (SB)	3	C	
Complete 2 courses: POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective	6	C	
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	

POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS  
 OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR  
 NLM OR TDM OR PRM OR PAF Upper Division Elective 3 C

Complete 2 courses: 6  
 Upper Division Elective

Term hours subtotal: 12

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1	Interdisciplinary Requirement - Area 2	Interdisciplinary Requirement-Area 3
CRJ 100: Introduction to Criminal Justice (SB)	CRD 302: Inclusive Community Development (SB & C)	SWU 171: Introduction to Social Work (SB & H)
CRJ 201: Criminal Justice Crime Control Policies and Practices	CRD 471: Interprofessional Education and Community Health	SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)
CRJ 203: Courts and Sentencing	CRD 472: Interprofessional Education and Complex Health	SWU 181: Economics: A Social Issues Perspective
CRJ 204: Juvenile Justice	CRD 473: Interprofessional Education and Comprehensive Systems Health	SWU 182: Social Services Perspective of Government (SB)
CRJ 230: Introduction to Policing	CSM 201: Introduction to Community Sports	SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)
CRJ 240: Introduction to Corrections	NLM 160: Voluntary Action and Community Leadership (SB)	SWU 250: Stress Management Tools I (SB)
CRJ 260: Substantive Criminal Law	NLM 220: Introduction to Nonprofit Organizations	SWU 349: Stress Management Tools II (SB)
CRJ 270: Community Justice (SB)	PRM 120: Leisure and the Quality of Life (SB)	SWU 456: Immigrants and Refugees (C)
CRJ 305: Gender, Crime, and Criminal Justice (C)	PRM 364: Foundations of Recreation Therapy (SB)	SWU 458: Behavioral Health Services
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	PRM 380: Wilderness and Parks in America (SB & H)	SWU 459: Spirituality and the Helping Professions
CRJ 309: Criminology (SB)	TDM 205: Introduction to Travel and Tourism (G)	SWU 460: Legal Issues in Social Work
CRJ 350: Law and Social Control (SB)	TDM 458: International Tourism (G)	SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)
Interdisciplinary Requirement-Area 4		
CPP Elective		

Notes:

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- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map



### Applied Science (Early Childhood Studies), **BAS**

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Online, ASU Local@Los Angeles](#)

TEAPSECBAS

Applicable Community College Prerequisites 0 - 60 Credit Hours	Hours	Minimum Grade	Notes
AAS Degree Transfer Block	60		<ul style="list-style-type: none"> <li>• Students may meet lower division general studies requirements with the AAS degree.</li> <li>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.</li> <li>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.</li> </ul>
Term hours subtotal:	60		

Term 5 - A 60 - 69 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECD 327: Becoming a Teacher Leader	3	C	<ul style="list-style-type: none"> <li>• Students must secure an approved ASU work or volunteer placement for upper-division coursework. The MLFTC <b>Office of Professional Experiences (OPE)</b> supports all site placements for students in our college. For students who do not have an existing placement at a site that teaches young children and that meets the requirements of ASU, OPE will help find an appropriate placement.</li> </ul>
FAS 370: Family Ethnic and Cultural Diversity (SB & C)	3	C	
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		

Term 5 - B 69 - 78 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECD 310: Applied Early Child Development	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or Early Childhood Professional organization (for example, <b>NAEYC</b> or <b>AzAEYC</b>).</li> </ul>
Upper Division Elective ( ECS 312 recommended)	3		
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	9		

Term 6 - A 78 - 87 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECS 321: Communication, Language Development, and Emergent Literacy	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b>.</li> </ul>
CDE 350: Inequality and Diversity in Education (L & C)	3	C	
Any needed lower division General Studies requirement OR Elective	3		

Term hours subtotal: 9

Term 6 - B 87 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECD 325: Supporting Dual Language Learners	3	C	• Complete an in person or virtual practice interview.
CDE 430: Infant/Toddler Development in the Family (SB)	3	C	
Any needed lower division General Studies requirement OR Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	9		

Term 7 - A 96 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECD 322: Cognition and General Knowledge: Science, Math, Logic and Reasoning	3	C	
★ ECS 315: Classroom Organization and Child Guidance	3	C	
Term hours subtotal:	6		

Term 7 - B 102 - 108 Credit Hours	Hours	Minimum Grade	Notes
PAF 410: Building Leadership Skills (SB)	3	C	• Apply for full-time career opportunities.
Any needed lower division General Studies requirement OR Elective	3		
Term hours subtotal:	6		

Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECS 427: Highly Individualized Teaching and Learning	3	C	
★ ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education	3	C	
Term hours subtotal:	6		

Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECD 476: Intentional Teaching	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Early Childhood and Early Childhood Special Education, **BAE**





School/College: Mary Lou Fulton Teachers College



Location: Tempe campus

TEECSEBAE

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	13		
Term 2 13 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB) Humanities, Arts and Design (HU) ( RDG 291 recommended)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	17		
Term 3 30 - 47 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching	3	C	

TEL 270: Professional Educator Series: Connecting Research to Practice	1	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)	4	C
Elective	3	
Complete Mathematics (MA) requirement.		
Term hours subtotal:	17	

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• GCU 113 meets the US and AZ constitution requirement for teacher certification.</li> <li>• Develop your professional <b>online presence</b>.</li> <li>• Must complete a minimum of 60 credits, including all foundational coursework, to progress into upper-division education courses.</li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Historical Awareness (H) (GCU 113 recommended)	3		
Literacy and Critical Inquiry (L) AND Global Awareness (G)	3		
 Milestone: Complete online Intent to Progress form (meet with advisor).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECD 396: Student Teaching: Early Childhood (Ages Birth-5)	4	C	
ECD 321: Emerging Language and Literacy	3	C	
ECS 310: Foundations in Typical / Atypical Child Development	3	C	
ECS 312: Social and Emotional Development of the Young Child (SB)	3	C	
ECS 316: Assessment/Evidence-based Practice	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECS 397: Student Teaching: Inclusive Early Childhood (Ages Birth-5)	4	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
ECS 315: Classroom Organization and Child Guidance	3	C	
ECS 420: Evaluation and Intervention Strategies for Infants, Toddlers and Preschoolers with Disabilities	3	C	
ECS 431: Family, Community and Professional Support Systems	3	C	
MTE 310: Number Sense, Spatial Relationships, and Measurement and Data for Early Childhood Education Teaching	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 106 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 ECS 478: Student Teaching: Special Education (Grades K-3)	5	C	
ECD 418: Instructional Methods for Young Children: Integrating Digital Media	3	C	

ECS 412: Mathematics Curriculum, Instruction and Assessment	3	C
ECS 413: Literacy Curriculum, Instruction and Assessment (L)	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	14	

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECD 478: Student Teaching: Early Childhood (Grades K-3)	5	C	
ECS 411: Instructional Methodologies for Young Children: STEM	3	C	
ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education	3	C	
SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map

### Education Exploratory

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

TEEDUEXPL

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest area</b> and play me3@ASU.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Elective	3		
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Milestone: Students must declare a BAE major upon the completion of 30 credits. Please meet with a Teachers College advisor to declare one of the BAE programs.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's



first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 30

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

### **General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Educational Studies, BAE

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

EDSLSTBAE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <a href="mailto:me3@asu">me3@ASU</a></li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Elective	1		
Term hours subtotal:	14		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> <li>Consider studying abroad. Meet with your advisor for more information.</li> <li>TEL 215 is the preferred course</li> </ul>
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
CDE 232: Human Development (SB) OR TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> <li>Select one track option from options below and complete all courses listed within the same track</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>professional online presence</b></li> <li>• Meet with Teachers College Career Coach before the end of the term.</li> </ul>
TEL 200: Social Embeddedness of Educational Endeavors	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		
Elective	2		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EDU 301: Why Education?	3	C	<ul style="list-style-type: none"> <li>• Students must secure an approved ASU work or volunteer placement for internships. It is recommended that this be secured three months before the start of your internship. The MLFTC <b>Office of Professional Experiences (OPE)</b> supports all site placements for students in our college. For students who do not have an existing placement at a site that teaches young children and that meets the requirements of ASU, OPE will help find an appropriate placement.</li> </ul>
★ EDU 302: Diversity in Learning Contexts	3	C	
★ LSE 303: Human Development: Addressing Learner Capabilities	3	C	
Educational Studies Track Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 75 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EDU 304: The Bridge Between Coursework, Identity and Career	2	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
★ EDU 396: Internship in Non-profit Learning Environments	3	C	
★ LSE 305: Conceptualizing Learning: Theories in Practice	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Educational Studies Track Course	3	C	
Upper Division Elective	1		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	15		

Term 7 90 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ EDU 402: Partnering to Advance Educational Initiatives	3	C	<ul style="list-style-type: none"> <li>• Complete an in-person or virtual <b>practice interview</b></li> <li>• Apply for <b>full-time career opportunities</b></li> </ul>
★ EDU 484: Internship	3	C	
★ LSE 401: Designing Learning Environments for Inclusion	3	C	
Complete 2 courses:			
Educational Studies Track Course	6	C	
Upper Division Elective	1		
Term hours subtotal:	16		

Term 8 106 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ EDU 404: Navigating Change in Educational Innovations	3	C
★ EDU 498: Pro-seminar	4	C
Educational Studies Track Course	3	C
Upper Division Elective	4	
Term hours subtotal:	14	

- Select one track from the options below and complete all courses listed within the same track.

Hide Course List(s)/Track Group(s)

Business	Community Health	Environmental Education
ACC 382: Accounting and Financial Analysis	HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	SCN 207: Introduction to Biomimicry or SCN 307: Learning from Nature: Biomimicry and STEM
ECN 211: Macroeconomic Principles (SB)	HCR 231: Fundamentals of Community Health	SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) or SCN 308: Urban Environmental Education
FIN 380: Personal Financial Management	HCR 331: Communication within Communities	SCN 301: Ecology and Natural History of the Sonoran Desert (SG)
MGT 380: Management and Strategy for Nonmajors	HCR 335: Program Development and Management for Community Health	SCN 302: Environmental Education (L & G)
MKT 390: Essentials of Marketing	HCR 435: Leaders in Community Health	SCN 310: Biodiversity Conservation: An Educational Inquiry
Family and Human Development	Global Studies	Health Innovation
FAS 101: Personal Growth in Human Relationships (SB)	SGS 101: Thinking Globally: The Individual and Authority (SB & G)	HCI 311: Health Innovation: Foundational Concepts
FAS 264: Gender and Society (SB & C)	SGS 303: Global Trends (SB & G)	HCI 412: Transforming Health Care: A Systems Perspective for Innovation
FAS 331: Marriage and Family Relationships (SB)	SGS 340: Violence, Conflict and Human Rights	HCI 421: Health Care Policy: The Innovator's View
FAS 370: Family Ethnic and Cultural Diversity (SB & C)	SGS Lower Division Elective	HCI 425: Facilitating Innovation to Achieve Outcomes
CDE Upper Division Elective	SGS Upper Division Elective	HCI 428: Technology: A Tool to Advance Innovation in Health Care
Nonprofit Administration	Organizational Leadership	Personal Health
NLM 160: Voluntary Action and Community Leadership (SB)	OGL 200: Introduction to Organizational Leadership (SB)	EXW 325: Fitness for Life
NLM 220: Introduction to Nonprofit Organizations	OGL 220: Behavioral Dynamics in Organizations (SB)	HEP 303: Human Sexuality for Health Education
NLM 300: Fund Raising and Resource Development	OGL 320: Foundations of Project Management	NTR 100: Introduction to Nutrition Science
NLM 310: Volunteer Management	OGL 340: Organizational Skills	HSC 355: Eating for Lifelong Health (SB)
		EXW OR HEP Upper Division Elective

NLM 430: Managing Nonprofit Organizations (L)	OGL 355: Leading Organizational Innovation and Change
Political Science	Recreation Management
POS 110: American Government and Politics (SB)	CRD 210: Community Services and Professions
POS 150: Comparative Government (SB & G)	CRD 302: Inclusive Community Development (SB & C)
POS 210: Political Ideologies (SB)	PRM 120: Leisure and the Quality of Life (SB)
POS 360: World Politics (SB & G)	PRM 304: Recreation Planning and Facility Development (L)
POS Upper Division Elective	PRM 401: Managing Leisure Enterprises

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Educational Studies, BAE

School/College: [Mary Lou Fulton Teachers College](#)



Location: [Online, ASU Local@Los Angeles](#)

EDSLSTBAE



Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> </ul>
ASU 101-ONL: The ASU Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
CDE 232: Human Development (SB) OR TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Elective	3		
Term hours subtotal:	9		
Term 2 - B 22 - 29 Credit Hours	Hours	Minimum Grade	Notes
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	Consider studying abroad. Meet with your advisor for more information.
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 29 - 35 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		

Term hours subtotal: 6

Term 3 - B 35 - 44 Credit Hours	Hours	Minimum Grade	Notes
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	<ul style="list-style-type: none"> <li>Select one track option from options below and complete all courses listed within the same track</li> </ul>
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 44 - 53 Credit Hours  Critical course signified by	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>Meet with Teachers College career coach before the end of the term.</li> </ul>
TEL 200: Social Embeddedness of Educational Endeavors	3	C	
Elective	3		
Term hours subtotal:	9		

Term 4 - B 53 - 60 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	7		

Term 5 - A 60 - 69 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 EDU 301: Why Education?	3	C	<ul style="list-style-type: none"> <li>Students must secure an approved ASU work or volunteer placement for internships. It is recommended that this be secured three months before the start of your internship. The MLFTC <a href="#">Office of Professional Experiences (OPE)</a> supports all site placements for students in our college. For students who do not have an existing placement at a site that teaches young children and that meets the requirements of ASU, OPE will help find an appropriate placement.</li> <li>Develop your <a href="#">professional online presence</a></li> </ul>
Educational Studies Track Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		

Term 5 - B 69 - 77 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 EDU 302: Diversity in Learning Contexts	3	C	
 LSE 303: Human Development: Addressing Learner Capabilities	3	C	
Upper Division Elective	2		
Term hours subtotal:	8		

Term 6 - A 77 - 85 Credit Hours  Necessary course signified by	Hours	Minimum Grade	Notes
 EDU 304: The Bridge Between Coursework, Identity and Career	2	C	<ul style="list-style-type: none"> <li>EDU 396 is a 15 week, C session course.</li> </ul>
 EDU 396: Internship in Non-profit Learning Environments	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) 3

Term hours subtotal: 8

Term 6 - B 85 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LSE 305: Conceptualizing Learning: Theories in Practice	3	C	
Educational Studies Track Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 91 - 100 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDU 402: Partnering to Advance Educational Initiatives	3	C	• EDU 484 is a 15 week, C session course.
★ EDU 484: Internship	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	9		

Term 7 - B 100 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LSE 401: Designing Learning Environments for Inclusion	3	C	• Gather professional references
Educational Studies Track Course	3	C	
Term hours subtotal:	6		

Term 8 - A 106 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDU 404: Navigating Change in Educational Innovations	3	C	• Apply for full-time career opportunities • EDU 498 is a 15 week, C session course.
★ EDU 498: Pro-seminar	4	C	
Upper Division Elective	1		
Term hours subtotal:	8		

Term 8 - B 114 - 120 Credit Hours	Hours	Minimum Grade	Notes
Educational Studies Track Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

- Select one track from the options below and complete all courses listed within the same track.

Hide Course List(s)/Track Group(s)

Business	Community Health	Family and Human Development
ACC 382: Accounting and Financial Analysis	HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	FAS 101: Personal Growth in Human Relationships (SB)
ECN 211: Macroeconomic Principles (SB)	HCR 231: Fundamentals of Community Health	FAS 264: Gender and Society (SB & C)
FIN 380: Personal Financial Management	HCR 331: Communication within Communities	FAS 331: Marriage and Family Relationships (SB)
MGT 380: Management and Strategy for Nonmajors		



MKT 390: Essentials of Marketing	HCR 335: Program Development and Management for Community Health	FAS 370: Family Ethnic and Cultural Diversity (SB & C)
	HCR 435: Leaders in Community Health	CDE Upper Division Elective
Global Studies	Health Innovations	Organizational Leadership
SGS 101: Thinking Globally: The Individual and Authority (SB & G)	HCI 311: Health Innovation: Foundational Concepts	OGL 200: Introduction to Organizational Leadership (SB)
SGS 303: Global Trends (SB & G)	HCI 412: Transforming Health Care: A Systems Perspective for Innovation	OGL 220: Behavioral Dynamics in Organizations (SB)
SGS 340: Violence, Conflict and Human Rights	HCI 421: Health Care Policy: The Innovator's View	OGL 320: Foundations of Project Management
SGS Lower Division Elective	HCI 425: Facilitating Innovation to Achieve Outcomes	OGL 340: Organizational Skills
SGS Upper Division Elective	HCI 428: Technology: A Tool to Advance Innovation in Health Care	OGL 355: Leading Organizational Innovation and Change
Personal Health	Political Science	
EXW 325: Fitness for Life	POS 110: American Government and Politics (SB)	
HEP 303: Human Sexuality for Health Education	POS 150: Comparative Government (SB & G)	
HSC 355: Eating for Lifelong Health (SB)	POS 210: Political Ideologies (SB)	
NTR 100: Introduction to Nutrition Science	POS 360: World Politics (SB & G)	
EXW OR HEP Upper Division Elective	POS Upper Division Elective	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map







### Educational Studies (Early Childhood Studies), BAE

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Online, ASU Local@Los Angeles](#)

TEESECEBAE

This program's name has changed effective Fall 2021. The previous name was Educational Studies (Early Childhood Education).

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3		<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
ASU 101-ONL: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
TEL 111: Exploration of Education (SB)	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year registration information <a href="#">here</a>.</li> <li>Build your professional connections -- join the <a href="#">ASU Mentor Network</a>.</li> </ul>
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		
Term 2 - B 22 - 29 Credit Hours	Hours	Minimum Grade	Notes
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 29 - 38 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

⚠ TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	• Develop your skills
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

Term 3 - B 38 - 45 Credit Hours	Hours	Minimum Grade	Notes
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	1		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 45 - 54 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	• Students must secure an approved ASU work or volunteer placement for upper-division coursework. The MLFTCOffice of Professional Experiences (OPE)supports all site placements for students in our college. For students who do not have an existing placement at a site that teaches young children and that meets the requirements of ASU, OPE will help find an appropriate placement.
TEL 200: Social Embeddedness of Educational Endeavors	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	9		

Term 4 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
ECD 220: Introduction to Nutrition, Health and Safety	2	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	6		

Term 5 - A 60 - 69 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ECD 327: Becoming a Teacher Leader	3	C	• Students must secure an approved ASU work or volunteer placement for upper division coursework. • Select one track option from below and complete all courses listed within the same track. • Develop your professional online presence.
FAS 370: Family Ethnic and Cultural Diversity (SB & C)	3	C	
Upper Division Elective ( ECS 312 recommended)	3		
Term hours subtotal:	9		

Term 5 - B 69 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ECD 310: Applied Early Child Development	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	6		

Term 6 - A 75 - 84 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ ECS 321: Communication, Language Development, and Emergent Literacy	3	C	

CDE 350: Inequality and Diversity in Education (L & C)	3	C
Educational Studies Track Course	3	C
Term hours subtotal:	9	

Term 6 - B 84 - 90 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECD 325: Supporting Dual Language Learners	3	C	
CDE 430: Infant/Toddler Development in the Family (SB)	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	6		

Term 7 - A 90 - 99 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECS 315: Classroom Organization and Child Guidance	3	C	
★ ECD 322: Cognition and General Knowledge: Science, Math, Logic and Reasoning	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	9		

Term 7 - B 99 - 105 Credit Hours	Hours	Minimum Grade	Notes
PAF 410: Building Leadership Skills (SB)	3	C	• Gather professional references
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - A 105 - 114 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECS 427: Highly Individualized Teaching and Learning	3	C	• Apply for full-time career opportunities
★ ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education	3	C	
Educational Studies Track Course	3	C	
Term hours subtotal:	9		

Term 8 - B 114 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ ECD 476: Intentional Teaching	3	C	
Elective	3		
Term hours subtotal:	6		

- Select one track option from below and complete all courses listed within the same track.

Hide Course List(s)/Track Group(s)

Business	Community Health	Family and Human Development
ACC 382: Accounting and Financial Analysis	HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)	CDE 450: Child Dysfunction in the Family
ECN 211: Macroeconomic Principles (SB)	HCR 231: Fundamentals of Community Health	FAS 264: Gender and Society (SB & C)
FIN 380: Personal Financial Management		FAS 101: Personal Growth in Human Relationships (SB)

MGT 380: Management and Strategy for Nonmajors	HCR 331: Communication within Communities	FAS 331: Marriage and Family Relationships (SB)
MKT 390: Essentials of Marketing	HCR 335: Program Development and Management for Community Health	CDE Upper Division Elective
	HCR 435: Leaders in Community Health	
<b>Global Studies</b>	<b>Health Innovations</b>	<b>Organizational Leadership</b>
SGS 101: Thinking Globally: The Individual and Authority (SB & G)	HCI 311: Health Innovation: Foundational Concepts	OGL 200: Introduction to Organizational Leadership (SB)
SGS 303: Global Trends (SB & G)	HCI 412: Transforming Health Care: A Systems Perspective for Innovation	OGL 220: Behavioral Dynamics in Organizations (SB)
SGS 340: Violence, Conflict and Human Rights	HCI 421: Health Care Policy: The Innovator's View	OGL 320: Foundations of Project Management
SGS Lower Division Elective	HCI 425: Facilitating Innovation to Achieve Outcomes	OGL 340: Organizational Skills
SGS Upper Division Elective	HCI 428: Technology: A Tool to Advance Innovation in Health Care	OGL 355: Leading Organizational Innovation and Change
<b>Personal Health</b>	<b>Political Science</b>	
EXW 325: Fitness for Life	POS 110: American Government and Politics (SB)	
HEP 303: Human Sexuality for Health Education	POS 150: Comparative Government (SB & G)	
HSC 355: Eating for Lifelong Health (SB)	POS 210: Political Ideologies (SB)	
NTR 100: Introduction to Nutrition Science	POS 360: World Politics (SB & G)	
EXW OR HEP Upper Division Elective	POS Upper Division Elective	

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

#### First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map



### Elementary Education, BAE



School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#), [ASU@Lake Havasu](#), [ASU@The Gila Valley](#)

TEEEDBAE

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play me3@ASU.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	13		

Term 2 13 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR			<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Humanities, Arts and Design (HU) ( RDG 291 recommended)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	17		





Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching	3	C	
TEL 270: Professional Educator Series: Connecting Research to Practice	1		








Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended) 4 C



Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• GCU 113 meets the US and AZ constitution requirement for teacher certification.</li> <li>• Must complete at least 60 credits, including all foundational coursework, to progress into upper division.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Historical Awareness (H) (GCU 113 recommended)	3		
Global Awareness (G)	3		
Elective	3		
 Milestone: Complete online Intent to Progress form (meet with advisor).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 60 - 77 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EED 396: Clinical Experience I	2	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
BLE 408: SEI for Linguistically Diverse Learners (L)	3	C	
EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
EED 411: Science in Elementary Schools	3	C	
EED 433: Language Method Management and Assessment	3	C	
MTE 311: Geometry, Algebra, Statistics and Probability for K-8 Teaching	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 6 77 - 94 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EED 397: Clinical Experience II	2	C	
EED 324: Social Studies in Elementary Schools	3	C	
EED 412: Mathematics in Elementary Schools	3	C	
RDG 322: Language Literacy 1 in Elementary Schools	3	C	
SCN 400: Sustainability Science for Teachers	3	C	
SPE 323: Behavioral Strategies for All Students	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 7 94 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 EED 478: Student Teaching: Elementary School (Grades 1-8)	5	C	
BLE 404: Instructional Design for Culturally and Linguistically Diverse Students	3	C	
RDG 413: Language Literacy 2 in Elementary Schools	3	C	

SPE 416: Quality Practices in the Collaborative Classroom 3 C

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 14

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ EED 478: Student Teaching: Elementary School (Grades 1-8)	12	C	
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Term hours subtotal: 12

#### Hide Course List(s)/Track Group(s)

#### Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

#### General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map








### Elementary Education (Educating Multilingual Learners), BAE

School/College: Mary Lou Fulton Teachers College






Location: Tempe campus



TEDLLBAE




This program's name has changed effective Fall 2021. The previous name was Elementary Education (Bilingual Education and English as a Second Language).

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest area</b> and play me3@ASU</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	13		
Term 2 13 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Humanities, Arts and Design (HU) ( RDG 291 recommended)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	17		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>

EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C
MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching	3	C
TEL 270: Professional Educator Series: Connecting Research to Practice	1	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)	4	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

Term 4 44 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion (L)	3	C	<ul style="list-style-type: none"> <li>GCU 113 is a recommended elective for teachers, since it meets the US and AZ constitution requirement.</li> <li>Must complete a minimum of 60 credits, including foundational coursework, to progress into upper division.</li> <li>Develop your <b>professional online presence</b></li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Global Awareness (G)	3		
Historical Awareness (H) (GCU 113 recommended)	3		
Elective	3		
 Milestone: Complete online Intent to Progress form (meet with advisor).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 396: Clinical Experience I	2	C	
BLE 400: Principles of Language Minority Education	3	C	
BLE 408: SEI for Linguistically Diverse Learners (L)	3	C	
EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
MTE 311: Geometry, Algebra, Statistics and Probability for K-8 Teaching	3	C	
SCN 400: Sustainability Science for Teachers	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 94 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 397: Clinical Experience II	2	C	<ul style="list-style-type: none"> <li>Complete an in person or virtual <b>practice interview</b></li> </ul>
BLE 322: Reading Methods in BLE/ESL Settings	3	C	
BLE 411: Science Curriculum, Instruction and Assessment in BLE/ESL Settings	3	C	
BLE 412: Mathematics Curriculum, Instruction and Assessment in BLE/ESL Settings	3	C	
BLE 481: Reading Practicum	3	C	
SPE 416: Quality Practices in the Collaborative Classroom	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 17

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 478: Student Teaching: BLE/ESL Elementary Schools 1-8	5	C	
BLE 324: Social Studies for Diverse Language Classrooms	3	C	
BLE 413: Language Arts in BLE/ESL Settings	3	C	
SPE 323: Behavioral Strategies for All Students	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 478: Student Teaching: BLE/ESL Elementary Schools 1-8	6	C	
BLE 335: Language Diversity in Classrooms (SB)	3	C	
MCE 447: Diversity in Families and Communities in Multicultural Settings	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.







## 2021 - 2022 Major Map

### Elementary Education (Science, Technology, Engineering and Mathematics), BAE

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#)

TEESTEMBAE

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA) OR MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest area</b> and play <b>me3@ASU</b></li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3		
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	13		
Term 2 13 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Build your professional connections -- join the <b>ASU Mentor Network</b></li> </ul>
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB) Humanities, Arts and Design (HU) ( RDG 291 recommended)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	17		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching	3	C	

TEL 270: Professional Educator Series: Connecting Research to Practice	1	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 301 recommended)	4	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

Term 4 44 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>GCU 113 is a recommended elective for teachers, since it meets the US and AZ constitution requirement.</li> <li>Must complete at least 60 credits, including foundational coursework, to progress into upper division.</li> <li>Develop your <b>skills</b></li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Global Awareness (G)	3		
Historical Awareness (H) (GCU 113 recommended)	3		
Elective	3		
⚠ Milestone: Complete online Intent to Progress form (meet with advisor).			
⚠ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 396: Clinical Experience I	2	C	<ul style="list-style-type: none"> <li>Clinical Experience placement will be in a math or science classroom.</li> <li>Develop your <b>professional online presence</b></li> </ul>
BLE 408: SEI for Linguistically Diverse Learners (L) OR SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth	3	C	
EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
EED 433: Language Method Management and Assessment	3	C	
MTE 311: Geometry, Algebra, Statistics and Probability for K-8 Teaching	3	C	
SCN 411: Science in Elementary Schools	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 397: Clinical Experience II	2	C	<ul style="list-style-type: none"> <li>Must pass National Evaluation Series (NES) exam for middle grade math or science.</li> </ul>
MTE 412: Mathematics in Elementary Schools	3	C	
RDG 322: Language Literacy 1 in Elementary Schools	3	C	
SCN 302: Environmental Education (L & G)	3	C	
SPE 323: Behavioral Strategies for All Students	3	C	
DSC OR ERM OR HSE OR MAT OR SCN OR SOS Elective	2		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 478: Student Teaching: Elementary School (Grades 1-8)	5	C	



EED 324: Social Studies in Elementary Schools	3	C
RDG 413: Language Literacy 2 in Elementary Schools	3	C
SCN 309: Environmental Education Project	1	
SPE 416: Quality Practices in the Collaborative Classroom	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 478: Student Teaching: Elementary School (Grades 1-8)	12	C	
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Notes:**

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- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
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**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition








General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Secondary Education, **BAE**

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#), [ASU@Northeastern Arizona](#), [ASU@The Gila Valley](#), [ASU@Yuma](#), [ASU@Yavapai](#)  
TESEDBAE

Term 1 0 - 16 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and <a href="#">play me3@ASU</a></li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Track Course	3	C	
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Apply for an <b>Identity Verified Print (IVP) DPS fingerprint clearance card</b>.</li> <li>Your IVP fingerprint card will be needed for professional classroom experiences.</li> <li>Courses selected for the Track Area must be from the same track. Students should not mix/match track areas.</li> <li>Network in your <b>career interest area</b></li> </ul>
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	14		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> <li>Your IVP fingerprint card will be needed for professional classroom experiences in TEL 270.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
TEL 270: Professional Educator Series: Connecting Research to Practice	1		

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) ( SCN 208 recommended)	4	C
Track Course	3	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

Term 4 44 - 60 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
BLE 220: Foundations of Structured English Immersion (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Historical Awareness (H) ( GCU 113 recommended)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Track Course	3	C	
⚠ Milestone: Complete online Intent to Progress form for Professional Pathways Program (meet with advisor).			
⚠ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• Students may take courses in a different sequence, depending on campus location.</li> <li>• Concurrent degree students should meet with their Teachers College advisor early in Term 5 to provide copy of their IVP fingerprint card and submit paperwork needed to start the professional pathways program.</li> <li>• Education program requires students to participate in clinical experience internships (one day a week) and a student teaching residency (full-time commitment in your last semester) in 6-12th grade classrooms. Reliable transportation is important.</li> <li>• Attendance is required at an orientation prior to enrollment in education course work.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
★ Complete 2 courses:	6	C	
Track Course			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• Use Handshake to research <b>employment opportunities</b></li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
RDG 323: Literacy Processes in Content Areas	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
Upper Division Methods Course	3	C	
Upper Division Track Course	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SED 496: Clinical Experience III	1	C	<ul style="list-style-type: none"> <li>Students seeking teacher certification must pass required <b>educator exams</b>. Please speak with your advisor to plan appropriately.</li> </ul>
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
Upper Division Methods Course	3	C	
Track Course	3	C	
Upper Division Track Course	3	C	
Upper Division Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 8 108 - 120 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12) OR Upper Division Non-Teacher Certification Track	12	C	<ul style="list-style-type: none"> <li>Students at EAC and AWC must take SED 478 to meet program requirements and qualify for teacher certification.</li> <li>Students pursuing this program as a concurrent degree, who choose not to participate in student teaching, must select 12 hours from the non-certification track group. Without student teaching, you will not qualify for a Secondary Education Certification credential, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your academic advisor and the <a href="#">Arizona Department of Education</a> for clarification. We highly recommend all students complete student teaching.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

- Courses selected for Track Area must be from same track. Students should not mix/match track areas.

Hide Course List(s)/Track Group(s)

Biology Track Courses	Business Track Courses	Chemistry Track Courses
BIO 181: General Biology I (SQ)	ACC 231: Uses of Accounting Information I	CHM 113: General Chemistry I (SQ)
BIO 182: General Biology II (SG)	ACC 241: Uses of Accounting Information II	CHM 116: General Chemistry II (SQ)
BIO 320: Fundamentals of Ecology	ECN 211: Macroeconomic Principles (SB)	CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I
BIO 340: General Genetics	ECN 212: Microeconomic Principles (SB)	CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II
BIO 345: Evolution	MGT 300: Organization and Management Leadership	CHM OR BCH Elective
BIO OR MIC OR SCN OR ABS Elective	MKT 300: Marketing and Business Performance	
	SCM 300: Global Supply Operations	
	MGT OR MKT OR SCM OR FIN Elective	
Earth and Space Track Courses	Economics Track Courses	English Track Courses

AST 111: Introduction to Solar Systems Astronomy (SQ)	ECN 211: Macroeconomic Principles (SB)	ENG 200: Critical Reading and Writing About Literature (L or HU)
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	ECN 212: Microeconomic Principles (SB)	ENG 221: Survey of English Literature (HU)
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)	ECN 221: Business Statistics (CS)	ENG 222: Survey of English Literature (HU & H)
SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory	ECN 312: Intermediate Microeconomic Theory (SB)	ENG 241: Literatures of the United States to 1860 ((L or HU) & C)
SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab	ECN 313: Intermediate Macroeconomic Theory (SB)	ENG 242: Literatures of the United States, 1860 to Present (HU)
GLG OR AST OR GPH Elective	ECN Elective	ENG 471: Literature for Young Adults (HU)
General Science Track Courses	Geography Track Courses	ENG Elective
AST 111: Introduction to Solar Systems Astronomy (SQ)	GCU 102: Introduction to Human Geography (SB & G)	History Track Courses
BIO 181: General Biology I (SQ)	GCU 121: World Geography (SB & G)	HST 100: Global History to 1500 (HU & H & G)
BIO 182: General Biology II (SG)	GCU 241: The Global Economy in Transition (SB & G)	HST 101: Global History Since 1500 (HU & H & G)
CHM 113: General Chemistry I (SQ)	GIS 205: Geographic Information Science I (CS)	HST 109: United States to 1865 ((HU or SB) & H)
CHM 116: General Chemistry II (SQ)	GPH 111: Introduction to Physical Geography (SQ)	HST 110: United States Since 1865 (SB & H)
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	GPH 112: Introduction to Physical Geography Lab (SQ)	HST Elective
GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	GCU 113: United States and Arizona Social Studies (SB & H)	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	GCU 114: World Social Studies (SB & G & H)	
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	GCU OR GPH OR GIS Elective	
SCN 300: Foundations of Environmental Education		
Mathematics Track Courses	Physics Track Courses	Political Science Track Courses
MAT 270: Calculus with Analytic Geometry I (MA)	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	POS 110: American Government and Politics (SB) or POS 310: American National Government (SB)
MAT 271: Calculus with Analytic Geometry II (MA)	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	POS 150: Comparative Government (SB & G)
MAT 272: Calculus with Analytic Geometry III (MA)	PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	POS 160: Global Politics (SB & G)
MAT 300: Mathematical Structures (L)	PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	POS 210: Political Ideologies (SB)
MAT 310: Introduction to Geometry		POS 301: Empirical Political Inquiry (SB)
MAT OR MTE OR STP Elective		POS Elective

PHY 252: Physics III (SQ)

PHY Elective

Chinese Track Courses	French Track Courses	German Track Courses
CHI 201: Second-Year Chinese I (G)	FRE 201: Intermediate French I (G)	GER 201: Intermediate German I (G)
CHI 202: Second-Year Chinese II (G)	FRE 202: Intermediate French II (G)	GER 202: Intermediate German II (G)
CHI 301: Third-Year Chinese I (G)	FRE 305: Readings in French Literature (G)	GER 310: Advanced German Grammar and Composition I (G)
CHI 302: Third-Year Chinese II (G)	FRE 311: Oral and Written Expression I (G)	GER 311: German Conversation (G)
CHI Elective	FRE 312: Oral and Written Expression II (G)	GER 312: Readings in German Culture (G)
	FRE Elective	GER 313: Advanced German Grammar and Composition II (G)
		GER Elective
Japanese Track Courses	Spanish Track Courses	Methods Course
JPN 201: Second-Year Japanese I (G)	SPA 201: Intermediate Spanish (G)	BIO 480: Methods of Teaching Biology
JPN 202: Second-Year Japanese II (G)	SPA 202: Intermediate Spanish (G)	CHM 480: Methods of Teaching Chemistry
JPN 301: Third-Year Japanese I (G)	SPA 313: Spanish Conversation and Composition (G)	ENG 480: Methods of Teaching English: Composition (L)
JPN 302: Third-Year Japanese II (G)	SPA 314: Spanish Conversation and Composition (G)	ENG 482: Methods of Teaching English: Language (L)
JPN Elective	SPA 315: Advanced Spanish I for Bilinguals (C)	HST 480: Methods of Teaching History: Classroom Resources
	SPA 316: Advanced Spanish II for Bilinguals (L & C)	MTE 482: Methods of Teaching Mathematics in Secondary School
	SPA 412: Advanced Conversation and Composition (G)	MTE 494: Advanced Methods of Teaching Mathematics in Secondary Schools
	SPA 413: Spanish Grammar in Context (G)	PHY 480: Methods of Teaching Physics
	SPA Elective	SED 403: Secondary Principles, Curriculum and Methods
		SED 480: Special Methods of Teaching Social Studies
		SED 482: Science Teaching Methods for Secondary Schools
		SES 480: Teaching Earth and Space Sciences
Non-Teacher Certification Track		
ECS Upper Division Elective		
EDP Upper Division Elective		
EDT Upper Division Elective		
SCN Upper Division Elective		
SED Upper Division Elective		

SPE Upper Division Elective

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SPF Upper Division Elective

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TEL Upper Division Elective

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USL Upper Division Elective

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**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment score** determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Chemistry, BA

School/College: The College of Liberal Arts and Sciences

Location:

LACHMBA

and




Secondary




Education,

BAE

Mary Lou Fulton Teachers College






TESEDBAE



Term 1 0 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.</li> <li>Select your <b>Career Interest Communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in The College of Liberal Arts and Sciences OR TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
Term hours subtotal:	14-15		





Term 2 14 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li><b>ASU Language Placement:</b> Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.</li> <li>Connect with a Career Advisor by registering for a <b>Handshake</b> account.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 266: Calculus for Engineers II (MA) OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			





Term hours subtotal: 17-18

Term 3 31 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	<ul style="list-style-type: none"> <li>Discuss <b>study abroad opportunities</b> with a School of Molecular Sciences advisor or an International Coordinator.</li> </ul>
 CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 111: General Physics (SQ)	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	18		

Term 4 49 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ)	3	C	<ul style="list-style-type: none"> <li>Teachers College Requirement: Apply for an <b>Identity Verified Print (IVP) DPS fingerprint clearance card</b>.</li> <li>Build your professional connections -- join the <b>ASU Mentor Network</b>.</li> </ul>
CHM 234: General Organic Chemistry II	3	C	
CHM 238: General Organic Chemistry Laboratory II	1	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes	
 CHM 325: Analytical Chemistry	3	C	<ul style="list-style-type: none"> <li>Meet with Teachers College advisor to complete paperwork needed to start education program. Call 480.965.5555 to schedule appointment by recommended deadline of September 15.</li> <li>CHM 325 and CHM 326 are only offered in the Fall semester.</li> <li>Create a first draft <b>resume</b>.</li> </ul>	
CHM 326: Advanced Analytical Chemistry Laboratory	1	C		
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C		
 Milestone: Complete online Intent to Progress form (meet with advisor).				
 Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.				
Minimum 2.50 GPA ASU Cumulative.				
TEL 311: Instruction and Management in the Inclusive Classroom	3	C		
Term hours subtotal:	14			

Term 6 78 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 341: Elementary Physical Chemistry	3	C	

★ CHM 480: Methods of Teaching Chemistry	3	C
★ SED 397: Clinical Experience II	1	C
BLE 407: SEI for Secondary Students (L)	3	C
CHM 343: Elementary Physical Chemistry Laboratory	1	C
SPE 417: Inclusion Practices at the Secondary Level	3	C
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	14	

- During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.
- Use Handshake to research **employment opportunities**.

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 453: Inorganic Chemistry	3	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside an intern mentor teacher in a 6-12th grade classroom. You will be required to complete 75 hours over 12 weeks. Reliable transportation is important.</li> <li>• Apply for <b>full-time career opportunities</b>.</li> <li>• Students seeking teacher certification must pass state educator exams. Please speak with your education advisor to plan appropriately.</li> <li>• CHM 453 is only offered in the Fall semester.</li> </ul>
★ SED 482: Science Teaching Methods for Secondary Schools	3	C	
★ SED 496: Clinical Experience III	1	C	
RDG 323: Literacy Processes in Content Areas	3	C	
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) AND Historical Awareness (H)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12) OR Upper Division Non-Teacher Certification Track	12	C	<ul style="list-style-type: none"> <li>• If you choose not to participate in student teaching, select 12 hours from the non-certification track group below. Without student teaching, you will not be qualified for Arizona Department of Education Secondary Education Certification, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your education advisor and the <b>Arizona Department of Education</b> for clarification. We highly encourage all students to complete student teaching.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

Non-Teacher Certification Track
ECS Upper Division Elective
EDP Upper Division Elective
EDT Upper Division Elective
SCN Upper Division Elective
SED Upper Division Elective
SPE Upper Division Elective

SPF Upper Division Elective

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TEL Upper Division Elective

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USL Upper Division Elective

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**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Secondary Education (Biological Sciences), BAE

School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus, Tempe campus, West campus

TEBIOBAE

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the professional pathways program.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
MAT 170: Precalculus (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	17		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	<ul style="list-style-type: none"> <li>Apply for an identify verified print (IVP) <b>fingerprint clearance card</b> online.</li> <li>Your IVP fingerprint card will be needed for professional classroom experiences.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR			
 ENG 105: Advanced First-Year Composition OR	3	C	
ENG 107 or ENG 108: First-Year Composition			
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	14		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
CHM 113: General Chemistry I (SQ)	4	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
TEL 270: Professional Educator Series: Connecting Research to Practice	1		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		

🚩 Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 45 - 61 Credit Hours <b>Critical course signified by</b> 🚩	Hours	Minimum Grade	Notes
🚩 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>GCU 113 is a recommended elective for teachers, since it meets the US and AZ constitution requirement.</li> <li>Must complete at least 60 credits, including prerequisite courses, to progress into the professional pathways program.</li> <li>Meet with your advisor to submit intent to progress early in Term 4.</li> <li>Attendance is required at an orientation prior to registration for Term 5.</li> <li>Develop your <b>professional online presence</b></li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Elective ( GCU 113 recommended)	3		
Elective	2		
🚩 Milestone: Complete online Intent to Progress form (meet with advisor).			
🚩 Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 5 61 - 76 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
BIO 201: Human Anatomy and Physiology I (SG) OR BIO 360: Animal Physiology OR PLB 308: Plant Physiology	4-3	C	
BIO 340: General Genetics OR LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15-14

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>Complete an in person or virtual <b>practice interview</b></li> </ul>
BIO 320: Fundamentals of Ecology OR BIO 345: Evolution	3	C	
BIO 480: Methods of Teaching Biology OR SCN 494: Biology for Teachers OR SES 480: Teaching Earth and Space Sciences	3	C	
BLE 407: SEI for Secondary Students (L)	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
Elective	3		

⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 92 - 108 Credit Hours <b>Necessary course signified by</b> ⭐	Hours	Minimum Grade	Notes
⭐ SED 496: Clinical Experience III	1	C	<ul style="list-style-type: none"> <li>During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>Students seeking teacher certification must pass required <b>educator exams</b>. Please speak with your advisor to plan appropriately.</li> </ul>
RDG 323: Literacy Processes in Content Areas	3	C	
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
SED 482: Science Teaching Methods for Secondary Schools	3	C	

Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
Elective	3
Minimum 2.50 GPA ASU Cumulative.	
Term hours subtotal:	16

- Use Handshake to research employment opportunities.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	• Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Secondary Education (Chemistry), BAE

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

TECHMBAE

Term 1 0 - 18 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the professional pathways program.</li> <li>Select your <a href="#">career interest communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR	3	C	
 ENG 107: First-Year Composition or ENG 108: First-Year Composition			
MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	18		
Term 2 18 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	<ul style="list-style-type: none"> <li>Apply for identity verified print (IVP) <a href="#">fingerprint clearance card online</a>.</li> <li>Your IVP fingerprint card will be needed for professional classroom experiences.</li> <li>Join a <a href="#">student club</a> or professional organization</li> </ul>
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR	3	C	
 ENG 107: First-Year Composition or ENG 108: First-Year Composition			
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	14		
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>GCU 113 meets the US and AZ constitution requirement for teacher certification.</li> <li>Develop your <a href="#">skills</a>.</li> </ul>
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	

TEL 270: Professional Educator Series: Connecting Research to Practice	1
Elective ( GCU 113 recommended)	3
Complete Mathematics (MA) requirement.	
Term hours subtotal:	14

Term 4 46 - 61 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including foundational coursework, to progress into the professional pathways program.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
PHY 101: Introduction to Physics (SQ)	4	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Milestone: Complete online Intent to Progress form (meet with advisor).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 61 - 77 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
CHM 341: Elementary Physical Chemistry	3	C	
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 77 - 93 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• CHM 480 is only available in the summer or every other fall semester. PHY 480 is available in the spring terms. Work with your advisor to select appropriate methods course.</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
BCH 361: Advanced Principles of Biochemistry OR CHM 302: Environmental Chemistry OR CHM 453: Inorganic Chemistry	3	C	
BLE 407: SEI for Secondary Students (L)	3	C	
CHM 480: Methods of Teaching Chemistry OR PHY 480: Methods of Teaching Physics OR PHY 494: Teaching Physical Science OR SES 480: Teaching Earth and Space Sciences	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
SED 496: Clinical Experience III	1	C	



RDG 323: Literacy Processes in Content Areas	3	C
SED 322: Classroom Leadership in Secondary Schools (L)	3	C
SED 482: Science Teaching Methods for Secondary Schools	3	C
Elective	5	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

- During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.
- Students seeking teacher certification must pass required **educator exams**.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Secondary Education (Earth and Space Sciences), BAE

School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus, Tempe campus, West campus

EDESSBAE

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the professional pathways program.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	17-18		
Term 2 17 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	<ul style="list-style-type: none"> <li>Apply for identity verified print (IVP) <b>fingerprint clearance card online</b>.</li> <li>Your IVP fingerprint card will be needed for professional classroom experiences.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	14		
Term 3 31 - 45 Credit Hours <b>Critical course signified by</b>  <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>GCU 113 meets the US and AZ constitution requirement for teacher certification.</li> <li>Develop your <b>skills</b>.</li> </ul>
AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) AND AST 114: Astronomy Laboratory II (SQ) OR GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to	4	C	

Geology II-Laboratory (SG) OR GLG 108: Water Planet (SQ) OR GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ) OR SES 106: Habitable Worlds (SQ)

EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C
TEL 270: Professional Educator Series: Connecting Research to Practice	1	
Elective ( GCU 113 recommended)	3	

★ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 45 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including all foundational coursework, prior to progressing into the professional pathways program.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
BLE 220: Foundations of Structured English Immersion	3	C	
GLG 325: Oceanography OR GLG 327: Earth's Critical Zone OR GPH 212: Introduction to Meteorology (SQ) OR GPH 213: Climate and Weather (SG)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
⚠ Milestone: Complete online Intent to Progress form (meet with advisor).			
⚠ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 61 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
GLG 310: Structural Geology	3	C	
GLG 325: Oceanography OR GLG 327: Earth's Critical Zone OR GPH 212: Introduction to Meteorology (SQ) OR GPH 213: Climate and Weather (SG)	3	C	
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 77 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
GLG 321: Mineralogy OR GLG 451: Field Geology I (L)	3	C	
SES 480: Teaching Earth and Space Sciences OR PHY 480: Methods of Teaching Physics OR PHY 494: Teaching Physical Science	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
Elective	3		
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 496: Clinical Experience III	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Students seeking teacher certification must pass required <b>educator exams</b>.</li> <li>• Use Handshake to research <b>employment opportunities</b>.</li> </ul>
GLG 301: Earth Science in Arizona and the Southwest	3	C	
RDG 323: Literacy Processes in Content Areas	3	C	
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
SED 482: Science Teaching Methods for Secondary Schools	3	C	
Elective	2		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:			15

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	<ul style="list-style-type: none"> <li>• Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.</li> </ul>
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:			12

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Secondary Education (English), BAE

School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus, Tempe campus, West campus

TEENGBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>• Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the professional pathways program.</li> <li>• Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Historical Awareness (H) AND Global Awareness (G)	3		
Term hours subtotal:	16		
Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>• Join a <b>student club</b> or professional organization</li> <li>• Apply for identify verified print (IVP) <b>fingerprint clearance cardonline</b>.</li> <li>• Your IVP fingerprint card will be needed for professional classroom experiences.</li> </ul>
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	14		
Term 3 30 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	3	C	<ul style="list-style-type: none"> <li>• Develop your <b>skills</b>.</li> </ul>
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	

ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C
TEL 270: Professional Educator Series: Connecting Research to Practice	1	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)	4	C
♦ Complete Mathematics (MA) requirement.		
Term hours subtotal:	17	

Term 4 47 - 60 Credit Hours Critical course signified by ♦	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>			
♦ ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 (L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	6	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including foundational coursework, to progress into the professional pathways program.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
♦ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
BLE 220: Foundations of Structured English Immersion (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
♦ Milestone: Complete online Intent to Progress form (meet with advisor).			
♦ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• GCU 113 is a recommended elective for teachers, since it meets the US and AZ constitution requirement.</li> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> <li>• ENG 486 is typically offered every other year in the fall term. It is a recommended ENG elective for teachers.</li> </ul>
ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar OR ENG 323: Rhetoric and Grammar (L)	3	C	
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
ENG Upper Division Elective	3	C	
Elective (GCU 113 recommended)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
ENG 321: Shakespeare (L or HU) OR ENG 421: Studies in Shakespeare (L or HU) OR ENG 422: Special Topics in Shakespeare	3	C	
ENG 471: Literature for Young Adults (HU)	3	C	
ENG 480: Methods of Teaching English: Composition (L) OR SED 481: English Teaching Methods for Secondary Schools	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SED 496: Clinical Experience III	1	C
ENG 482: Methods of Teaching English: Language (L)	3	C
RDG 323: Literacy Processes in Content Areas	3	C
SED 322: Classroom Leadership in Secondary Schools (L)	3	C
Elective	6	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.
- Students seeking teacher certification must pass required **educator exams**. Please speak with your advisor to plan appropriately.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	• Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.













## 2021 - 2022 Major Map

### Secondary Education (History), BAE

School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus, Tempe campus, West campus

TEHISBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the professional pathways program.</li> <li>Select your <b>career interest area</b> and play <a href="mailto:me3@ASU">me3@ASU</a>.</li> </ul>
 MAT 142: College Mathematics (MA)	3	C	
HST 130: The Historian's Craft	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	16		
Term 2 16 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> <li>Apply for an identify verified print (IVP) <b>fingerprint clearance card</b>.</li> <li>Your IVP fingerprint card will be needed for professional classroom experiences.</li> </ul>
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G)	3	C	
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	17		
Term 3 33 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G)	3	C	

HST 109: United States to 1865 ((HU or SB) & H) OR 3 C  
 HST 110: United States Since 1865 (SB & H)

TEL 270: Professional Educator Series: Connecting Research to Practice 1

Complete Mathematics (MA) requirement.

Term hours subtotal: 13

Term 4 46 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including foundational coursework, to progress into the professional pathways program.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)	4	C	
⚠ Milestone: Complete online Intent to Progress form (meet with advisor).			
⚠ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 60 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• GCU 113 meets the US and AZ constitution requirement for teacher certification.</li> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Upper Division Non-U.S. History	3	C	
Elective (GCU 113 OR GCU 114 recommended)	3		
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
HST 480: Methods of Teaching History: Classroom Resources OR SED 480: Special Methods of Teaching Social Studies	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
Upper Division U.S. History	3	C	
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 496: Clinical Experience III	1	C	
HST 481: Methods of Teaching History: Community Resources	3	C	

HST 495: Methods of Historical Inquiry (L)	3	C
RDG 323: Literacy Processes in Content Areas	3	C
SED 322: Classroom Leadership in Secondary Schools (L)	3	C
Upper Division U.S. History or Non-U.S. History AND Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16

- During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.
- Students seeking teacher certification must pass required **educator exams**.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	• Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Hide Course List(s)/Track Group(s)

U.S. History	Non-U.S. History
AMS 412: The Bill of Rights and the US Supreme Court (H)	HST 302: Studies in History , Envisioning Peace , Gender and Sexuality in Islam , History of the Olympic Movement , Jews, Christians & Muslims in Early Modern World , Jews, Christians & Muslims in the Medieval World , Slavery Systems in Africa , The Mexico City 1968 Olympics in Global Context
HST 306: Studies in United States History	HST 303: Studies in Asian History
HST 314: American Cultural History Since 1865 ((HU or SB) & H)	HST 304: Studies in European History
HST 315: Political History of the U. S. (SB & H)	HST 305: Studies in Latin American History
HST 316: 20th-Century U.S. Foreign Relations (SB & H)	HST 309: Exploration and Empire ((L or HU) & H)
HST 317: History of Postwar U.S. Conservatism	HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H)
HST 318: History of Engineering ((L or SB) & G)	HST 336: Islamic Civilization (HU & H)
HST 320: U.S. Urban History since 1850 (SB & H)	HST 339: Islam in the Modern World (HU & G)
HST 321: Constitutional History/US to 1865 (SB & H)	HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)
HST 322: Constitutional History of the United States Since 1865 (H)	HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)
HST 323: Historical Studies in Race, Crime, and the Law	HST 348: Rome (SB & H)
HST 325: Immigration and Ethnicity in the United States (SB & H & C)	HST 349: Early Middle Ages ((HU or SB) & H)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)	HST 350: Later Middle Ages ((HU or SB) & H)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)	

HST 329: Women in 20th-Century U.S. West (H & C)	HST 351: Renaissance Europe ((L or HU or SB) & H)
HST 331: Mexican American History to 1900 (SB & H & C)	HST 352: Europe's Reformations ((L or HU or SB) & H)
HST 332: Mexican American History Since 1900 (SB & H & C)	HST 353: Old Regime in Europe (SB & H)
HST 333: African American History to 1865 (SB & H & C)	HST 354: Revolutionary Europe (SB & H)
HST 334: African American History Since 1865 ((HU or SB) & C & H)	HST 355: Total War and the Crisis of Modernity (SB & G & H)
HST 335: History of Black Women in America (SB & H)	HST 356: Europe since 1945 (SB & G & H)
HST 337: American Indian History to 1900 ((HU or SB) & C & H)	HST 358: Jewish History from Antiquity to 1492 (SB & H)
HST 338: American Indian History since 1900 ((HU or SB) & C & H)	HST 359: Jewish History from 1492 to 1948 (SB & G & H)
HST 340: American Military History (SB & H)	HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)
HST 341: U.S. West 19th Century (SB & H)	HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)
HST 342: U.S. West 20th Century (SB & H)	HST 362: Sex and Society in Classical and Medieval Europe (SB & H)
HST 343: American Southwest ((L or SB) & H)	HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)
HST 344: Arizona (SB & H)	HST 364: Sex and Society in Modern Europe ((L or SB) & H)
HST 345: Environmental History (L)	HST 365: World Wars I and II: Europe's Eastern Front
HST 405: Colonial American History to 1763 (SB & H)	HST 366: England to 1689 (SB & H)
HST 406: American Revolution/1763-1789 (SB & H)	HST 367: Modern Britain (SB & H)
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H)	HST 368: Culture and Imagination in European History (HU & H)
HST 408: Civil War and Reconstruction ((L or SB) & H)	HST 369: History and Memory of the Holocaust
HST 409: Emergence Modern U.S. 1877-1918 (SB & H)	HST 370: Eastern Europe in Transition (SB & G & H)
HST 412: Contemporary U.S., 1973- Present (SB & H)	HST 372: Modern Middle East (SB & G & H)
HST 413: Contemporary America ((L or SB) & H)	HST 373: Roman History I: Foundations and Republic
HST 414: Political History and Leadership	HST 374: Roman History II: The Roman Empire
HST 419: 20th Century Chicano/a History (C)	HST 375: Colonial Latin America (SB & H)
HST 443: The United States and Latin America (SB & G & H)	HST 376: Modern Latin America (SB & G & H)
HST 448: Mexican/U.S. Border	HST 383: China (SB & H)

HST 449: Mexican Immigration to the U.S.  
(L or SB) & H & C

HST 456: The Vietnam War (SB & G & H)

HST 384: Modern China: 1700 to the Present  
(SB & G & H)

HST 385: History of Chinese Medicine (HU &  
H & G)

HST 386: Interpreting China's Classics ((L or  
HU) & H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and Values/Premod

HST 391: Modern Southeast Asia (SB & G &  
H)

HST 392: Modern India

HST 397: Greece and Rome at War

HST 404: Conquest and Encounters in  
Colonial Latin America (L & G)

HST 419: 20th Century Chicano/a History (C)

HST 423: The Tudor Monarchy (SB & H)

HST 424: The Stuart Monarchy (SB & H)

HST 426: The British Empire (H)

HST 427: French Revolution/Napoleonic Era  
(SB & H)

HST 429: Modern Germany (SB & G & H)

HST 430: The Ottoman Empire in the  
Classical Period

HST 432: Eastern Europe the Balkans, 20th  
Century (G & H)

HST 435: The Russian Empire (SB & H)

HST 436: Rise & Fall of Soviet Communism  
(SB & G & H)

HST 438: Modern Spain ((HU or SB) & G &  
H)

HST 439: Athenian Democracy (H)

HST 441: Latin America and the World  
Economy (L & G & H)

HST 443: The United States and Latin  
America (SB & G & H)

HST 444: Latin American Independence ((L  
or HU) & G)

HST 445: 20th-Century Cuba (SB & G & H)

HST 447: Modern Mexico (SB & H)

HST 448: Mexican/U.S. Border

HST 451: Chinese Cultural History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB & G & H)

HST 454: History of Genocide (G & H)

HST 459: Gandhi and the Politics of Nonviolence

HST 465: Women in Europe, 1750 to Present ((HU or SB) & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.




## 2021 - 2022 Major Map




### Secondary Education (Mathematics), BAE




School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus, Tempe campus, West campus

TEMATBAE





Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the professional pathways program.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	14		



Term 2 14 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Apply for an identify verified print (IVP) <b>fingerprint clearance card</b> online.</li> <li>Your IVP fingerprint card will be needed for professional classroom experiences.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	18		



Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
MAT 207: Algebra and Geometry in the High School AND MTE 210: Mentored Tutoring Internship OR MAT 208: Discrete Mathematics for Secondary Teachers OR MAT 243: Discrete Mathematical Structures	3-4	C	

Complete Mathematics (MA) requirement.

Term hours subtotal: 14-15

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including foundational coursework, to progress into the professional pathways program.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
MAT 300: Mathematical Structures (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)	4	C	
 Milestone: Complete online Intent to Progress form (meet with advisor).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
MAT 310: Introduction to Geometry	3	C	
SED 464: Middle-School Curr/Org	3	C	
STP 420: Introductory Applied Statistics (CS)	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes	
 SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Two methods courses are required for graduation - see advisor for other possible course options.</li> <li>• MTE 494 is typically offered in Tempe in the spring term.</li> <li>• MTE 482 is typically offered at West campus in the spring term.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>	
BLE 407: SEI for Secondary Students (L)	3	C		
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra OR MAT 275: Modern Differential Equations (MA) OR MAT 371: Advanced Calculus I	3	C		
MTE 482: Methods of Teaching Mathematics in Secondary School OR MTE 494: Advanced Methods of Tchng Mthmtics in Scndry Schls	3	C		
SPE 417: Inclusion Practices at the Secondary Level	3	C		
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H)	3			
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).				
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:		16		

Term 7 92 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SED 496: Clinical Experience III	1	C	



MTE 482: Methods of Teaching Mathematics in Secondary School OR MTE 494: Advanced Methods of Tchng Mthmtics in Scndry Schls	3	C
RDG 323: Literacy Processes in Content Areas	3	C
SED 322: Classroom Leadership in Secondary Schools (L)	3	C
Elective ( GCU 113 recommended)	3	
Elective ( MAT 443 OR MAT 445 OR MAT 451 OR MAT 485 recommended)	3	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- GCU 113 meets the US and AZ constitution requirement for teacher certification.
- During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.
- MTE 482 is typically taught in Tempe in the fall term.
- MTE 494 is typically taught at West campus in the fall term.
- Students seeking teacher certification must pass required **educator exams**. Please speak with your advisor to plan appropriately.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12) Minimum 2.50 GPA ASU Cumulative.	12	C	• Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Secondary Education (Physical Education), **BAE**

School/College: Mary Lou Fulton Teachers College

Location: Polytechnic campus

ECPPEBAE

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b></li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Term hours subtotal:	17		
Term 2 17 - 33 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
BIO 201: Human Anatomy and Physiology I (SG)	4	C	
PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health	2		
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	16		
Term 3 33 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
BIO 202: Human Anatomy and Physiology II (SG)	4	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	

Complete 2 courses:

PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health 4

TEL 270: Professional Educator Series: Connecting Research to Practice 1

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 48 - 63 Credit Hours <b>Critical course signified by</b> ⚠	Hours	Minimum Grade	Notes
⚠ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• GCU 113 meets the US and AZ constitution requirement for teacher certification.</li> <li>• Must complete at least 60 credits, including foundational coursework, to progress into upper-division.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health	2		
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Historical Awareness (H) ( GCU 113 recommended)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
⚠ Minimum 2.50 GPA ASU Cumulative.			
⚠ Milestone: Complete online Intent to Progress form (meet with advisor).			
Term hours subtotal:	15		

Term 5 63 - 80 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PPE 396: Clinical Experience in Physical Education: Elementary	2	C	<ul style="list-style-type: none"> <li>• Become a member of the <b>Arizona Health &amp; Physical Education State Association</b></li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
PPE 300: Introduction to Physical Education, Fitness and Sport	3	C	
PPE 315: Pediatric Movement Sciences for Physical Educators	3	C	
PPE 450: Physical Education for the Elementary School	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 80 - 94 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
★ PPE 397: Clinical Experience: Physical Education Secondary (Grades 6-12)	2	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual <b>practice interview</b></li> </ul>
PPE 320: Exercise Physiology Concepts for Physical Educators	3	C	
PPE 455: Physical Education in the Secondary School	3	C	
PPE 460: Adapted and Inclusive Physical Education	3	C	
RDG 323: Literacy Processes in Content Areas	3	C	
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 7 94 - 106 Credit Hours <b>Necessary course signified by</b> ★	Hours	Minimum Grade	Notes
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★ PPE 477: Student Teaching: Physical Education Elementary (Grades 1-8)	6	C
PPE 480: Professional Seminar for Physical Education	3	C
Elective	3	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	12	

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PPE 478: Student Teaching: Physical Education Secondary (Grades 6-12)	5	C	
PPE 465: Teaching Physical Activity Concepts (L)	3	C	
PPE 485: Physical Activity Leadership in Schools	3	C	
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.










## 2021 - 2022 Major Map

### Secondary Education (Physics), BAE






School/College: [Mary Lou Fulton Teachers College](#)



Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)





EDPHYBAE



Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the professional pathways program.</li> <li>Select your <a href="#">career interest communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	14		
Term 2 14 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Apply for your identity verified print (IVP)<a href="#">fingerprint clearance card</a>online.</li> <li>Your IVP fingerprint card will be needed for professional classroom experiences.</li> <li>Join a <a href="#">student club</a> or professional organization</li> </ul>
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) OR PHY 150: Physics I (SQ)	4	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	18		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) OR PHY 151: Physics II (SQ)	4	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a>.</li> </ul>
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	

MAT 272: Calculus with Analytic Geometry III (MA)	4	C
TEL 270: Professional Educator Series: Connecting Research to Practice	1	
Complete Mathematics (MA) requirement.		
Term hours subtotal:	15	

Term 4 47 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 PHY 201: Mathematical Methods in Physics I (CS)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including foundational coursework, to progress into the professional pathways program.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
BLE 220: Foundations of Structured English Immersion (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Milestone: Complete online Intent to Progress form (meet with advisor).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• GCU 113 meets the US and AZ constitution requirement for teacher certification.</li> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
PHY 302: Mathematical Methods in Physics II	3	C	
PHY 361: Introductory Modern Physics	3	C	
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Elective ( GCU 113 recommended)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours <b>Critical course signified by</b>  <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
PHY 333: Electronic Circuits and Measurements	3	C	
SES 480: Teaching Earth and Space Sciences OR PHY 480: Methods of Teaching Physics OR PHY 494: Teaching Physical Science	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SED 496: Clinical Experience III	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> </ul>
RDG 323: Literacy Processes in Content Areas	3	C	
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	

SED 482: Science Teaching Methods for Secondary Schools	3	C
PHY Upper Division Elective	6	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- Students seeking teacher certification must pass required **educator exams**. Please speak with your advisor to plan appropriately.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	• Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Secondary Education (Political Science), BAE





School/College: Mary Lou Fulton Teachers College



Location: Polytechnic campus, Tempe campus, West campus




TEPOLBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the professional pathways program.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB)	3	C	
MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	16		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Apply for an identity verified print (IVP)<b>fingerprint clearance card</b>online.</li> <li>Your IVP fingerprint card will be needed for professional classroom experiences.</li> <li>Join a <b>student club</b> or professional organization</li> </ul>
 POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G)	3	C	
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	16		
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b>.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	

POS 210: Political Ideologies (SB)	3	C
TEL 270: Professional Educator Series: Connecting Research to Practice	1	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)	4	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

Term 4 46 - 60 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including foundational coursework, to progress into the professional pathways program.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
POS Elective	3	C	
Natural Science - Quantitative (SQ)	4	C	
 Milestone: Complete online Intent to Progress form (meet with advisor).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 60 - 76 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• GCU 113 meets the US and AZ constitution requirement for teacher certification.</li> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
POS Upper Division Elective	6	C	
Elective (GCU 113 OR GCU 114 recommended)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 76 - 92 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• POS 417 is recommended as an upper division POS elective since it meets the Arizona constitution requirement for teacher certification.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
POS 301: Empirical Political Inquiry (SB)	3	C	
SED 480: Special Methods of Teaching Social Studies	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
 Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 92 - 108 Credit Hours <b>Necessary course signified by</b> 	Hours	Minimum Grade	Notes
 SED 496: Clinical Experience III	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> </ul>
HST 481: Methods of Teaching History: Community Resources	3	C	
RDG 323: Literacy Processes in Content Areas	3	C	
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	

POS Upper Division Elective	3	C
Elective	3	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

- Students seeking teacher certification must pass required **educator exams**. Please speak with your advisor to plan appropriately.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		• Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.






## 2021 - 2022 Major Map





### Secondary Education (Spanish), BAE



School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#)

TESPABAE

Term 1 0 - 17 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Language Placement exam required. For more information, please see <a href="#">ASU Language Placement Testing</a>.</li> <li>Consult with advisor regarding registration in appropriate Spanish course based on test scores.</li> <li>Please note that by the end of term 4, you must have a minimum 2.50 cumulative GPA in order to progress into the professional pathways program.</li> <li>Select your <a href="#">career interest communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 MAT 142: College Mathematics (MA)	3	C	
 SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (G)	4	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	17		

Term 2 17 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Apply for an identity verified print (IVP) <a href="#">fingerprint clearance card</a> online.</li> <li>Your IVP fingerprint card will be needed for professional classroom experiences.</li> <li>Join a <a href="#">student club</a> or professional organization</li> </ul>
 SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (G)	4	C	
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	14		

Term 3 31 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a>.</li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	

SLC 201: Introduction to Linguistics (HU or SB)	3	C
TEL 270: Professional Educator Series: Connecting Research to Practice	1	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)	4	C
❖ Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

Term 4 45 - 62 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete at least 60 credits, including foundational coursework, to progress into the professional pathways program.</li> <li>• Meet with your advisor to submit intent to progress early in Term 4.</li> <li>• Attendance is required at an orientation prior to registration for Term 5.</li> <li>• GCU 113 meets the US and AZ constitution requirement for teacher certification.</li> <li>• Develop your <b>professional online presence</b>.</li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Natural Science - Quantitative (SQ)	4	C	
Historical Awareness (H) (GCU 113 recommended)	3		
❖ Milestone: Complete online Intent to Progress form (meet with advisor).			
❖ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 5 62 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Reliable transportation is required to get to school sites in terms 5-8.</li> </ul>
SED 464: Middle-School Curr/Org	3	C	
SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C)	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Elective (SPA 325 recommended)	3		
Elective	4		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 79 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 397: Clinical Experience II	1	C	<ul style="list-style-type: none"> <li>• During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.</li> <li>• Complete an in person or virtual <b>practice interview</b>.</li> </ul>
BLE 407: SEI for Secondary Students (L)	3	C	
SED 403: Secondary Principles, Curriculum and Methods	3	C	
SPA 412: Advanced Conversation and Composition (G)	3	C	
SPA 413: Spanish Grammar in Context (G)	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 95 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
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★ SED 496: Clinical Experience III	1	C
RDG 323: Literacy Processes in Content Areas	3	C
SED 322: Classroom Leadership in Secondary Schools (L)	3	C
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) OR SPA 472: Latin American Society: Five Case Studies (HU & H & G) OR SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)	3	C
Elective	3	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		13

- During your clinical experience internship, you will work alongside a lead teacher, in a 6-12th grade classroom.
- Students seeking teacher certification must pass required **educator exams**. Please speak with your advisor to plan appropriately.
- Use Handshake to research **employment opportunities**.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching: Secondary Education (Grades 6-12)	12	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

- Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.








## 2021 - 2022 Major Map

### Special Education (Visual Impairment), BAE

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Tempe campus](#), [West campus](#)

TESPEVIBAE

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <a href="#">Career Interest Communities</a> and play <a href="#">me3@ASU</a>.</li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		
Term 2 13 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <a href="#">student club</a> or professional organization</li> </ul>
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Humanities, Arts and Design (HU) ( RDG 291 recommended)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	17		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <a href="#">skills</a></li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching	3	C	

TEL 270: Professional Educator Series: Connecting Research to Practice	1
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)	4
Complete Mathematics (MA) requirement.	
Term hours subtotal:	14

Term 4 44 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete 60 credits including foundational courses to progress into upper division coursework.</li> <li>• Develop your professional online presence</li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Global Awareness (G)	3		
Historical Awareness (H) (GCU 113 recommended)	3		
Elective	3		
⚠ Milestone: Complete online Intent to Progress form (meet with advisor).			
⚠ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 433: Language Method Management and Assessment	3	C	
★ SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth	3	C	
★ SPE 396: Clinical Experience I	2	C	
EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
SPE 443: Foundations of Instruction for Students with Visual Impairments	3	C	
SPE 445: Orientation and Mobility for Teachers of the Visually Impaired	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPE 323: Behavioral Strategies for All Students	3	C	<ul style="list-style-type: none"> <li>• Complete an in person or virtual practice interview</li> </ul>
★ SPE 325: Language Literacy 1 in Elementary Schools	3	C	
★ SPE 397: Clinical Experience II	2	C	
★ SPE 410: Mathematics in Elementary Schools	3	C	
SPE 441: Reading and Writing Braille	3	C	
SPE 442: Teaching Methodologies for Students with Visual Impairments	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

		Minimum	
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Term 7 94 - 111 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ SPE 321: Classroom and SPE Assessment	3	C	
★ SPE 423: Methods of Cross-Categorical Special Education I	3	C	
★ SPE 424: Methods of Cross-Categorical Special Education II	3	C	
SPE 444: Diagnostic and Assessment: Procedures for the Visually Impaired	3	C	
SPE 446: Modes of Communication	3	C	
SPE 496: Clinical Experience III	2	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 8 111 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPE 430: Professional Practices, Foundations, and Collaborative Teaching in Special Education (L)	3	C	
★ SPE 447: Student Teaching for Teachers of the Visually Impaired	6	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	9		

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition








General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Special Education and Elementary Education, **BAE**

School/College: [Mary Lou Fulton Teachers College](#)

Location: [Polytechnic campus](#), [Tempe campus](#), [West campus](#), [ASU@Northeastern Arizona](#), [ASU@The Gila Valley](#), [ASU@Yuma](#)  
TESPEBAE

Term 1 0 - 13 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA)	3	C	
TEL 101: Professional Educator Series: The Student Experience	1		
TEL 111: Exploration of Education (SB)	3	C	
TEL 208: Literacy in a Changing World (HU)	3	C	
Term hours subtotal:	13		
Term 2 13 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
TEL 171: Professional Educator Series: Equity in Education	1		
TEL 212: Understanding the Culturally Diverse Learner (C)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Humanities, Arts and Design (HU) ( RDG 291 recommended)	3		
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.			
Term hours subtotal:	17		
Term 3 30 - 44 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts	3	C	<ul style="list-style-type: none"> <li>Develop your <b>skills</b></li> </ul>
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)	3	C	
MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching	3	C	

TEL 270: Professional Educator Series: Connecting Research to Practice	1	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)	4	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

Term 4 44 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	<ul style="list-style-type: none"> <li>• Must complete 60 credits, including foundational courses, to progress into upper-division education coursework.</li> <li>• Develop your <b>professional online presence</b></li> </ul>
BLE 220: Foundations of Structured English Immersion (L)	3	C	
TEL 271: Professional Educator Series: Inclusivity in Practice	1		
Global Awareness (G)	3		
Historical Awareness (H) (GCU 113 recommended)	3		
Elective	3		
⚠ Milestone: Complete online Intent to Progress form (meet with advisor).			
⚠ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 60 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
★ EED 396: Clinical Experience I OR SPE 396: Clinical Experience I	2	C	
★ EED 411: Science in Elementary Schools	3	C	
★ EED 433: Language Method Management and Assessment	3	C	
★ MTE 311: Geometry, Algebra, Statistics and Probability for K-8 Teaching	3	C	
★ SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth OR BLE 408: SEI for Linguistically Diverse Learners (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 324: Social Studies in Elementary Schools	3	C	<ul style="list-style-type: none"> <li>• Complete an in-person or virtual <b>practice interview</b></li> </ul>
★ EED 397: Clinical Experience II OR SPE 397: Clinical Experience II	2	C	
★ SCN 400: Sustainability Science for Teachers	3	C	
★ SPE 323: Behavioral Strategies for All Students	3	C	
★ SPE 325: Language Literacy 1 in Elementary Schools OR RDG 322: Language Literacy 1 in Elementary Schools	3	C	
★ SPE 410: Mathematics in Elementary Schools OR EED 412: Mathematics in Elementary Schools	3	C	
★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 7 94 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 478: Student Teaching: Elementary School (Grades 1-8)	8	C	
★ SPE 321: Classroom and SPE Assessment	3	C	
★ SPE 411: Family Involvement and Regulatory Issues	3	C	
★ SPE 423: Methods of Cross-Categorical Special Education I	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 8 111 - 125 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPE 424: Methods of Cross-Categorical Special Education II	3	C	
★ SPE 430: Professional Practices, Foundations, and Collaborative Teaching in Special Education (L)	3	C	
★ SPE 478: Student Teaching: Special Education (Grades K-8)	8	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 125

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition









General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Exploratory Health and Life Sciences

School/College: [University College](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [Tempe campus](#), [ASU@Lake Havasu](#)  
[UCHSCIEXP](#)

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
UNI 150: Major and Career Exploration	1	C	
Humanities, Arts and Design (HU)	3		
Mathematics (MA)	3	C	
Term hours subtotal:	15		
Term 2 15 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 UNI 250: Choosing a Major	1	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or volunteer experience.</li> </ul>
UNI 270: Career Direction for a Successful Future	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	1		

◆ Complete Mathematics (MA) requirement.

Milestone: Selection of a major.

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.















## 2021 - 2022 Major Map

### Exploratory Health and Life Sciences

School/College: [University College](#)





Location: [Online, ASU Local@Los Angeles](#)

UCHSCIEXPL

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
ASU 101-UC: The ASU Experience	1		
Mathematics (MA) ( MAT 142 recommended)	3	C	
Term hours subtotal:	7		
Term 1 - B 7 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
 Natural Science - Quantitative (SQ)	4	C	
UNI 150: Major and Career Exploration	1	C	
Term hours subtotal:	8		
Term 2 - A 15 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 UNI 250: Choosing a Major	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	7		
Term 2 - B 22 - 30 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
Humanities, Arts and Design (HU)	3		
Elective	1		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	8		
Term 3 - A 30 - 37 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		

UNI 270: Career Direction for a Successful Future	1	C
Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	7	

- Secure a part-time job or volunteer experience.

Term 3 - B 37 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
Elective	1		
 Complete Mathematics (MA) requirement.			
Milestone: Selection of a major.			
Term hours subtotal:	8		

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition













General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Exploratory Humanities, Fine Arts and Design

School/College: [University College](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [Tempe campus](#), [ASU@Lake Havasu](#)  
UCHUFAEXPL

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Humanities, Arts and Design (HU)	3	C	
ASU 101-UC: The ASU Experience	1		
UNI 150: Major and Career Exploration	1	C	
Mathematics (MA)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 UNI 250: Choosing a Major	1	C	
 Humanities, Arts and Design (HU)	3	C	
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
UNI 270: Career Direction for a Successful Future	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			

Milestone: Selection of a major.

Term hours subtotal: 17

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 48

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.











## 2021 - 2022 Major Map

### Exploratory Humanities, Fine Arts and Design



School/College: [University College](#)

Location: [Online, ASU Local@Los Angeles](#)

UCHUFAEXPL

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college specific equivalent First Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Humanities, Arts and Design (HU)	3	C	
ASU 101-UC: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
UNI 150: Major and Career Exploration	1	C	
Social-Behavioral Sciences (SB)	3	C	
Term hours subtotal:	7		
Term 2 - A 14 - 21 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 UNI 250: Choosing a Major	1	C	
 Humanities, Arts and Design (HU)	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	7		
Term 2 - B 21 - 27 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization</li> </ul>
Global Awareness (G)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 35 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3	C	
UNI 270: Career Direction for a Successful Future	1	C	
Natural Science - Quantitative (SQ)	4		

Term hours subtotal: 8

Term 3 - B 35 - 42 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		• Secure a part-time job or volunteer experience
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:		7	

Term 4 - A 42 - 48 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Milestone: Selection of a major.			
Term hours subtotal:		6	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 48  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.












## 2021 - 2022 Major Map

### Exploratory Math, Physical Sciences, Engineering and Technology

School/College: [University College](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [Tempe campus](#)

UCEMTPEXPL

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play me3@ASU.</li> </ul>
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I			
 (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)	3-4	C	
ASU 101-UC: The ASU Experience	1		
UNI 150: Major and Career Exploration	1	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15-16		
Term 2 15 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I			
 (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)	3-4	C	
 UNI 250: Choosing a Major	1	C	
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14-15		
Term 3 29 - 45 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR  
 MAT 171: Precalculus: Science, Technology, Engineering and

- Secure a part-time job or volunteer experience.

<p>❖ Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)</p>	3-4	C
UNI 270: Career Direction for a Successful Future	1	C
Computer/Statistics/Quantitative Applications (CS)	3	
Humanities, Arts and Design (HU)	3	
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Complete Mathematics (MA) requirement.		
Milestone: Selection of a major.		
Term hours subtotal:		16-17

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition



General Studies designations listed on the major map are current for the 2021 - 2022 academic year.














## 2021 - 2022 Major Map

### Exploratory Math, Physical Sciences, Engineering and Technology

School/College: [University College](#)

Location: [Online, ASU Local@Los Angeles](#)

UCEMTPEXPL

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or college-specific equivalent First Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)  OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA)	3	C	
ASU 101-UC: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
 Natural Science - Quantitative (SQ)	4		
UNI 150: Major and Career Exploration	1	C	
Term hours subtotal:	8		
Term 2 - A 15 - 22 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR  MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA)	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
UNI 250: Choosing a Major	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	7		
Term 2 - B 22 - 29 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 29 - 36 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes

MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA)	3	C
UNI 270: Career Direction for a Successful Future	1	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
Term hours subtotal:	7	

Term 3 - B 36 - 42 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		• Secure a part-time job or volunteer experience.
Humanities, Arts and Design (HU)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 42 - 45 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Milestone: Selection of a major.			
Term hours subtotal:	3		

Hide Course List(s)/Track Group(s)

Notes:

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

**Total Hours:** 45

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition













General Studies designations listed on the major map are current for the 2021 - 2022 academic year.

## 2021 - 2022 Major Map

### Exploratory Social and Behavioral Sciences

School/College: [University College](#)

Location: [Downtown Phoenix campus](#), [Polytechnic campus](#), [Tempe campus](#), [ASU@Lake Havasu](#)  
UCSBSEXPL

Term 1 0 - 15 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required for all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Social-Behavioral Sciences (SB)	3	C	
ASU 101-UC: The ASU Experience	1		
UNI 150: Major and Career Exploration	1	C	
Mathematics (MA)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 UNI 250: Choosing a Major	1	C	
 Social-Behavioral Sciences (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 48 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
UNI 270: Career Direction for a Successful Future	1	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			

Milestone: Selection of a major.

Term hours subtotal: 17

Hide Course List(s)/Track Group(s)

**Notes:**

- **First-Year Composition:** All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- **Mathematics Placement Assessment** score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 48

**Upper Division Hours:** 45 minimum

**Major GPA:** 2.00 minimum

**Cumulative GPA:** 2.00 minimum

**Total hrs at ASU:** 30 minimum

**Hrs Resident Credit for**

**Academic Recognition:** 56 minimum

**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.









## 2021 - 2022 Major Map

### Exploratory Social and Behavioral Sciences




School/College: [University College](#)

Location: [Online, ASU Local@Los Angeles](#)

UCSBSEXPL

Term 1 - A 0 - 7 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>ASU 101 or College specific equivalent First Year Seminar required of all first-year students.</li> <li>Select your <b>career interest communities</b> and play <b>me3@ASU</b>.</li> </ul>
 Social-Behavioral Sciences (SB)	3	C	
ASU 101-UC: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 7 - 14 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> <li>View ASU Online first-year student registration information <a href="#">here</a>.</li> </ul>
UNI 150: Major and Career Exploration	1	C	
Humanities, Arts and Design (HU)	3	C	
Term hours subtotal:	7		
Term 2 - A 14 - 21 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 UNI 250: Choosing a Major	1	C	<ul style="list-style-type: none"> <li>Join a <b>student club</b> or professional organization.</li> </ul>
 Social-Behavioral Sciences (SB)	3	C	
Mathematics (MA) ( MAT 142 recommended)	3		
Term hours subtotal:	7		
Term 2 - B 21 - 27 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 35 Credit Hours	Hours	Minimum Grade	Notes
UNI 270: Career Direction for a Successful Future	1	C	<ul style="list-style-type: none"> <li>Secure a <b>part-time job</b> or <b>volunteer experience</b>.</li> </ul>
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		

Term hours subtotal: 8

Term 3 - B 35 - 41 Credit Hours <b>Critical course signified by</b> 	Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:		6	

Term 4 - A 41 - 48 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Milestone: Selection of a major.			
Term hours subtotal:		7	

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: <https://cisa.asu.edu/DSP>
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 48  
**Upper Division Hours:** 45 minimum  
**Major GPA:** 2.00 minimum  
**Cumulative GPA:** 2.00 minimum  
**Total hrs at ASU:** 30 minimum  
**Hrs Resident Credit for Academic Recognition:** 56 minimum  
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2021 - 2022 academic year.



# Pathway Agreement



Print


**Maricopa Community College District**  
**Accountancy, BS Pathway**  
**2021-2022**

ASU Major: **Accountancy, BS | W. P. Carey School of Business**

## Pathway Requirements



First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR   3-4 hrs


MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I


CIS 105: Survey of Computer Information  
 Systems   3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles  3 hrs

ECN 212: Microeconomic Principles  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.






Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all special requirements satisfies the requirements for the MCCCDC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

Historical or Global Awareness [H] or [G]	0-3 hrs		
ABUS Business Electives	3-6 hrs		Select two courses (6 hours) from the following: CIS 114DE, CIS 133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. Select in consultation with a Maricopa Advisor. IBS 101 or SBU 200 can be shared with Global Awareness.
<b>Additional Lower Division Requirements</b>			
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs		
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR			
ACC 211: Financial Accounting and ACC 212: Managerial Accounting			
GBS 221: Business Statistics	3 hrs		
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs		
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs		
PSY course	3 hrs		Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC course	3 hrs		Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-5 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete the community college associate degree requirements.

Total Required Credits: 64





# Pathway Agreement

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## Maricopa Community College District Aerospace Engineering (Aeronautics), BSE Pathway 2021-2022

ASU Major: [Aerospace Engineering \(Aeronautics\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements





First-Year Composition [FYC] ENG 101: First-Year Composition OR ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition OR ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	0-3 hrs	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities, Arts, and Design, COM, or CRE 101 requirements simultaneously.
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Mathematical Studies [MA] MAT 221: Calculus with Analytic Geometry I or MAT 220: Calculus with Analytic Geometry I	4-5 hrs  
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Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement(s).
Humanities, Arts, and Design [HU]	3 hrs	

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement(s).
Social-Behavioral Science [SB]	3 hrs	

Natural Science [SQ, SG] PHY 121: University Physics I: Mechanics or PHY 115: University Physics I	4-5 hrs  
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  

Subject Options MAT 231: Calculus with Analytic Geometry II or MAT 230: Calculus with Analytic Geometry II	4-5 hrs 
MAT 241: Calculus with Analytic Geometry III or MAT 240: Calculus with Analytic Geometry III	4-5 hrs 

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Engineering degree and AGECE-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Aerospace Engineering (Aeronautics), BSE degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Aerospace Engineering (Aeronautics), BSE degree program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A maximum of 64 credit hours will transfer to Arizona State University.




Students interested in completing the BSE Aerospace Engineering (Aeronautics) degree with two additional years at ASU, must complete MAE 242 (Intro to Fluid Mechanics) and MAE 384 through concurrent enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480) 965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

Cultural Diversity in the U.S. [C]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.

#### MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: PUBLIC SPEAKING or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151AA: General Chemistry I AND  CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II	0-9 hrs  	Satisfies the CHM 114 requirement at ASU. If not completed at Maricopa, CHM 114 must be completed at ASU through concurrent enrollment or in the summer prior to admission to ASU.
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Problem Solving and Design AND  ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 105: MATLAB Programming OR  CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	1-4 hrs	
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La	3 hrs	
EEE 202: Circuits and Devices	5 hrs	
MAT 225: Elementary Linear Algebra	3 hrs	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs	
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 66





# Pathway Agreement

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## Maricopa Community College District Aerospace Engineering (Astronautics), BSE Pathway 2021-2022


ASU Major: [Aerospace Engineering \(Astronautics\), BSE | Ira A. Fulton Schools of Engineering](#)


### Pathway Requirements



<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs





<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs	Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Science, Humanities, Arts, and Design, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 221: Calculus with Analytic Geometry I or MAT 220: Calculus with Analytic Geometry I	  4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement(s).
Humanities, Arts, and Design [HU]	 3 hrs	

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement(s).
Social-Behavioral Science [SB]	 3 hrs	

<b>Natural Science [SQ, SG]</b> PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	 4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	 4-5 hrs

<b>Subject Options</b> MAT 231: Calculus with Analytic Geometry II or MAT 230: Calculus with Analytic Geometry II	  4-5 hrs
MAT 241: Calculus with Analytic Geometry III or MAT 240: Calculus with Analytic Geometry III	  4-5 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Engineering degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Aerospace Engineering (Astronautics), BSE degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Aerospace Engineering (Astronautics), BSE degree program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A maximum of 64 credit hours will transfer to Arizona State University.



Students interested in completing the BSE Aerospace Engineering (Astronautics) degree with two additional years at ASU, must complete MAE 242 (Intro to Fluid Mechanics) and MAE 384 through concurrent enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

Cultural Diversity in the U.S. [C]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: PUBLIC SPEAKING or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I AND  CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II	0-9 hrs 	Satisfies the CHM 114 requirement at ASU. If not completed at Maricopa, CHM 114 must be completed at ASU through concurrent enrollment or in the summer prior to admission to ASU.
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND  ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 105: MATLAB Programming or CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	1-4 hrs	
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La	3 hrs	
EEE 202: Circuits and Devices	5 hrs	
MAT 225: Elementary Linear Algebra	3 hrs	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs	
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 66

# Pathway Agreement

Print

## Maricopa Community College District



### Aerospace Engineering (Autonomous Vehicle Systems), BSE Pathway



2021-2022

ASU Major: [Aerospace Engineering \(Autonomous Vehicle Systems\), BSE | Ira A. Fulton Schools of Engineering](#)


### Pathway Requirements

#### First-Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L] 0-3 hrs  Recommend selecting a course that satisfies Literacy and critical Inquiry, Social-Behavioral Sciences, Humanities, Arts, and Design, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]


MAT 221: Calculus with Analytic Geometry I or  
MAT 220: Calculus with Analytic Geometry I   4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs  Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement(s).



Humanities, Arts, and Design [HU] 3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB] 3 hrs  Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.


Social-Behavioral Science [SB] 3 hrs


#### Natural Science [SQ, SG]

PHY 121: UNIVERSITY PHYSICS I: MECHANICS or  
PHY 115: University Physics I   4-5 hrs

PHY 131: University Physics II: Electricity and Magnetism or  
PHY 116: University Physics II   4-5 hrs

#### Subject Options

MAT 230: Calculus with Analytic Geometry II or  
MAT 231: Calculus with Analytic Geometry II  4-5 hrs

MAT 240: Calculus with Analytic Geometry III or  
MAT 241: Calculus with Analytic Geometry III  4-5 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Engineering degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Aerospace Engineering (Autonomous Vehicle Systems), BSE degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Aerospace Engineering (Autonomous Vehicle Systems), BSE degree program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A maximum of 64 credit hours will transfer to Arizona State University.




Students interested in completing the BSE Aerospace Engineering (Autonomous Vehicle Systems) degree with two additional years at ASU, must complete MAE 242 (Intro to Fluid Mechanics) and MAE 384 through concurrent enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

Cultural Diversity in the U.S. [C]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: PUBLIC SPEAKING or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I AND  CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II	0-9 hrs  	Satisfies the CHM 114 requirement at ASU. If not completed at Maricopa, CHM 114 must be completed at ASU through concurrent enrollment or in the summer prior to admission to ASU.
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND  ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 105: MATLAB Programming or CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	1-4 hrs	
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
EEE 202: Circuits and Devices	5 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering Laboratory	3 hrs	
MAT 225: Elementary Linear Algebra	3 hrs	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs	
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 66






# Pathway Agreement


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**Maricopa Community College District**  
**African and African American Studies, BA Pathway**  
**2021-2022**



ASU Major: [African and African American Studies, BA](#) | College of Liberal Arts and Sciences



## Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs 
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Mathematical Studies [MA, CS] MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
Computer/Statistics/Quantitative Analysis	3 hrs 

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

Social-Behavioral Science [SB] AFR 202: Ethnic Relations in the U.S.	3 hrs 
Social-Behavioral Science [SB]	3 hrs 

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by AFR 202.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by AFR 202.

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the African and African American Studies BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

0-16 hrs

Related Area Course 0-3 hrs Select one course that transfers to ASU as a course equivalent or department elective (DEC) in the following ASU prefixes: AFS, AFR, or AFH; or select one of the following courses: ASB 202, ENH 110, ENH 114 HIS 204, HUM 214, or HUM 260. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**American Indian Studies, BS Pathway**  
**2021-2022**



ASU Major: [American Indian Studies, BS](#) | College of Liberal Arts and Sciences



## Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs		Suggest AIS 213 as a required Humanities or Literacy course.
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Mathematical Studies [MA, CS] MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs	
Computer/Statistics/Quantitative Analysis	3 hrs	

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs		Suggest AIS 213 as a required Humanities or Literacy course.
Humanities, Arts, and Design [HU]	3 hrs		

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs		Suggest taking AIS 140.
Social-Behavioral Science	3 hrs		

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs		

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs		Met by AIS 160 or SOC 160 requirement
Historical or Global Awareness [H] or [G]	0-3 hrs		Met by AIS 160 or SOC 160 requirement


MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in American Indian Studies degree and AGECE-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the American Indian Studies B.S. degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
AIS 105: Introduction to American Indian Studies or SOC 105: Introduction to American Indian Studies	3 hrs	
AIS 160: American Indian Law or SOC 160: American Indian Law	3 hrs	
Arts, Languages and Cultures Emphasis Area	0-8 hrs	
Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

Arts, Languages and Cultures Emphasis Area

Arts, Languages and Cultures Emphasis Area	
NAV 101: Elementary Navajo I or NAV 102: Elementary Navajo II	NAV 101 and 102 are not required courses. Students may choose to complete NAV 101 or 102 after transfer to ASU.

# Pathway Agreement

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**Maricopa Community College District**  
**Anthropology, BA Pathway**  
**2021-2022**


ASU Major: [Anthropology, BA](#) | [College of Liberal Arts and Sciences](#)



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics and  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


PSY 230: Introduction to Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government   3 hrs


Humanities, Arts, and Design [HU]  
 ASB 222: Buried Cities and Lost Tribes: Old  
 World or  
 ASB 223: Buried Cities and Lost Tribes: New  
 World  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 ASB 102: Introduction to Cultural  
 Anthropology  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 ASM 104: Bones, Stones, and Human Evol  4 hrs

Natural Science [SQ]  4 hrs

General Education Awareness Areas [C, H, G]


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Anthropology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Anthropology, BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by ASB 222 or ASB 223.

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

Additional Lower Division Requirements Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs		
Lower Division Elective	0-25 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60


# Pathway Agreement


[Print](#)

**Maricopa Community College District**  
**Anthropology, BS Pathway**  
**2021-2022**


ASU Major: [Anthropology, BS | The College of Liberal Arts and Sciences](#)


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L] 3 hrs

Mathematical Studies [MA, CS]  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I  4-5 hrs

MAT 206: Elements of Statistics or  
 PSY 230: Introduction to Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government  3 hrs

Humanities, Arts, and Design [HU]  
 ASB 222: Buried Cities and Lost Tribes: Old  
 World or  
 ASB 223: Buried Cities and Lost Tribes: New  
 World 3 hrs

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]  
 ASB 102: Introduction to Cultural  
 Anthropology 3 hrs

Social-Behavioral Science [SB] 3 hrs

Natural Science [SQ, SG]  
 ASM 104: Bones, Stones, and Human  
 Evolution 4 hrs

Natural Science [SQ] 4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C] 0-3 hrs

Historical or Global Awareness [H] or [G] 0 hrs Satisfied by ASB 222 or ASB 223.

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Anthropology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Anthropology, BS degree program.

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Anthropology Elective 6 hrs Select two courses (6 credits) that transfer to ASU in the ASB OR ASM prefix.

Lower Division Elective 0-18 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. Maricopa recommends ASB 100, ASM/FOR 275, GPH 210, or GPH 211.

Total Required Credits: 60



# Pathway Agreement

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## Maricopa Community College District

### Applied Biological Sciences (Applied Biological Sciences), BS Pathway

2021-2022

ASU Major: [Applied Biological Sciences \(Applied Biological Sciences\), BS | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

MAT 220 or MAT 221 is recommended for graduate school and health professions, and is required for the AS, Emphasis in Biological Sciences degree.

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I



4 hrs

BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II



4 hrs

#### Subject Options



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Applied Biological Sciences (Applied Biological Sciences) BS degree program.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs 
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs 
CHM 152AA: General Chemistry II	



#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

#### MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 may be shared with [L]. COM 100, COM 110 or COM 230 may be shared with [SB].
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR	4-8 hrs 	Students considering graduate school or health professions should complete the following: CHM 235, 235LL, 236, and 236LL (instead of CHM 230 and 230LL).
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L and CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory		
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics OR	4-8 hrs 	Students considering graduate school or health professions should complete the PHY 111 and PHY 112 sequence. All other students will complete PHY 101 and elective hours.
PHY 111: General Physics I and PHY 112: General Physics II		
Lower Division Elective	0-14 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District



### Applied Biological Sciences (Natural Resource Ecology), BS Pathway


2021-2022



ASU Major: [Applied Biological Sciences \(Natural Resource Ecology\), BS](#) | College of Integrative Sciences and Arts


#### Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   3-5 hrs

Computer/Statistics/Quantitative Applications [CS]  3 hrs



Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II or  
 BIO 182XT: General Biology (Majors) II   4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

Historical or Global Awareness [H] or [G]  0-3 hrs Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

#### Pathway Notes






Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Biological Sciences (Natural Resource Ecology), BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

MCCC Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
BIO 207: Applied Plant Taxonomy	0-3 hrs	If needed, can be taken after transfer.
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	4-5 hrs 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4 hrs 	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry	4 hrs 	
PHY 101: Introduction to Physics	4 hrs 	
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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## Maricopa Community College District Applied Biological Sciences (Preveterinary Medicine), BS Pathway 2021-2022



ASU Major: [Applied Biological Sciences \(Preveterinary Medicine\), BS](#) | College of Integrative Sciences and Arts



### Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  	MAT 220 or MAT 221 is recommended for graduate school and health professions, and is required for the AS, Emphasis in Biological Sciences degree.
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 
Social-Behavioral Science [SB]	3 hrs 

<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4 hrs  
BIO 182: General Biology (Majors) II or BIO 182XT: General Biology (Majors) II	4 hrs  

### Subject Options



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Applied Biological Sciences (Preveterinary Medicine), BS degree program.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs 
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs 
CHM 152AA: General Chemistry II	






#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

#### MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 may be shared with [L]. COM 100, COM 110 or COM 230 may be shared with [SB].
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

BIO 205: Microbiology	4 hrs 	
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory	4 hrs 	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory	4 hrs 	
PHY 111: General Physics I	4 hrs 	
PHY 112: General Physics II	4 hrs 	
Lower Division Elective	0-2 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District

### Applied Biological Sciences (Secondary Education in Biology), BS Pathway

2021-2022

ASU Major: [Applied Biological Sciences \(Secondary Education in Biology\), BS | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs

Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865



3 hrs

HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.

Social-Behavioral Science [SB]



3 hrs

EDU 222 is recommended.

#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I



4 hrs

BIO 182: General Biology (Majors) II



4 hrs

### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements



The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Secondary Education degree and AGECS-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Applied Biological Sciences (Secondary Education in Biology), BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>


### Subject Options

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	4 hrs 
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II or CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	4 hrs 



General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]

	0-3 hrs 	EDU 222 is recommended.
Global Awareness [G] or Historical Awareness [H]	0-3 hrs 	Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication OR	0-3 hrs 	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

BIO 205: Microbiology	4 hrs 	
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics OR	4-5 hrs 	Students considering Graduate school or health professions should complete PHY 111 and PHY 112, using PHY 112 in place of electives. All other students should complete PHY 101.
PHY 111: General Physics I or PHY 111AA: General Physics I		
Lower Division Elective	0-14 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).

Total Required Credits: 60



# Pathway Agreement

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## Maricopa Community College District



### Applied Biological Sciences (Sustainable Horticulture), BS Pathway


2021-2022


ASU Major: [Applied Biological Sciences \(Sustainable Horticulture\), BS](#) | College of Integrative Sciences and Arts


#### Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs

Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs GCU 113 is recommended.

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II or  
 BIO 182XT: General Biology (Majors) II   4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

Historical or Global Awareness [H] or [G]  0-3 hrs Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

#### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements







Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Biological Sciences (Sustainable Horticulture) BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

MCCC Additional Requirements

COM 100: Introduction to Human Communication OR	0-3 hrs		
COM 110: Interpersonal Communication OR			
COM 225: Public Speaking OR			
COM 230: Small Group Communication			
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

AGS 260: Soils	3 hrs		Fulfills ASU's Sustainable Horticulture Elective
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	4-5 hrs	 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II or CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	4-5 hrs	 	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Laboratory OR	4 hrs		Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 235/235LL and CHM 236/236LL sequence, using CHM 236/236LL in place of electives. All other students will complete CHM 230/230LL.
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory			
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics OR	4-5 hrs		Students considering graduate school or health professions should complete the PHY 111/111AA and PHY 112 sequence, using PHY 112 in place of electives. All other students will complete PHY 101/101AA.
PHY 111: General Physics I or PHY 111AA: General Physics I			
Lower Division Elective	0-5 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Applied Computing, BS Pathway**  
**2021-2022**

ASU Major: [Applied Computing, BS | New College of Interdisciplinary Arts and Sciences](#)

## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR   3-5 hrs


MAT 220: Calculus with Analytic Geometry I  
 OR

MAT 221: Calculus with Analytic Geometry I


CSC 110: Introduction to Computer Science  
 or  
 CSC 110AA: Introduction to Computer  
 Science or  
 CSC 110AB: Introduction to Computer  
 Science  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements



Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Computing BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CSC 200: Principles of Computer Science or CSC 200AA: Principles of Computer Science(Java) or CSC 200AB: Principles of Computer Science or CSC 205: Object Oriented Programming or CSC 205AA: Object Oriented Programming or CSC 205AB: Object Oriented Programming or CSC 205AC: Object Oriented Programming or CSC 205AD: Object Oriented Programming	3-4 hrs	CSC 205, CSC 205AA, CSC 205AB, CSC 205AC, or CSC 205AD recommended because they meet the prerequisite for CSC 240 or CSC 240AA.
CSC 240: Introduction to Different Programming Languages or CSC 240AA: Introduction to Different Programming Languages	3 hrs	
MAT 227: Discrete Mathematical Structures	3 hrs 	As per "or permission of instructor" in Maricopa's MAT227 course description, academic advisors and other student services personnel are authorized by Maricopa's Math Instructional Council to approve MAT227 registration using either MAT212/213 OR MAT220/221 (and CSC110 or CSC110) as the course prerequisites.
MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government	3 hrs 	
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Applied Computing (Cybersecurity), BS Pathway 2021-2022

ASU Major: [Applied Computing \(Cybersecurity\), BS | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR   3-5 hrs



MAT 220: Calculus with Analytic Geometry I  
OR

MAT 221: Calculus with Analytic Geometry I


CSC 110: Introduction to Computer Science  
or  
CSC 110AA: Introduction to Computer  
Science or  
CSC 110AB: Introduction to Computer  
Science  3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
COM 100: Introduction to Human  
Communication or  
COM 100AA: Intro Human Communication  
Part I or  
COM 100AB: Intro Human Communication  
Part II or  
COM 100AC: Intro Human Communication  
Part III   3 hrs

PSY 101: Introduction to Psychology   3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Computing (Cybersecurity) BS degree program.



ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0 hrs 	Fulfilled by COM 100.
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CSC 200: Principles of Computer Science or CSC 200AA: Principles of Computer Science(Java) or CSC 200AB: Principles of Computer Science or CSC 205: Object Oriented Programming or CSC 205AA: Object Oriented Programming or CSC 205AB: Object Oriented Programming or CSC 205AC: Object Oriented Programming or CSC 205AD: Object Oriented Programming	3-4 hrs	CSC 205, CSC 205AA, CSC 205AB, CSC 205AC, or CSC 205AD recommended because they meet the prerequisite for CSC 240 or CSC 240AA.
CSC 240: Introduction to Different Programming Languages or CSC 240AA: Introduction to Different Programming Languages	3 hrs	
MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government	3 hrs 	
MAT 227: Discrete Mathematical Structures	3 hrs 	As per "or permission of instructor" in Maricopa's MAT227 course description, academic advisors and other student services personnel are authorized by Maricopa's Math Instructional Council to approve MAT227 registration using either MAT212/213 OR MAT220/221 (and CSC110 or CSC110) as the course prerequisites.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Applied Mathematics, BS Pathway 2021-2022

ASU Major: [Applied Mathematics, BS | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

Recommend selecting a course that satisfies Literacy and Critical Inquiry[L], Social-Behavioral Sciences [SB], Humanities and Fine Arts [HU], COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

CSC 110: Introduction to Computer Science  
or  
CSC 110AA: Introduction to Computer Science (Java) or  
CSC 110AB: Intro to Computer Science (JAVA)



3-4 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR



4-5 hrs

Select a sequence of the same science with at least one course satisfying the [SQ] requirement.

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

BIO 181: General Biology (Majors) I

CHM 152: General Chemistry II or  
CHM 152LL: General Chemistry II  
Laboratory OR



4-5 hrs

PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity OR

BIO 182: General Biology (Majors) II


### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Mathematics degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Applied Mathematics BS degree program.



**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CSC 200: Principles of Computer Science(Java) or CSC 200AA: Principles of Computer Science(Java) or CSC 200AB: Principles of Computer Science(Java) or CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures or CSC 205AC: Object Oriented Programming and Data Structures or CSC 205AD: Object Oriented Programming and Data Structures	3-4 hrs	Completion of ASU's ACO 101 and ACO 102 satisfies the New College Language and Cultures requirement.
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs	
Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**



# Pathway Agreement

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## Maricopa Community College District Applied Mathematics, BS Pathway 2021-2022

ASU Major: [Applied Mathematics, BS | College of Integrative Sciences and Arts](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

Recommend selecting a course that satisfies Literacy and Critical Inquiry [L], Social-Behavioral Sciences [SB], Humanities and Fine Arts [HU], COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

CSC 110: Introduction to Computer Science (Java) or  
CSC 110AA: Introduction to Computer Science (Java) or  
CSC 110AB: Introduction to Computer Science (Java)

3-4 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



#### Natural Science [SQ, SG]

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR



4-5 hrs

Select a sequence of the same science with at least one course satisfying the [SQ] requirement.

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

BIO 181: General Biology (Majors) I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



4-5 hrs

PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity OR

BIO 182: General Biology (Majors) II

### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Mathematics degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Applied Mathematics BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>






General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirement simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirement simultaneously.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

MAT 227: Discrete Mathematical Structures	3 hrs 	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs	
Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Applied Mathematics for Life and Social Sciences, BS Pathway 2021-2022

ASU Major: [Applied Mathematics for Life and Social Sciences, BS | College of Liberal Arts and Sciences](#)

### Pathway Requirements

<p>First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL</p>	3 hrs
<p>ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL</p>	3 hrs

<p>Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]</p>	<p>0-3 hrs </p>	<p>Recommend selecting a course that satisfies Literacy &amp; Critical Inquiry, Social-Behavioral Sciences, Humanities &amp; Fine Arts, COM, or CRE 101 requirements simultaneously.</p>
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<p>Mathematical Studies [MA, CS] MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I</p>	4-5 hrs
<p>CSC 100: Introduction to Computer Science or CSC 100AA: Introduction to Computer Science or CSC 100AB: Intro to COMPUTER SCIENCE (C+ OR</p>	<p>3-4 hrs</p>
<p>CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science or CSC 110AB: Intro to Computer Science (JAVA)</p>	

<p>Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]</p>	3 hrs
<p>Humanities, Arts, and Design [HU]</p>	3 hrs

<p>Social-Behavioral Science [SB] ASB 102: INTRO/CULTURAL &amp; SOCIAL ANTHROPOLOGY OR</p>	3 hrs
<p>PSY 101: Introduction to Psychology OR</p>	
<p>SOC 101: Introduction to Sociology OR</p>	
<p>POS 110: American National Government OR</p>	
<p>CFS 205: Human Development OR</p>	
<p>GCU 102: Intro to HUMAN GEOGRAPHY</p>	
<p>Social-Behavioral Science [SB]</p>	3 hrs

Natural Science [SQ, SG]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Mathematics degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Applied Mathematics for the Life and Social Sciences BS degree program.

Minimum of 2.0 GPA is required for all coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

BIO 181: General Biology (Majors) I	4 hrs		
BIO 182: General Biology (Majors) II	4 hrs		

**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs		Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirement simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs		Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirement simultaneously.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs		
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs		
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs		
Lower Division Elective	0-16 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

**Maricopa Community College District**  
**Applied Physics, BS Pathway**  
**2021-2022**

ASU Major: **Applied Physics, BS | College of Integrative Sciences and Arts**

## Pathway Requirements

### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.

### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



### Natural Science [SQ, SG]

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS



PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism



### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III



## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Physics degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Applied Physics, BS degree program.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:

<https://transfer.asu.edu/credits>

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. (C)	0-3 hrs		Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs		Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs		
COM 110: Interpersonal Communication OR			
COM 225: Public Speaking OR			
COM 230: Small Group Communication			
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective	0-22 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60





# Pathway Agreement


Print



## Maricopa Community College District Architectural Studies, BSD Pathway 2021-2022


ASU Major: [Architectural Studies, BSD | Herberger Institute for Design and the Arts](#)



### Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 150: College Algebra / Functions and MAT 182: Plane Trigonometry OR  MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry OR  MAT 152: College Algebra/Functions and MAT 182: Plane Trigonometry OR  MAT 155: College Algebra/Functions with Review and MAT 182: Plane Trigonometry OR  MAT 156: College Algebra/Functions with Review and MAT 182: Plane Trigonometry OR  MAT 187: Precalculus	  5-9 hrs
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Computer/Statistics/Quantitative Applications [CS]	 3 hrs	Students wishing to transfer into Architectural Studies must complete ALA 235 at ASU.
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<b>Humanities, Arts, and Design [HU]</b> ARH 100: Introduction to Art or ARH 101: Prehistoric through Gothic Art or ARH 115: History of Photography or ARH 217: Mexican Art History	 3 hrs
ARH 102: Renaissance Through Contemporary Art or ARH 201: Art of Asia or ARH 203: Art of Ancient Egypt or ARH 204: Roman Art and Architecture	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs	ASU recommends COM 100, COM 110 or COM 230 for Social-Behavioral Science [SB].
Social-Behavioral Science [SB]	 3 hrs	Recommend selecting a course which satisfies [SB] and awareness area [C, H, or G] requirements simultaneously.

Natural Science [SQ, SG]



### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Architectural Studies, BSD degree program.


The MAPP for the BS in Architecture is provided as a transfer pathway for students wishing to complete their BS in Architecture at Arizona State University. The BS in Architecture is a pathway for the 3+ graduate programs in Architecture, Industrial Design, Interior Architecture, Landscape Architecture and Visual Communication Design offered through The Design School. These programs are studio Master's Degree programs that students with a Bachelor's Degree in any discipline can apply for. The options for these programs which can be seen on The Design School's graduate degrees page <https://design.asu.edu/degree-programs/gradua>

PHY 101: Introduction to Physics or PHY 111: General Physics I	4 hrs  	PHY 101 is recommended for students wishing to transfer to Architectural Studies.
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Natural Science [SQ, SG]	4 hrs 
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**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend combining [C] requirement with [SB, HU, or L].
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Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend combining [H] or [G] requirement with [SB, HU, or L].
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**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	ASU recommends COM 100, COM 110 or COM 230 to fulfill the Social-Behavioral Science [SB] requirement.
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

ARH 204: Roman Art and Architecture or CON 101: Construction and Culture or CNS 101: Course Title Not Available or INT 120: Modern Architecture and Furniture or INT 150: Color and Design	6 hrs	Select two courses (6 credits) for the Architecture & Design Survey requirement.
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Any transferable course in the following prefixes: ARC, ARH, ART, ARC, BLT, CET, CON, CNS, DFT, INT, REA, SCT, SSH, or SUS	6 hrs	Select two courses (6 credits) of Architecture Related Electives.
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ARC 120: Design Fundamentals I or ARC 121: Introduction to Architectural Drafting: Manual or ARC 141: Architectural CAD I: Introduction or ARC 142: Architectural CAD II: Plans and Elevations or ARC 243: Architectural CAD III: Site Plans and Sections or ARC 250: Basic Revit or ARC 251: Intermediate Revit or ARC 252: Advanced Revit or ARC 265: Sketchup I: Introduction to Sketchup or ARC 266: Sketchup II: Advanced Rendering Techniques or ART 111: Drawing I or ART 112: Two-Dimensional Design or ART 113: Color or ART 115: Three-Dimensional Design or ART 116: Life Drawing I or ART 122: Drawing and Composition II or ART 151: Sculpture I or ART 161: Ceramics I or ART 165: Watercolor Painting I or ART 167: Painting I or ART 181: Graphic Design I or ART 202: Digital Arts Survey or ART 290BC: Studio Art: Drawing or ART 290JC: Studio Art: Color or DFT 105AA: Computer Aided Drafting I: AutoCAD or DFT 110: Introduction to Drafting or DFT 111: Intermediate Drafting or DFT 112: Advanced Drafting or DFT 252AA: Course not found or INT 100: Interior Design Drafting or INT 122: Digital Visualization for Design or INT 140: Introduction to CAD for Interior Design or INT 145: Drawing and Rendering or INT 190: Space Planning or INT 205: Residential Design or INT 230: Presentation Techniques or INT 251: Sketchup I: Introduction to Sketchup or TCM 100: Digital Multimedia	12 hrs 	Select four courses (12 credits) for the Architecture, Art & Design, Project Courses requirement.
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Total Required Credits: 61



# Pathway Agreement



Print



## Maricopa Community College District Art (Animation), BFA Pathway 2021-2022

ASU Major: [Art \(Animation\), BFA](#) | Herberger Institute for Design and the Arts


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM 225 to meet [L] and MCCCDC Additional Requirement simultaneously.

#### Mathematical Studies [MA, CS]



MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Art OR   3 hrs Also fulfills Historical Awareness [H].


ARH 102: Renaissance Through Contemporary Art


ARH 201: Art of Asia OR   3 hrs

ARH 145: History of American Indian Art OR


ARH 217: Mexican Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies Social-Behavioral Science [SB] and Cultural Diversity [C], if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to Art (Animation), BFA degree program.



The MAPP for Art (Animation), BFA is provided as a transfer pathway for students wishing to complete their Art (Animation), BFA at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here: <https://herbergerinstitute.asu.edu/advising>.

Cultural Diversity in the U.S. [C]	0-3 hrs		Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or ARH 102.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 178: Digital Arts Studies	3 hrs		
ART 116: Life Drawing I or ART 122: Drawing and Composition II or ART 131: Photography I or ART 132: Photography II or ART 142: Introduction to Digital Photography or ART 143: Intermediate Digital Photography or ART 165: Watercolor Painting I or ART 167: Painting I or ART 234: Color Photography I or ART 250: Introduction to Printmaking or ART 263: Figure Painting or ART 290DC: Studio Art: Life Drawing or ART 290HC: Studio Art: Watercolor or ART 290PC: Studio Art: Painting or DFT 255: 3D Printing/Additive Manufacturing or TEC 134: Fashion Illustration I or TEC 139: Fashion Illustration: Children's Wear	3 hrs		2D Art Course
ART 151: Sculpture I or ART 153: Woodworking I or ART 161: Ceramics I or ART 246: Introduction to Digital 3D Fabrication Tools or ART 277: Textiles I or ART 290GC: Studio Art: Ceramics or ART 290FF: Studio Art: Sculpture or ART 290WC: Studio Art: Woodworking or DFT 255: 3D Printing/Additive Manufacturing or TEC 110: Basic Sewing Skills or TEC 111: Clothing Construction or TEC 120: Intermediate Clothing Construction or TEC 124: Advanced Clothing Construction or THP 246: Introduction to Digital 3D Fabrication Tools	3 hrs		3D Art Course
ART 122: Drawing and Composition II or ART 142: Introduction to Digital Photography or ART 143: Intermediate Digital Photography or ART 240: Cinematography and Directing for 3D Animation or ART 246: Introduction to Digital 3D Fabrication Tools or ART 279: Media Productions II or CRW 190: Introduction to Screenwriting or DFT 255: 3D Printing/Additive Manufacturing or FMP 105: Studio Production or FMP 108: Video Production or FMP 111: Screenwriting I or FMT 107: Career Pathways in the Media or FMT 121: Story Theory for Film, Television and Media or FMT 123: Feature Screenwriting: First Draft or FMT 124: Television Screenwriting: Writers Room or FMT 223: Feature Screenwriting: The Rewrite or FMT 224: Television Screenwriting: Original TV Pilot or HUM 210: Contemporary Cinema or THF 210: Contemporary Cinema or THP 246: Introduction to Digital 3D Fabrication Tools	3 hrs		Lower Division Animation Elective
Lower Division Elective	0-4 hrs		

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Art (Art Education), BFA Pathway 2021-2022

ASU Major: [Art \(Art Education\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM 225 to meet [L] and MCCCDD Additional Requirement simultaneously.



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]


ARH 101: Prehistoric through Gothic Ar   3 hrs Also fulfills Historical [H] awareness area.

ARH 102: Renaissance Through Contemporary Art   3 hrs Also fulfills Historical [H] awareness area.


#### Social-Behavioral Science [SB]


GCU 113: United States and Arizona Social  
Studies or  
POS 113: United States and Arizona Social  
Studies OR  3 hrs

#### Social-Behavioral Science [SB]

EDU 222: Introduction to the Exceptional Learner or  
EED 222: INTRO EXCPT YNG CHLD: BIRTH-8  3 hrs Also fulfills Cultural Diversity in the U.S. [C]

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Art (Art Education) BFA degree program.

The MAPP for Art (Art Education), BFA is provided as a transfer pathway for students wishing to complete their Art (Art Education), BFA at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here: <https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit: <http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0 hrs	[C] met by EDU222 or EED 222.
Historical or Global Awareness [H] or [G]	0 hrs	[H] met by ARH101 and ARH102.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ART 111: Drawing I	3 hrs	
ART 112: Two-Dimensional Design	3 hrs	
ART 113: Color	3 hrs	
ART 115: Three-Dimensional Design	3 hrs	
Additional Art Foundation	9 hrs	Complete one 2D course, one 3D course, and one additional 2D or 3D course. See Tracks below for course listings. The track title is located in the comments section of each track.
Art Education Proficiency Courses	6 hrs	Complete courses that transfer to ASU with an ARA, ARE, ARS or ART prefix.

Total Required Credits: 62

**Track/Groups**

Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
ART 122: Drawing and Composition II OR	Additional Art Foundation
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	





# Pathway Agreement


[Print](#)



## Maricopa Community College District Art (Art History), BA Pathway 2021-2022





ASU Major: [Art \(Art History\), BA](#) | Herberger Institute for Design and the Arts



### Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs 	Recommend selecting COM 225 to meet [L] and MCCCDC Additional Requirement simultaneously.
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Mathematical Studies [MA, CS] MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
Computer/Statistics/Quantitative Analysis	3 hrs 

Humanities, Arts, and Design [HU] ARH 101: Prehistoric through Gothic Art	3 hrs  
ARH 102: Renaissance Through Contemporary Art	3 hrs  

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs 
Social-Behavioral Science [SB]	3 hrs 

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 	
Historical or Global Awareness [H] or [G]	0 hrs 	3 hrs [H] satisfied by ARH 101 or ARH 102.


### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Art (Art History) B.A. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ART 111: Drawing I or ART 290BC: Studio Art: Drawing OR	9 hrs 	Select a total of three courses from the four sets of courses listed. Only one course may be selected from each given set.
ADA 169: Two-Dimensional Computer Design or ART 112: Two-Dimensional Design or ART 169: Two-Dimensional Computer Design OR		
ART 113: Color or ART 290JC: Studio Art: Color OR		
ART 115: Three-Dimensional Design OR		
ART 131: Photography I		
ARH 201: Art of Asia	3 hrs	
ARH 115: History of Photography	3 hrs	
Second Language Requirement satisfied through the following: Completion of language course at the intermediate level (course must transfer to ASU at the 202 level or above). American Sign Language does not fulfill the degree requirements.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. American Sign Language does not fulfill the degree requirements. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


Print



**Maricopa Community College District**  
**Art (Art Studies), BA Pathway**  
**2021-2022**





ASU Major: [Art \(Art Studies\), BA | Herberger Institute for Design and the Arts](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs		Recommend selecting COM 225 to meet [L] and MCCCDD Additional Requirement simultaneously.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs	
Computer/Statistics/Quantitative Analysis	3 hrs	

<b>Humanities, Arts, and Design [HU]</b> ARH 101: Prehistoric through Gothic Ar OR ARH 102: Renaissance Through Contempor	3 hrs	 	Satisfies Historical [H] Awareness Area. ARH 101 and ARH 102 are both required for the AAFA, Emphasis in Art.
ARH 201: Art of Asia	3 hrs	 	

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs		Select a course which satisfies Social-Behavioral Science [SB] and the AGEC Cultural Diversity [C] Awareness Area.
Social-Behavioral Science [SB]	3 hrs		

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs		

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or ARH 102.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Art (Art Studies) BA degree program.

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements		
ART 111: Drawing I	3 hrs	
ART 112: Two-Dimensional Design	3 hrs	
ART 113: Color	3 hrs	ART 113 is required for the AAFA, Emphasis in Art.
ART 115: Three-Dimensional Design	3 hrs	
Additional Art Foundation	12 hrs	Complete one 2D course, one 3D course, and two additional 2D or 3D courses. See Tracks below for course listings.
Performing Arts Electives	3 hrs	Select three credit hours from the performing arts elective list.

Total Required Credits: 62

## Track/Groups

### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
ART 122: Drawing and Composition II OR	Additional Art Foundation
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	

### Performing Arts Electives

Performing Arts Electives	
DAN Elective OR	MTC Elective cannot be MTC 103.
HUM 205: Introduction to Cinema or HUM 210: Contemporary Cinema or THF 205: Introduction to Cinema or THF 210: Contemporary Cinema OR	MUC Elective cannot be MUC 194, MUC 210, MUC 211, MUC 274AB, MUC 297AA, MUC 297AB, or MUC 297AC
MHL Elective OR	TCM Electives: TCM 111 and 211, TCM 120, TCM 134, TCM 136, TCM 145, TCM 202, TCM 213AA, TCM 220, TCM 230, TCM 240, TCM 248, TCM 250, TCM 263, TCM 265, and TCM 275.
MTC Elective OR	
MUC Elective OR	
MUE Elective OR	
MUP Elective OR	THE/THF Elective cannot be THE 206, THF 210, HUM 210, THE 282AA, THE 282AB, or THE 282AC.
TCM Elective OR	
THE Elective or THF Elective OR	THP/THF Elective cannot be THF 120AA, THF 120AB, THP 241, COM 241 or THP 268.
THP Elective or THF Elective	



# Pathway Agreement



Print



## Maricopa Community College District Art (Ceramics), BFA Pathway 2021-2022

ASU Major: [Art \(Ceramics\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend COM 225 to meet [L] and Oral Communication requirements simultaneously.



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]


ARH 101: Prehistoric through Gothic Art or  
ARH 102: Renaissance Through  
Contemporary Art   3 hrs


ARH 201: Art of Asia OR   3 hrs ARH 145 also fulfills Cultural Diversity [C].

ARH 145: History of American Indian Art OR


ARH 217: Mexican Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies SB (Social & Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Fine Arts (AAFA), Emphasis in Art degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Ceramics), BFA degree program.

The MAPP for the BFA in Art (Ceramics) is provided as a transfer pathway for students wishing to complete their BFA in Art (Ceramics) at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here: <https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit: <http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0 hrs	Fulfilled by ARH 101 or ARH 102.

<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
ART 111: Drawing I	3 hrs	
ART 112: Two-Dimensional Design	3 hrs	
ART 113: Color	3 hrs	
ART 115: Three-Dimensional Design	3 hrs	
ART 161: Ceramics I	3 hrs	
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs	Required for the AAFA Emphasis in Art.
Additional Art Foundation	9 hrs	Complete one 2D course, one 3D course, and an additional 2D or 3D course. See Tracks below for course listings. The track title is located in the comments section of each track.

Total Required Credits: 60

### Track/Groups

#### Additional Art Foundation

Additional Art Foundation	
ART 151: Sculpture I OR	3D Courses
Additional Art Foundation	
ART 277: Textiles I	
ART 116: Life Drawing I OR	2D Courses
ART 122: Drawing and Composition II OR	
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	

# Pathway Agreement



Print



## Maricopa Community College District Art (Intermedia), BFA Pathway 2021-2022

ASU Major: [Art \(Intermedia\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM 225 to meet [L] and MCCCDC Additional Requirement simultaneously.

#### Mathematical Studies [MA, CS]



MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Art OR   3 hrs Also fulfills Historical [H] awareness area.


ARH 102: Renaissance Through Contemporary Art


ARH 201: Art of Asia OR   3 hrs ARH 145 also meets [C].

ARH 145: History of American Indian Art OR


ARH 217: Mexican Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies SB (Social & Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to Art (Intermedia) BFA degree program.

The MAPP for the Art (Intermedia), BFA is provided as a transfer pathway for students wishing to complete their Art (Intermedia), BFA at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here: <https://herbergerinstitute.asu.edu/advising>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 202: Digital Arts Survey or TCM 100: Digital Multimedia	3 hrs		
DFT 255: Additive Manufacturing	0-4 hrs		This course can be completed after transfer to ASU
Additional Art Foundation	9 hrs		Complete one 2D course, one 3D course, and one additional 2D or 3D course. See Tracks below for course options.
Lower Division Elective	0-4 hrs		

Total Required Credits: 60

## Track/Groups

### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
ART 122: Drawing and Composition II OR	Additional Art Foundation
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	

# Pathway Agreement

[Print](#)

**Maricopa Community College District**  
**Art (Museum Studies), BA Pathway**  
**2021-2022**

ASU Major: [Art \(Museum Studies\), BA | Herberger Institute for Design and the Arts](#)

## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs 

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> ARH 101: Prehistoric through Gothic Art	3 hrs 
ARH 102: Renaissance through Contemporary Art	3 hrs 

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 
Social-Behavioral Science [SB]	3 hrs 

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 	
Historical or Global Awareness [H] or [G]	0 hrs 	3 hrs [H] satisfied by ARH 101 or ARH 102.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Art (Museum Studies) B.A. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ARH 145: History of American Indian Art or  
 ARH 201: Art of Asia or  
 ARH 216: Pre-Columbian Art History or  
 ARH 217: Mexican Art History

3 hrs

The ASU requirement is ARS 201, but the specified Maricopa world or art history courses could fulfill the requirement.

Related Area Courses 3 hrs

Second Language Requirement satisfied through the following:  
 Completion of language course at the intermediate level (course must transfer to ASU at the 202 level or above). American Sign Language does not fulfill the degree requirements.

0-16 hrs

Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. American Sign Language does not fulfill the degree requirements.

Lower Division Elective 0-19 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

**Track/Groups**

**Related Area Courses**

Related Area Courses
GBS 151: Introduction to Business OR
GBS 206: Business Law (UCC) OR
HRM 160: Tourism Principles and Practices OR
IBS 101: Introduction to International Business OR
IBS 109: Cultural Dimension for International Trade OR
MGT 160: Project Management OR
MKT 101: Introduction to Public Relations OR
MKT 263: Advertising Principles OR
MKT 271: Principles of Marketing OR
PAD 101: Survey of Public Administration OR
REC 120: Leisure and the Quality of Life OR
REC 210: Leisure Delivery Systems

# Pathway Agreement



Print



## Maricopa Community College District Art (Painting and Drawing), BFA Pathway 2021-2022

ASU Major: [Art \(Painting and Drawing\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM 225 to meet [L] and MCCCDC Additional Requirement simultaneously.



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]


ARH 101: Prehistoric through Gothic Art or  
ARH 102: Renaissance Through  
Contemporary Art   3 hrs


ARH 201: Art of Asia OR   3 hrs ARH 145 also satisfies Cultural Diversity [C].

ARH 145: History of American Indian Art OR


ARH 217: Mexican Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies Social & Behavioral Sciences [SB] and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Fine Arts (AAFA), Emphasis in Art degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Painting and Drawing), BFA degree program.

The MAPP for the BFA in Art (Painting and Drawing) is provided as a transfer pathway for students wishing to complete their BFA in Art (Painting and Drawing) at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:

<https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit:

<http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or ARH 102.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 116: Life Drawing I or ART 165: Watercolor Painting I	3 hrs		
ART 122: Drawing and Composition II	3 hrs		
ART 167: Painting I	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for the AAFA, Emphasis in Art.
3D Art Course	3 hrs		Complete one 3D course from the options listed below.

Total Required Credits: 60

### Track/Groups

#### 3D Art Course

3D Art Course	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	



# Pathway Agreement



Print



## Maricopa Community College District Art (Photography), BFA Pathway 2021-2022

ASU Major: [Art \(Photography\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM 225 to meet [L] and MCCCDC Additional Requirement simultaneously.



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]


ARH 101: Prehistoric through Gothic Art or  
ARH 102: Renaissance Through Contemporary Art   3 hrs Meets Historical [H] Awareness Area.


ARH 201: Art of Asia OR   3 hrs ARH 145 also meets Cultural Diversity [C] Awareness Area.

ARH 145: History of American Indian Art OR


ARH 217: Mexican Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies Social-Behavioral Science [SB] and the Cultural Diversity [C] Awareness Area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Fine Arts (AAFA), Emphasis in Art degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Photography), BFA degree program.

The MAPP for the Art (Photography), BFA is provided as a transfer pathway for students wishing to complete their Art (Photography), BFA at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:

<https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit:

<http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Fulfilled by ARH 101 or 102

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 132: Photography II	3 hrs		
ART 234: Color Photography I	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Emphasis in Art
3D Art Course	3 hrs		Complete one 3D course. Course options are found below.
Lower Division Elective	3 hrs		

Total Required Credits: 60

## Track/Groups

### 3D Art Course

3D Art Course
DFT 255: 3D Printing/Additive Manufacturing or ART 246: Introduction to Digital 3D Fabrication Tools or THP 246: Introduction to Digital 3D Fabrication Tools or ART 151: Sculpture I or ART 290FF: Studio Art: Sculpture or ART 161: Ceramics I or ART 290GC: Studio Art: Ceramics or ART 153: Woodworking I or ART 290WC: Studio Art: Woodworking or ART 277: Textiles I or TEC 110: Basic Sewing Skills or TEC 111: Clothing Construction or TEC 120: Intermediate Clothing Construction or TEC 124: Advanced Clothing Construction

# Pathway Agreement



Print



## Maricopa Community College District Art (Printmaking), BFA Pathway 2021-2022

ASU Major: [Art \(Printmaking\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM 225 to meet [L] and Oral Communication requirements simultaneously.

#### Mathematical Studies [MA, CS]



MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Art OR   3 hrs


ARH 102: Renaissance Through  
Contemporary Art


ARH 201: Art of Asia OR   3 hrs ARH 145 also satisfies Cultural Diversity [C].

ARH 145: History of American Indian Art OR


ARH 217: Mexican Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies Social & Behavioral Sciences [SB] and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Fine Arts (AAFA), Emphasis in Art degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Printmaking), BFA degree program.

The MAPP for the BFA in Art (Printmaking) is provided as a transfer pathway for students wishing to complete their BFA in Art (Printmaking) at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:

<https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit:

<http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0 hrs	Satisfied by ARH 101 or ARH 102

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements		
ART 111: Drawing I	3 hrs	
ART 112: Two-Dimensional Design	3 hrs	
ART 113: Color	3 hrs	
ART 115: Three-Dimensional Design	3 hrs	
ART 250: Introduction to Printmaking	3 hrs	
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs	Required for AAFA, Emphasis in Art
Additional Art Foundation	9 hrs	Complete one 2D course, one 3D course, and an additional 2D or 3D course. See Tracks below for course listing.

Total Required Credits: 60

## Track/Groups

### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
ART 122: Drawing and Composition II OR	Additional Art Foundation
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I OR	
ART 277: Textiles I	

# Pathway Agreement



Print



## Maricopa Community College District Art (Sculpture), BFA Pathway 2021-2022

ASU Major: [Art \(Sculpture\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM 225 to meet [L] and MCCCDC Additional Requirement simultaneously.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]

ARH 101: Prehistoric through Gothic Art OR   3 hrs

ARH 102: Renaissance Through  
Contemporary Art


ARH 201: Art of Asia OR


  3 hrs ARH 145 also satisfies Cultural Diversity [C].

ARH 145: History of American Indian Art OR


ARH 217: Mexican Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies SB (Social & Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Fine Arts (AAFA), Emphasis in Art degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Sculpture), BFA degree program.


The MAPP for the Art (Sculpture), BFA is provided as a transfer pathway for students wishing to complete their Art (Sculpture), BFA at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:


<https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit:

<http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by ARH 101 or ARH 102.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 151: Sculpture I	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Emphasis in Art.
Additional Art Foundation	9 hrs		Complete one 2D course and two additional 2D or 3D courses. See Tracks below for course listings.

Total Required Credits: 60

## Track/Groups

### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
Additional Art Foundation	
ART 122: Drawing and Composition II OR	
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 161: Ceramics I OR	3D Courses
ART 277: Textiles I	

# Pathway Agreement



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## Maricopa Community College District Art (Textiles), BFA Pathway 2021-2022

ASU Major: [Art \(Textiles\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM 225 to meet [L] and MCCCDC Additional Requirement simultaneously.



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

Computer/Statistics/Quantitative Analysis  3 hrs

#### Humanities, Arts, and Design [HU]


ARH 101: Prehistoric through Gothic Art or  
ARH 102: Renaissance Through  
Contemporary Art   3 hrs


ARH 201: Art of Asia OR   3 hrs ARH 145 also satisfies Cultural Diversity [C].

ARH 145: History of American Indian Art OR


ARH 217: Mexican Art History


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Select a course which satisfies Social & Behavioral Sciences [SB] and the AGEC Cultural Diversity awareness [C] area, if not met by a course in a different section.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Fine Arts (AAFA), Emphasis in Art degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Art (Textiles), BFA degree program.


The MAPP for the BFA in Art (Textiles) is provided as a transfer pathway for students wishing to complete their BFA in Art (Textiles) at ASU. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:



<https://herbergerinstitute.asu.edu/advising>

For more information about the BFA application process and requirements, please visit:

<http://art.asu.edu/admissions/undergrad/applyin>

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by ARH 101 or ARH 102.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
ART 111: Drawing I	3 hrs		
ART 112: Two-Dimensional Design	3 hrs		
ART 113: Color	3 hrs		
ART 115: Three-Dimensional Design	3 hrs		
ART 277: Textiles I	3 hrs		
ART 255: Art Marketing or ART 255AB: The Portfolio	1-3 hrs		Required for AAFA, Emphasis in Art.
Additional Art Foundation	9 hrs		Complete one 2D course, one 3D course, and one 2D or 3D course. Course options are found below.

Total Required Credits: 60

## Track/Groups

### Additional Art Foundation

Additional Art Foundation	
ART 116: Life Drawing I OR	2D Courses
Additional Art Foundation	
ART 122: Drawing and Composition II OR	
ART 131: Photography I OR	
ART 132: Photography II OR	
ART 165: Watercolor Painting I OR	
ART 167: Painting I OR	
ART 250: Introduction to Printmaking	
ART 151: Sculpture I OR	3D Courses
ART 161: Ceramics I	







# Pathway Agreement


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**Maricopa Community College District**  
**Arts (BA in the Arts), BA Pathway**  
**2021-2022**



ASU Major: [Arts \(BA in the Arts\), BA | Herberger Institute for Design and the Arts](#)



## Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs 	Recommend selecting COM 225 to meet [L] and MCCCD Additional Requirement simultaneously.
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Mathematical Studies [MA, CS] MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
Computer/Statistics/Quantitative Analysis	3 hrs 

Humanities, Arts, and Design [HU] Humanities, Arts, and Design	3 hrs 
Humanities, Arts, and Design	3 hrs 

Social-Behavioral Science [SB] Social-Behavioral Science	3 hrs 
Social-Behavioral Science	3 hrs 

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Arts (BA in Arts)--Arts Administration or Entertainment Design degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Fiscal or Statistical Literacy Elective	3-6 hrs	Select one option from the Fiscal or Statistical Literacy Elective course list below.
Arts Administration or Entertainment Design - Pick 1 Focus Area	3-6 hrs	Select one or two courses from the Track/Groups below. Some of the courses may be used to satisfy any remaining AGEC requirements.
Arts Discipline and Practice - 3 Courses (9 credits)	0-9 hrs	Select three courses from the Track/Groups below. Some of the courses may be used to satisfy any remaining AGEC requirements. Only students pursuing the Arts Administration concentration need to complete this requirement.
Historical Studies with Asian/African/Native American/Latin American Focus	3 hrs	Select one course from the Track/Groups below. Some of the courses may be used to satisfy any remaining AGEC requirements.
Related Historical and Theoretical Coursework - 1 Course (3 credits)	0-3 hrs	Select one course from the Track/Groups below. Some of the courses may be used to satisfy any remaining AGEC requirements.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

**Track/Groups**

Arts Administration or Entertainment Design - Pick 1 Focus Area

Arts Administration or Entertainment Design - Pick 1 Focus Area	
ENTERTAINMENT DESIGN (1-2 courses; 3-6 credits): or	
THF 115: Makeup for Stage and Screen or THF 210: Contemporary Cinema or THF 215: Advanced Makeup Techniques for Stage and Screen or THF 209: Acting for the Camera or THF 219: Advanced Acting for the Camera or THP 112: Acting I or THP 201AA: Theatre Production I or THP 201AB: Theatre Production II or THP 203: Technical Theatre Production or THP 213: Intro to Technical Theatre or THP 216: Beginning Stage Lighting or THP 217: Introduction to Design Scenography or THP 226: Theatrical Design: Costuming or THP 262: Entertainment Industry Design Drafting or THP 263: Entertainment Industry Design I: 2D CAD or ART 111: Drawing I or ART 106: Gallery Operations or ART 100: Intro to COMPUTER GRAPHIC ART or ART 131: Photography I or ART 161: Ceramics I or ART 184: Computer Animation or ART 185: 3-D Modeling for Animation or ART 200: Animation and Interactivity or ART 202: Digital Arts Survey or ART 203: Aesthetics of Web Design or DAH 100: Introduction to Dance or HUM 210: Contemporary Cinema or VPT 106: Digital Video Effects or MUC 109: MUSIC BUSINESS: MERCHANDISING and LAW or MUC 110: MUSIC BUSINESS:RECORDING and MASS MEDIA or MUC 111: Digital Audio Workstation I (DAW I) or MUC 112: Digital Audio Workstation II (DAW II) or MUC 114: Song Publishing and Marketing or MUC 115: Song Copyrighting and Demos or MUC 122: Sound Design I or MUC 130: Music Electronic Components or MUC 145: Recording Studio Business Operations or MUC 180: Computer Literacy for the Music Business or MUC 195: Studio Music Recording I or	Arts Administration or Entertainment Design - Pick 1 Focus Area

MUC 196: Studio Music Recording II or  
MUC 197: Live Sound Reinforcement I or  
MUC 198: Live Sound Reinforcement II or  
MUC 209: Music Industry Entrepreneurship or  
MUC 222: Sound Design II or  
MUC 237: Electronic Dance Music Production or  
MUC 292: Sound Design III or  
CSC 120: Digital Design Fundamentals

ARTS ADMINISTRATION (1-2 courses; 3-6 credits): any transferable courses with the following course prefixes: ACC, ECN, EPS, FIN, GBS, LDR, MGT, MKT, SBS, or  
ART 105: Art Beyond the Classroom or  
ART 106: Gallery Operations or  
ART 190: Art of Web Site Design or  
ART 203: Aesthetics of Web Design or  
ART 210: Design Tools for Imagery, Production, and Publishing or  
ART 215: Advanced Electronic Publishing or  
ART 255: Art Marketing or  
ART 255AA: Self Promotion or  
CIS 133DA: Internet/Web Development Level I

#### Arts Discipline and Practice - 3 Courses (9 credits)

##### Arts Discipline and Practice - 3 Courses (9 credits)

Any transferable course from a visual/ performing arts field as an elective with one of the following prefixes: ARC, ARH, ART, CAD, DAH, DAN, DFT, INT, MHL, MTC, MUC, MUE, MUP, TEC, THE, THF, THP, VPT or  
HUM 205: Introduction to Cinema or  
HUM 206: Introduction to Television Arts or  
HUM 210: Contemporary Cinema or  
STO 284: Storytelling and Music or  
STO 285: Creating/Performing Solo/Collaborative Works

#### Fiscal or Statistical Literacy Elective

##### Fiscal or Statistical Literacy Elective

ACC 111: Accounting Principles I and  
ACC 112: Accounting Principles II OR

ACC 111: Accounting Principles I and  
ACC 230: Uses of Accounting Information I OR

ACC 230: Uses of Accounting Information I and  
ACC 250: Introductory Accounting Lab OR

ACC 211: Financial Accounting or  
ECN 211: Macroeconomic Principles or  
ECN 212: Microeconomic Principles or  
GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social Research/Justice and Government

#### Historical Studies with Asian/African/Native American/Latin American Focus

##### Historical Studies with Asian/African/Native American/Latin American Focus

ARH 118: Introduction to Chinese Art or  
ARH 145: History of American Indian Art or  
ARH 201: Art of Asia or  
ARH 217: Mexican Art History or  
DAH 201: World Dance Studies or  
MHL 143: Music in World Cultures

#### Related Historical and Theoretical Coursework - 1 Course (3 credits)

##### Related Historical and Theoretical Coursework - 1 Course (3 credits)

ARH 100: Introduction To Art or  
ARH 101: Prehistoric Through Gothic Art or  
ARH 102: Renaissance Through Contemporary Art  
or  
DAH 201: World Dance Studies or  
MHL 143: Music In World Cultures or  
MTC 105: Music Theory I and  
MTC 106: Aural Perception I or  
MTC 155: Music Theory II and  
MTC 156: Aural Perception II or  
MTC 205: Music Theory III and  
MTC 206: Aural Perception III or  
MTC 255: Music Theory IV and  
MTC 256: Aural Perception IV

# Pathway Agreement

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## Maricopa Community College District Asia Studies (East Asia), BA Pathway 2021-2022

ASU Major: [Asia Studies \(East Asia\), BA](#) | College of Liberal Arts and Sciences

### Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry	3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs	Select HU courses that concurrently satisfy Outside East Asia, East Asia, or Across Asia concentration courses. A maximum of two courses may be selected from the Across Asia concentration. Class options are (ARH 201, HIS 113, HIS 114, REL 202, PHI 245)
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Humanities, Arts, and Design	3 hrs
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs	Select SB courses that concurrently satisfy Outside East Asia, East Asia, or Across Asia concentration courses. A maximum of two courses may be selected from the Across Asia concentration.
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Social-Behavioral Science [SB]	3 hrs	Select an SB course that also satisfies an East Asia concentration requirement. Class options are (HIS 113, HIS 114, and HIS 273)
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs
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General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asia Studies (East Asia) B.A. degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0-3 hrs		ARH 201, HIS 113 and HIS 114 will satisfy Historical [H] and Global [G] Awareness requirement.
<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-20 hrs		Chinese, Japanese or Korean is required for this degree.
Concentration Courses	0-9 hrs		Select three courses from any of the 3 concentrations (East Asia, Across Asia, Outside East Asia). A maximum of 2 courses may be selected from the Across Asia concentration. Courses may be used to simultaneously fulfill any outstanding AGEC requirements. Concentration Title is located in each track's notes section.
Lower Division Elective	0-25 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. HST 111 will need to be taken after transfer to ASU.

Total Required Credits: 60

## Track/Groups

### Concentration Courses

Concentration Courses	
ARH 201: Art of Asia OR	Across Asia Concentration
HIS 113: History of Eastern Civilization OR	Concentration Courses
HIS 114: History of Eastern Civilization OR	
REL 202: Classics of Asian Religions OR	Concentration Courses
PHI 245: INTRODUCTION TO EASTERN PHILOSOPHY OR	
ARH 118: Introduction to Chinese Art OR	
HIS 240: HIST ISLAM CIV: 6TH CENT-1800	
HIS 273: US Experience in Vietnam 1945 - 1975	Outside East Asia Concentration
HIS 271: HISTORY OF the FAR EAST TO 19 OR	East Asia Concentration: Students can take all three after transfer
HIS 272: HISTORY OF the FAR EAST 1900 OR	
ARH 118: Introduction to Chinese Art	

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## Maricopa Community College District Asian Languages (Chinese), BA Pathway 2021-2022

ASU Major: [Asian Languages \(Chinese\), BA](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs

#### Humanities, Arts, and Design [HU]

ENG 213: Introduction to the Study of or  
SLC 201: Introduction to Linguistics  3 hrs SLC 201 or ENG 213 may be used to satisfy  
Social and Behavioral Science [SB] requirement  
instead.


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs Global Awareness [G] may be satisfied by CHI  
201 or CHI 202.


### Pathway Notes





Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asian Languages (Chinese) BA degree program. A 2.33 GPA is required in CHI 101, CHI 102, CHI 201, CHI 202.

MCCC Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
CHI 101: ELEMENTARY CHINESE (MANDARIN)	0-5 hrs 	
CHI 102: ELEMENTARY CHINESE (MANDARIN)	0-5 hrs 	
CHI 201: Intermediate Chinese I	0-5 hrs 	
CHI 202: Intermediate Chinese II	5 hrs 	Demonstrated proficiency in Chinese language at or above the 202 level is required for enrollment in upper division major requirements courses.
Lower Division Elective	0-20 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Asian Languages (Japanese), BA Pathway 2021-2022

ASU Major: [Asian Languages \(Japanese\), BA | College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


CPD 160: Introduction to Multiculturalism  3 hrs Required for AA, Emphasis in Japanese. Also Meets Cultural Diversity in the U.S [C].

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

ENG 213: Introduction to the Study of or  
SLC 201: Introduction to Linguistics  3 hrs Three credit hours of Humanities and Fine Arts or Social and Behavioral Sciences may be satisfied by Maricopa ENG 213 or SLC 201. SLC 201 is preferred.


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs ENG 213 or SLC 201 may be used to satisfy 3 credits of the [SB] AGEC requirement instead of [HU].


Social-Behavioral Science  3 hrs


#### Natural Science [SQ, SG]

Natural Science  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs Met by CPD 160

Historical or Global Awareness [H] or [G]  0-3 hrs Global Awareness [G] satisfied by JPN 101, JPN 102, JPN 201 and JPN 202






### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Japanese and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Asian Studies (Japanese) BA degree program. 2.33 GPA required in all tracked courses for the major: JPN 101, JPN 102, JPN 201, JPN 202.



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
JPN 101: Elementary Japanese I	0-5 hrs 	Demonstrated proficiency in Japanese language at or above the 202 level is required for enrollment in upper division major requirements courses.
JPN 102: Elementary Japanese II	0-5 hrs 	
JPN 201: Intermediate Japanese I	0-5 hrs 	
JPN 202: Intermediate Japanese II	0-5 hrs 	
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Biochemistry, BA Pathway 2021-2022

ASU Major: [Biochemistry, BA](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



Computer/Statistics/Quantitative Applications



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



Humanities, Arts, and Design [HU]



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



Social-Behavioral Science [SB]



#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR



CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 150AA: General Chemistry I OR

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



CHM 152AA: General Chemistry II



General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements






Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biochemistry BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 may be used to satisfy Literacy and Critical Inquiry [L]. COM 100 or COM 110 or COM 230 may be used to satisfy 3 credits of Social-Behavioral Sciences [SB].
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 181: General Biology (Majors) I	4 hrs 	
BIO 182: General Biology (Majors) II	4 hrs 	
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs 	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4 hrs 	
PHY 101: Introduction to Physics OR  PHY 111: General Physics I or PHY 111AA: General Physics I and PHY 112: General Physics II	4-8 hrs 	Students considering Graduate school or health professions should complete the PHY 111 and PHY 112 sequence. All other students may complete PHY 101.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	
Lower Division Elective	0-4 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

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## Maricopa Community College District Biochemistry, BS Pathway 2021-2022

ASU Major: [Biochemistry, BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I

4 hrs



BIO 182: General Biology (Majors) II

4 hrs



#### Subject Options

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151AA: General Chemistry I

4-5 hrs



CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR

4 hrs



CHM 152AA: General Chemistry II

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biochemistry and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biochemistry, BS degree program.

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]

0-3 hrs  


Historical or Global Awareness [H] or [G]

0-3 hrs  


MCCCD Additional Requirements

COM 100: Introduction to Human  
Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CHM 235: General Organic Chemistry I and  
CHM 235LL: General Organic Chemistry I L

4 hrs  


CHM 236: General Organic Chemistry IIA  
and  
CHM 236LL: General Organic Chemistry IIA

4 hrs  


MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II

4-5 hrs  


PHY 111: General Physics I

4 hrs  


PHY 112: General Physics II

4 hrs  


Computer/Statistics/Quantitative Applications

0-3 hrs

Lower Division Elective

0-2 hrs

Lower Division Electives should be completed  
once all other requirements have been met and  
only if needed to complete community college  
associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


Print



**Maricopa Community College District**  
**Biochemistry (Medicinal Chemistry), BS Pathway**  
**2021-2022**



ASU Major: [Biochemistry \(Medicinal Chemistry\), BS](#) | College of Liberal Arts and Sciences



## Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I	  4 hrs
BIO 182: General Biology (Majors) II	  4 hrs





Subject Options



## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements






The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biochemistry and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biochemistry (Medicinal Chemistry) BS degree program.

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	4-5 hrs  
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II OR  CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	4 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs 
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4 hrs 
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 
PHY 111: General Physics I	4 hrs 
PHY 112: General Physics II	4 hrs 

Lower Division Elective	0-2 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Biological Sciences, BS Pathway 2021-2022

ASU Major: [Biological Sciences, BS | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I

4-5 hrs



MAT 220 or MAT 221 is recommended for graduate school and health professions, and is required for the AS, Emphasis in Biological Sciences degree.

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I and  
BIO 181XT: General Biology (Majors) I

4 hrs



BIO 182: General Biology (Majors) II and  
BIO 182XT: General Biology (Majors) II

4 hrs



#### Subject Options

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory

4-5 hrs



CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory or  
CHM 152AA: General Chemistry II

4 hrs





### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biological Sciences, BS degree program.







Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

#### MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 may be shared with [L]. COM 100, COM 110 or COM 230 may be shared with [SB].
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

BIO 220: Biology of Microorganisms	4 hrs 	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR	4-8 hrs 	Pre-health students should take the two-semester sequence (CHM 235/235LL and CHM 236/236LL) instead of CHM 230/230LL. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L AND		
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory		
MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government or PSY 230: Introduction to Statistics	3 hrs 	Although not directly equivalent, these courses are accepted to meet STP 231 at ASU. Some Maricopa colleges require PSY 231 lab with PSY 230. If taken, the one-credit lab can be applied to lower division electives.
PHY 111: General Physics I AND PHY 112: General Physics II OR PHY 101: Introduction to Physics	4-8 hrs 	Pre-health students should take the two semester sequence (PHY 111 and PHY 112) instead of PHY 101. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Biological Sciences (Biology and Society), BS Pathway 2021-2022

ASU Major: [Biological Sciences \(Biology and Society\), BS | College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I OR   3-5 hrs

MAT 220 or MAT 221 recommended for students planning on graduate school/health professions.

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus

MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social Research/Justice and Government or  
PSY 230: Introduction to Statistics   3 hrs


Although not directly equivalent, these courses are accepted to meet STP 231 at ASU. Some Maricopa colleges require PSY 231 lab with PSY 230. If taken, the one credit lab can be applied to lower division electives.


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II   4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes





Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Biology and Society) BS degree program

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 may be shared with [L]. COM 100, COM 110 or COM 230 may be shared with [SB].
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4-5 hrs  	
CHM 152AA: General Chemistry II		
Lower Division Elective	0-17 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**





# Pathway Agreement


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**Maricopa Community College District**  
**Biological Sciences (Biomedical Sciences), BS Pathway**  
**2021-2022**



ASU Major: **Biological Sciences (Biomedical Sciences), BS | College of Liberal Arts and Sciences**



## Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  	MAT 220 or MAT 221 is recommended for graduate school and health professions, and is required for the AS, Emphasis in Biological Sciences degree.
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 	Students are encouraged to choose courses from more than one discipline for a total of six credit hours.
Humanities, Arts, and Design [HU]	3 hrs 	

<b>Social-Behavioral Science [SB]</b> ASB 100: Introduction to Global Health	3 hrs 	Satisfies lower division Science and Society requirement.
Social-Behavioral Science [SB]	3 hrs 	Students are encouraged to choose courses from more than one discipline for a total of six credit hours.

<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4 hrs  
BIO 182: General Biology (Majors) II or BIO 182XT: General Biology (Majors) II	4 hrs  

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 	
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by ASB 100.


MCCCD Additional Requirements

## Pathway Notes








Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences degree and AGECE-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biological Sciences (Biomedical Sciences) degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 may be shared with [L]. COM 100, COM 110 or COM 230 may be shared with [SB].
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 150AA: General Chemistry I OR		
CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4-5 hrs  	
CHM 152AA: General Chemistry II OR		
CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory		
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Lab OR	4-8 hrs 	Pre-health students should take the two-semester sequence of organic chemistry (CHM 235/235LL and CHM 236/236LL) instead of CHM 230/230LL, prior to transferring to ASU. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory and CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory		
MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government or PSY 230: Introduction to Statistics	3 hrs 	Although not directly equivalent, these courses are accepted to fulfill the STP 231 requirement at ASU. Some Maricopa colleges require PSY 231 lab with PSY 230. If taken, the one-credit lab can be applied to lower division electives.
PHY 101: Introduction to Physics OR	4-8 hrs 	Pre-health students should take the two-semester sequence (PHY 111 and PHY 112) instead of PHY 101. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
PHY 111: General Physics I and PHY 112: General Physics II		
Lower Division Elective	0-11 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Biological Sciences (Conservation Biology and Ecology), BS Pathway 2021-2022

ASU Major: [Biological Sciences \(Conservation Biology and Ecology\), BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I

4-5 hrs



MAT 220 or MAT 221 is recommended for graduate school and health professions, and is required for the AS, Emphasis in Biological Sciences degree.

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I

4 hrs



BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II

4 hrs



#### Subject Options

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

4-5 hrs



CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR

4-5 hrs



CHM 152AA: General Chemistry II

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biological Sciences (Conservation Biology and Ecology) BS degree program.

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs



MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



COM 225 may be shared with [L]. COM 100,  
COM 110 or COM 230 may be shared with [SB].

CRE 101: College Critical Reading and Critical Thinking

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CHM 230: Fundamental Organic Chemistry and  
CHM 230LL: Fundamental Organic Chemistry or  
CHM 235: General Organic Chemistry I and  
CHM 235LL: General Organic Chemistry I Laboratory OR

3-4 hrs



Pre-health students should select either PHY  
111 or CHM 235 and CHM 235LL for the  
Physical Science Requirement Course. See  
pre-health website for more information:  
<https://prehealth.asu.edu/future-students/curriculum>

GIS 205: Geographic Information Technologies OR

GIS 211: Geographic Information Science I OR

GLG 101: Introduction to Geology I and  
GLG 103: Introduction to Geology I Lab OR

GPH 111: Introduction to Physical Geography or  
GPH 113: Introduction to Physical Geography OR

PHY 101: Introduction to Physics or  
PHY 111: General Physics I

MAT 206: Elements of Statistics or  
PSY 230: Introduction to Statistics or  
SWU 225: Statistics for Social Research/Justice and Government

3 hrs



Although not directly equivalent, these courses  
are accepted to fulfill STP 231 at ASU. Some  
Maricopa colleges require PSY 231 lab with PSY  
230. If taken, the one-credit lab can be applied  
to lower division electives.

Lower Division Elective

0-16 hrs

Lower Division Electives should be completed  
once all other requirements have been met and  
only if needed to complete community college  
associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

[Print](#)

Maricopa Community College District

Biological Sciences (Genetics, Cell and Developmental Biology), BS Pathway

2021-2022

ASU Major: [Biological Sciences \(Genetics, Cell and Developmental Biology\), BS](#) | College of Liberal Arts and Sciences

## Pathway Requirements

### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.

### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I

4-5 hrs



MAT 220 or MAT 221 is recommended for graduate school and health professions, and is required for the AS, Emphasis in Biological Sciences degree.

### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I

4 hrs



BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II

4 hrs



Subject Options





## Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements





The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences degree and AGECE-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biological Sciences (Genetics, Cell and Developmental Biology) BS degree program.



CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  
CHM 150AA: General Chemistry I OR	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs  
CHM 152AA: General Chemistry II	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements COM 100: Introduction to Human Communication OR	0-3 hrs 	COM 225 may be shared with [L]. COM 100, COM 110 or COM 230 may be shared with [SB].
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR	4-8 hrs 	Pre-health students should take the two-semester sequence of organic chemistry (CHM 235/235LL and CHM 236/236LL) instead of CHM 230/230LL, prior to transferring to ASU. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L and CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA		
MAT 206: Elements of Statistics OR	3 hrs  	Although not directly equivalent, these courses are accepted to meet STP 231 at ASU. Some Maricopa colleges require PSY 231 lab with PSY 230. If taken, the one-credit lab can be applied to lower division electives.
SWU 225: Statistics for Social Research/Justice and Government OR		
PSY 230: Introduction to Statistics		
PHY 101: Introduction to Physics OR	4-8 hrs 	Pre-health students should take the two-semester sequence (PHY 111 and PHY 112) instead of PHY 101. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
PHY 111: General Physics I AND		
PHY 112: General Physics		
Lower Division Elective	0-11 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60



## Pathway Agreement

[Print](#)

### Maricopa Community College District Biological Sciences (Neurobiology, Physiology and Behavior), BS Pathway 2021-2022

ASU Major: [Biological Sciences \(Neurobiology, Physiology and Behavior\), BS | College of Liberal Arts and Sciences](#)

#### Pathway Requirements

##### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL

3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL

3 hrs

##### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs  
 Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.

##### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I

4-5 hrs  
 MAT 220 or MAT 221 is recommended for graduate school and health professions, and is required for the AS, Emphasis in Biological Sciences degree.

##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs

Humanities, Arts, and Design [HU]

3 hrs

##### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs

Social-Behavioral Science [SB]

3 hrs

##### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I

4 hrs

BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II

4 hrs

##### Subject Options

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory or  
CHM 150AA: General Chemistry I or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory or  
CHM 151AA: General Chemistry I

4-5 hrs

#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biological Sciences (Neurobiology, Physiology and Behavior) BS degree program.

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II Laboratory OR  
CHM 152AA: General Chemistry II

4 hrs



### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs

### MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 230: Small Group Communication or  
COM 225: Public Speaking

0-3 hrs



COM 225 may be shared with [L], COM 100, COM 110 or COM 230 may be shared with [SB].

CRE 101: College Critical Reading and Critical Thinking

0-3 hrs

Complete CRE 101 or equivalent.

### Additional Lower Division Requirements

CHM 230: Fundamental Organic Chemistry and  
CHM 230LL: Fundamental Organic Chemistry OR

4-8 hrs



Pre-health students should take the two-semester sequence (CHM 235/235LL and CHM 236/236LL) instead of CHM 230/230LL, prior to transferring to ASU. See pre-health website for more information: <https://prehealth.asu.edu/future-students/curriculum>

CHM 235: General Organic Chemistry I and  
CHM 235LL: General Organic Chemistry I L and  
CHM 236: General Organic Chemistry IIA and  
CHM 236LL: General Organic Chemistry IIA

MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social Research/Justice and  
Government or  
PSY 230: Introduction to Statistics

3 hrs



Although not directly equivalent, these courses are accepted to satisfy the STP 231 requirement at ASU. Some Maricopa colleges require PSY 231 lab with PSY 230. If taken, the one-credit lab can be applied to lower division electives.

PHY 101: Introduction to Physics OR

PHY 111: General Physics I AND

PHY 112: General Physics

4-8 hrs



Pre-health students should take the two-semester sequence (PHY 111 and PHY 112) instead of PHY 101. See pre-health website for more information: <https://prehealth.asu.edu/future-students/curriculum>

Lower Division Elective

0-11 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print



**Maricopa Community College District**  
**Biology, BA Pathway**  
**2021-2022**

ASU Major: [Biology, BA](#) | [New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 187: Precalculus OR   5-8 hrs

MAT 150: College Algebra and  
 MAT 182: Plane Trigonometry OR

MAT 151: College Algebra and  
 MAT 182: Plane Trigonometry OR

MAT 152: College Algebra or  
 MAT 182: Plane Trigonometry


GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government  3 hrs Recommend taking MAT 206.


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II or  
 BIO 182XT: General Biology (Majors) II   4 hrs

General Education Awareness Areas [C, H, G]



## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biology BA degree program.




ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

#### MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	4-5 hrs 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II or CHM 154: GENERAL CHEMISTRY II WITH QUA and CHM 154LL: GENERAL CHEMISTRY II WITH QU	4-5 hrs 	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR	4-8 hrs 	8 credit sequence of CHM 235 and CHM 235LL and CHM 236 and CHM 236LL is recommended for pre-health students planning to apply to graduate school.
CHM 235: General Organic Chemistry I and CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory and CHM 235LL: General Organic Chemistry I Laboratory		
Cognate Requirement	8 hrs	Select Set A or Set B. Set A: PHY 101 and GLG 101 and GLG 103 or Set B: PHY 111 and PHY 112.
Lower Division Elective	0-3 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Biology, BS Pathway**  
**2021-2022**

ASU Major: **Biology, BS | New College of Interdisciplinary Arts and Sciences**



## Pathway Requirements

### First-Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]   0-3 hrs Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.

### Mathematical Studies [MA]


MAT 220: Calculus with Analytic Geometry I or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs MAT 220 or MAT 221 is recommended for graduate school and health professions, and is required for the AS, Emphasis in Biological Sciences degree.


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs



Social-Behavioral Science [SB]  3 hrs



### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II or  
 BIO 182XT: General Biology (Majors) II   4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]   0-3 hrs Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

Historical or Global Awareness [H] or [G]   0-3 hrs Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements









The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biology, BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

MCCCDC Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 may be shared with [L]. COM 100, COM 110 or COM 230 may be shared with [SB].
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	4-5 hrs 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II	4 hrs 	
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory	4 hrs 	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory or CHM 238LL: General Organic Chemistry IIB Laboratory	0-5 hrs 	May be completed after transferring.
MAT 206: Elements of Statistics	3 hrs  	
PHY 111: General Physics I	4 hrs 	
PHY 112: General Physics II	4 hrs 	
Lower Division Elective	0-7 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional six credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Biology (Pharmacology/Toxicology), BS Pathway**  
**2021-2022**





ASU Major: **Biology (Pharmacology/Toxicology), BS | New College of Interdisciplinary Arts and Sciences**





## Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 
Humanities, Arts, and Design [HU]	 

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 
Social-Behavioral Science [SB]	 

<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	 
BIO 182: General Biology (Majors) II or BIO 182XT: General Biology (Majors) II	 

Subject Options

## Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



## Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biology (Pharmacology/Toxicology) BS degree program.








ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>



CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs 
CHM 150AA: General Chemistry I OR	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4-5 hrs 
CHM 152AA: General Chemistry II OR	
CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 may be shared with [L]. COM 100, COM 110 or COM 230 may be shared with [SB].

Additional Lower Division Requirements	
PHY 111: General Physics I or PHY 111AA: General Physics I	4-5 hrs 
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory	4 hrs 
CHM 236: General Organic Chemistry IIA or CHM 238: General Organic Chemistry IIB AND	4-5 hrs 
CHM 236LL: General Organic Chemistry IIA Laboratory or CHM 238LL: General Organic Chemistry IIB Laboratory	
MAT 206: Elements of Statistics	3 hrs  
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I	4 hrs 
BIO 202: Human Anatomy and Physiology II	4 hrs 

Total Required Credits: 61


# Pathway Agreement

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## Maricopa Community College District Biomedical Engineering, BSE Pathway 2021-2022

ASU Major: [Biomedical Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core		
ENG 101: First-Year Composition OR	3 hrs	
ENG 107: First-Year Composition for ESL		
ENG 102: First-Year Composition OR	3 hrs	
ENG 108: First-Year Composition for ESL		
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs	
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
ECE 102 and ECE 103 will satisfy the BME 100 requirement at ASU.		
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs	 
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs	
PHY 115: University Physics I or PHY 121: University Physics I: Mechanics	4-5 hrs	 
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism	4-5 hrs	 
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	 
CHM 150AA: General Chemistry I OR		
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs	 
CHM 152AA: General Chemistry II		
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs	
Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.		
Social-Behavioral Science and AGEC Awareness Areas	3 hrs	
Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.		

Additional Lower Division Requirements

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Biomedical Engineering, BSE degree program.

A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better.

Engineering Core courses should be prioritized over Additional Lower Division Requirements.

Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

Students interested in completing the BSE Biomedical Engineering degree with two additional years at ASU, are highly encouraged to meet with an academic advisor in SBHSE one year prior to transferring to ASU. Due to the highly prescribed nature of the BME coursework, there are several factors that may affect your graduation timeline and should be discussed individually.

BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4-5 hrs		
BIO 201: Human Anatomy and Physiology I and BIO 202: Human Anatomy and Physiology II	8 hrs		
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles	0-3 hrs	 	May be completed after transfer to ASU.
EEE 202: Circuits and Devices	5 hrs		
ECE 104: EPICS Gold I	0-2 hrs		EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 64





# Pathway Agreement


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**Maricopa Community College District**  
**Biophysics, BS Pathway**  
**2021-2022**



ASU Major: **Biophysics, BS** | College of Liberal Arts and Sciences



## Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I	  4 hrs
BIO 182: General Biology (Majors) II	  4 hrs

<b>Subject Options</b> PHY 121: University Physics I: Mechanics or PHY 115: University Physics I	 4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	 4-5 hrs

General Education Awareness Areas [C, H, G]



## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Physics degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Biophysics BS degree program.








A GPA of 2.5 is required in tracked courses MAT 220 (or MAT 221), MAT 231, MAT241, PHY 121 (or PHY 115) and PHY 131 (or PHY 116).

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		COM 225 also meets Literacy and Critical Inquiry [L].  COM 100, COM 110 and COM 230 also meet Social-Behavioral Science [SB].
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	4-5 hrs	 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4 hrs	 	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs		
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs		
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations AND  MAT 225: Elementary Linear Algebra	0-7 hrs		(MAT 276 or MAT 277) and (MAT 225) will satisfy ASU PHY 201 requirement for Biophysics majors.  May be taken after transferring to ASU.
PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	0-4 hrs		PHY 241 will satisfy ASU PHY 252 requirement.  May be taken after transferring to ASU.
Lower Division Elective	0-6 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Biotechnology and Bioenterprise, BS Pathway 2021-2022



ASU Major: [Biotechnology and Bioenterprise, BS | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR   3-5 hrs Focus Area determines MAT course:  
Biostatistics Focus Area complete MAT 220;  
Biotechnology or Bioentrepreneurship Focus  
Area complete MAT 212.


MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I  4 hrs

BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements








Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biotechnology and Bioenterprise BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

MCCC Additional Requirements

COM 100: Introduction to Human Communication OR	0-3 hrs		
COM 110: Interpersonal Communication OR			
COM 225: Public Speaking OR			
COM 230: Small Group Communication			
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	 	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR			
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I			
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs	 	
CHM 152AA: General Chemistry II			
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs		
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory	4 hrs		
EPS 150: Introduction to Entrepreneurship	3 hrs		Bioentrepreneurship Focus Area complete EPD 150; other Focus Areas may complete a general elective.
GBS 221: Business Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government OR	4-5 hrs		Focus Area determines STP/MAT course: Biostatistics Focus Area complete MAT 230; Biotechnology or Bioentrepreneurship Focus Area complete GBS 221 or MAT 206 or SWU 225.
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II			
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics	4-5 hrs		

Total Required Credits: 62





# Pathway Agreement


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**Maricopa Community College District**  
**Business (Business Administration), BA Pathway**  
**2021-2022**



ASU Major: **Business (Business Administration), BA | W. P. Carey School of Business**





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree (ABUS-GR) and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.




Effective Fall 2013 ASU no longer requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS 233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM 225 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


Print





## Maricopa Community College District Business (Communication), BA Pathway 2021-2022



ASU Major: [Business \(Communication\), BA | W. P. Carey School of Business](#)





### Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree (ABUS-GR) and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

Effective Fall 2013 ASU no longer requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS 133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS 233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM 225 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-4 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



Print


**Maricopa Community College District**  
**Business (Corporate Accounting), BA Pathway**  
**2021-2022**



ASU Major: **Business (Corporate Accounting), BA | W. P. Carey School of Business**



## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs



Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs



Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR   3-4 hrs  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I

CIS 105: Survey of Computer Information  
 Systems   3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs  
 Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles  3 hrs  
 ECN 212: Microeconomic Principles  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ]  4 hrs Select at least one SQ within the Natural Science requirement.  
 Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs  
 Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements






This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree (ABUS-GR) and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hours) from the following, in consultation with a Maricopa Advisor: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
COM 100: Introduction to Human Communication or COM 230: Small Group Communication or COM 259: Communication in Business and Professions	0-3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3 hrs	
PSY course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-4 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print


**Maricopa Community College District**  
**Business (Food Industry Management), BA Pathway**  
**2021-2022**

ASU Major: [Business \(Food Industry Management\), BA | W. P. Carey School of Business](#)

## Pathway Requirements



First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs  
 If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.

Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR   3-4 hrs

MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I


CIS 105: Survey of Computer Information  
 Systems   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ]  4 hrs  
 Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCDC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS 233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


Print





**Maricopa Community College District  
Business (Global Agribusiness), BA Pathway  
2021-2022**



ASU Major: [Business \(Global Agribusiness\), BA | W. P. Carey School of Business](#)





## Pathway Requirements




<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ]	 4 hrs	Select at least one [SQ] within the Natural Science requirement. BIO 100 is strongly recommended for students going into Global Agribusiness.
Natural Science [SQ, SG]	  4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.




Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



**MCCCD Additional Requirements**

<b>ABUS Business Electives</b>	<b>0-6 hrs</b>	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS 233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	<b>6-9 hrs</b> 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	<b>3-4 hrs</b>	
GBS 221: Business Statistics	<b>3 hrs</b> 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	<b>3 hrs</b>	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	<b>0-3 hrs</b> 	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	<b>3 hrs</b>	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	<b>3 hrs</b>	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	<b>0-6 hrs</b>	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 62





# Pathway Agreement



Print





**Maricopa Community College District  
Business (Global Leadership), BA Pathway  
2021-2022**





ASU Major: **Business (Global Leadership), BA | W. P. Carey School of Business**





## Pathway Requirements





<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 





<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	 
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	 

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 
Humanities, Arts, and Design [HU]	 

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	 
ECN 212: Microeconomic Principles	 

<b>Natural Science [SQ, SG]</b> Natural Science [SQ]	 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 
Historical or Global Awareness [H] or [G]	 

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS 233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 62

# Pathway Agreement

Print

## Maricopa Community College District Business (Global Logistics Management), BA Pathway 2021-2022

ASU Major: [Business \(Global Logistics Management\), BA | W. P. Carey School of Business](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR



3-4 hrs

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I

CIS 105: Survey of Computer Information  
Systems



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles



3 hrs

ECN 212: Microeconomic Principles



3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ]



4 hrs

Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]

4 hrs



#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on <a href="http://AZTransfer.com">AZTransfer.com</a> and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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## Maricopa Community College District Business (Global Politics), BA Pathway 2021-2022



ASU Major: [Business \(Global Politics\), BA | W. P. Carey School of Business](#)





### Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS 233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


Print





**Maricopa Community College District**  
**Business (Health Care), BA Pathway**  
**2021-2022**



ASU Major: **Business (Health Care), BA | W. P. Carey School of Business**





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs	
Historical or Global Awareness [H] or [G]	 0-3 hrs	HCR 220 [H] is preferred.

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


Print





**Maricopa Community College District**  
**Business (Human Resources), BA Pathway**  
**2021-2022**



ASU Major: **Business (Human Resources), BA | W. P. Carey School of Business**





## Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	 3 hrs	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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Mathematical Studies [MA, CS] MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

Humanities, Arts, and Design [HU] Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

Natural Science [SQ, SG] Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


Print





**Maricopa Community College District**  
**Business (Information Security), BA Pathway**  
**2021-2022**



ASU Major: **Business (Information Security), BA | W. P. Carey School of Business**





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 	Select a course that also fulfills Historical Awareness [H]
Humanities, Arts, and Design [HU]	 3 hrs	

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes




Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

CIS 250: Management of Information Systems	3 hrs	
ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs	 If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-3 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


Print





**Maricopa Community College District**  
**Business (Law), BA Pathway**  
**2021-2022**



ASU Major: **Business (Law), BA | W. P. Carey School of Business**





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement



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


**Maricopa Community College District**  
**Business (Public Service and Public Policy), BA Pathway**  
**2021-2022**





ASU Major: **Business (Public Service and Public Policy), BA | W. P. Carey School of Business**





## Pathway Requirements





<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 





<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	 
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	 

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 
Humanities, Arts, and Design	 

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	 
ECN 212: Microeconomic Principles	 

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 
Historical or Global Awareness [H] or [G]	 

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: Legal, Ethical, and Regulatory Issues in Business	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement

Print

## Maricopa Community College District Business (Retail Management), BA Pathway 2021-2022

ASU Major: [Business \(Retail Management\), BA | W. P. Carey School of Business](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR



MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I

CIS 105: Survey of Computer Information  
Systems



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design



Humanities, Arts, and Design



#### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles



ECN 212: Microeconomic Principles



#### Natural Science [SQ, SG]

Natural Science



Select at least one SQ within the Natural Science requirement.

Natural Science



#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



Historical or Global Awareness [H] or [G]



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCDC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

CIS 114DE: Excel Spreadsheet OR CIS 133DA: Internet/Web Development Leve OR CIS 162AD: C#: Level I OR GBS 151: Introduction to Business OR GBS 220: QUANTITATIVE METHODS IN BUSIN OR GBS 233: Business Communication OR GBS 110: HUMAN RELATIONS IN BUSINESS/I or MGT 251: Human Relations in Business OR IBS 101: Intro to International Business OR MGT 253: OWNING & OPERATING A SMALL BU OR MKT 271: Principles of Marketing OR PAD 100: Course Title Not Available OR REA 179: Real Estate Principles I OR REA 180: Real Estate Principles II OR SBU 200: Society and Business	0-6 hrs	Select two courses (6 hours) in consultation with a Maricopa Advisor.
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
GBS 205: Legal, Ethical, And Regulatory Issues in Business	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: Communication in Business and Professions	0-3 hrs 	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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**Maricopa Community College District**  
**Business (Sports Business), BA Pathway**  
**2021-2022**



ASU Major: **Business (Sports Business), BA | W. P. Carey School of Business**





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 221: Business Statistics	3 hrs 	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement

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## Maricopa Community College District Business (Statistics), BA Pathway 2021-2022



ASU Major: [Business \(Statistics\), BA | W. P. Carey School of Business](#)




### Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.
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Mathematical Studies [MA, CS] MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	3-4 hrs  
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	3 hrs

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles	3 hrs 
ECN 212: Microeconomic Principles	3 hrs  

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information:  
<https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs	
COM 100: Introduction to Human Communication OR  COM 225: Public Speaking OR  COM 230: Small Group Communication OR  COM 259: Communication in Business and Professions	0-3 hrs	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: Legal, Ethical, and Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62



## Pathway Agreement

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### Maricopa Community College District Business (Sustainability), BA Pathway 2021-2022

ASU Major: [Business \(Sustainability\), BA | W. P. Carey School of Business](#)

#### Pathway Requirements

##### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL

3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL

3 hrs



##### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

3 hrs



If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.

##### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR

3-4 hrs



MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I

CIS 105: Survey of Computer Information Systems

3 hrs



##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



##### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles

3 hrs



ECN 212: Microeconomic Principles

3 hrs



##### Natural Science [SQ, SG]

Natural Science [SQ, SG]

4 hrs



Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]

4 hrs



##### General Education Awareness Areas [C, H, G]

#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.



Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs

**MCCCD Additional Requirements**

ABUS Business Electives

0-6 hrs

Select two courses from the following: CIS 114DE, CIS 133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS 233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and  
ACC 230: Uses of Accounting Information and  
ACC 240: Uses of Accounting Information OR

6-9 hrs



ACC 111: Accounting Principles I and  
ACC 112: Accounting Principles II and  
ACC 212: Managerial Accounting OR

ACC 211: Financial Accounting and  
ACC 212: Managerial Accounting

GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS

3 hrs

GBS 221: Business Statistics

3 hrs



COM 100: Introduction to Human Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication or  
COM 259: COMM IN BUSINESS & PROFESSIONS

0-3 hrs



If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].

MAT 217: Mathematical Analysis for Business or  
MAT 218: Mathematical Analysis for Business

3-4 hrs

SSH 111: Sustainable Cities

3 hrs

SUS 110: Sustainable World

3 hrs

PSY Course

3 hrs

Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on [aztransfer.com](http://aztransfer.com) and consult a community college advisor to ensure the course selected meets both requirements.

SOC Course

3 hrs

Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on [aztransfer.com](http://aztransfer.com) and consult a community college advisor to ensure the course selected meets both requirements.

**Total Required Credits: 62**





# Pathway Agreement


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## Maricopa Community College District Business (Technology), BA Pathway 2021-2022



ASU Major: [Business \(Technology\), BA | W. P. Carey School of Business](#)





### Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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**Maricopa Community College District**  
**Business (Tourism), BA Pathway**  
**2021-2022**



ASU Major: **Business (Tourism), BA | W. P. Carey School of Business**





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements




This degree program requires meeting W. P. Carey Bachelor of Arts admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Arts degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 205: Legal, Ethical, and Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: Communication in Business and Professions	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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## Maricopa Community College District Business Data Analytics, BS Pathway 2021-2022



ASU Major: [Business Data Analytics, BS | W. P. Carey School of Business](#)



### Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs 	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements.
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Mathematical Studies [MA, CS] MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	3-4 hrs  
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	3 hrs  

Humanities, Arts, and Design [HU] Humanities, Arts, and Design	3 hrs 
Humanities, Arts, and Design	3 hrs 

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles	3 hrs 
ECN 212: Microeconomic Principles	3 hrs 

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)



Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, Special Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.


Only 64 credits are transferable to ASU. For more information:


<https://transfer.asu.edu/credits>.


CIS 162AD: C#: Level I	3 hrs
CIS 250: Management INFORMATION SYSTEM	3 hrs

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 
GBS 205: Legal, Ethical, and Regulatory Issues in Business	3 hrs
GBS 221: Business Statistics	3 hrs 
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs

COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: Communication in Business and Professions	0-3 hrs 	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
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PSY Course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
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SOC Course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
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**Total Required Credits: 62**





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## Maricopa Community College District Business Entrepreneurship, BS Pathway 2021-2022



ASU Major: [Business Entrepreneurship, BS | W. P. Carey School of Business](#)





### Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	 3 hrs	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.
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Mathematical Studies [MA, CS] MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

Natural Science [SQ, SG] Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.






Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.



<b>ABUS Business Electives</b>	<b>0-6 hrs</b>	Select two courses from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
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**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course (SB)	3 hrs 	MGT 320 (required for this major at ASU) requires a prerequisite of PSY 101 or SOC 101.
SOC Course (SB)	3 hrs 	MGT 320 (required for this major at ASU) requires a prerequisite of PSY 101 or SOC 101.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 62

# Pathway Agreement

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## Maricopa Community College District Chemical Engineering, BSE Pathway 2021-2022

ASU Major: [Chemical Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs 
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs 
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory	4 hrs  
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	4-5 hrs  
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs 
Social-Behavioral Science and AGEC Awareness Areas	3 hrs 

Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.

Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Chemical Engineering, BSE degree program.




A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better.

Engineering Core courses should be prioritized over Additional Lower Division Requirements.

Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

Note: Students interested in completing the BSE Chemical Engineering degree in two additional years at ASU, must complete CHE 211 and CHE 231 through concurrent enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

### Additional Lower Division Requirements

CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory	4 hrs 	
CHM 236: General Organic Chemistry IIA	3 hrs 	
MAT 225: Elementary Linear Algebra		3 hrs Complete additional lower division requirements not to exceed 64 total transfer credits. Students should take MAT 225, CHM 235/235LL and CHM 236 before additional lower division requirements.
BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I or BIO 182: General Biology (Majors) II or BIO 201: Human Anatomy and Physiology I or BIO 205: Microbiology or BIO 220: Biology of Microorganisms or ECE 111: Bioengineering Systems	3-4 hrs 	
Humanities, Arts, and Design and AGEC Awareness Areas		0-3 hrs Can be completed after transfer to ASU
Social-Behavioral Science and AGEC Awareness Areas		0-3 hrs Can be completed after transfer to ASU
ECE 104: EPICS Gold I		0-2 hrs EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Chemistry, BA Pathway 2021-2022

ASU Major: [Chemistry, BA | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Social-Behavioral Science [SB]

3 hrs



#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR



CHM 150AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



CHM 152AA: General Chemistry II




Subject Options



### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.




### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Chemistry BA degree program.

PHY 111: General Physics I	4 hrs		
PHY 112: General Physics II	4 hrs		

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0-3 hrs		

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		COM 225 may also be used to satisfy Literacy and Critical Inquiry (L) general studies requirement.
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

Additional Lower Division Requirements CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs		
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4 hrs		
MAT 231: Calculus with Analytic Geometry II	4 hrs		

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs		May be completed after transfer to ASU. Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.  Proficiency exams to test out of the second language requirement are available for select languages. More information can be found here: <a href="https://silc.asu.edu/student-life/academic-advising/placement-testing/placement-testing-undergraduates">https://silc.asu.edu/student-life/academic-advising/placement-testing/placement-testing-undergraduates</a>
Lower Division Elective	0-10 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Chemistry, BS Pathway 2021-2022

ASU Major: [Chemistry, BS | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Social-Behavioral Science [SB]

3 hrs



#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR



CHM 150AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



CHM 152AA: General Chemistry II





Subject Options



### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.





### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Chemistry degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Chemistry, BS degree program.

MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements		
COM 100: Introduction to Human Communication OR	0-3 hrs 	COM 225 may be used to satisfy Literacy and Critical Inquiry (L) general studies requirement.
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements		
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory	4 hrs 	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4 hrs 	
MAT 225: Elementary Linear Algebra	3 hrs	An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Map will be satisfied by Linear Algebra and Differential Equations for the AZ community college student.
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs	An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Map will be satisfied by Linear Algebra and Differential Equations for the AZ community college student.
PHY 115: University Physics I OR PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4-5 hrs 	
PHY 116: University Physics II OR PHY 131: University Physics II: Electricity and Magnetism	4-5 hrs 	
Lower Division Elective	0-4 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 64

# Pathway Agreement

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## Maricopa Community College District Chemistry (Environmental Chemistry), BS Pathway 2021-2022

ASU Major: [Chemistry \(Environmental Chemistry\), BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Social-Behavioral Science [SB]

3 hrs



#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR



4-5 hrs

CHM 150AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



4 hrs

CHM 152AA: General Chemistry II

Subject Options





### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements





The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Chemistry degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Chemistry (Environmental Chemistry), BS degree program.



MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	
CRE 101: College Critical Reading	0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs 
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4 hrs 
MAT 225: Elementary Linear Algebra	3 hrs An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Mapp will be satisfied by Linear Algebra and Differential Equations for the AZ community college student.
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Mapp will be satisfied by Linear Algebra and Differential Equations for the AZ community college student.
PHY 115: University Physics I OR PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4-5 hrs 
PHY 131: University Physics II: Electricity and Magnetism	4 hrs 
Lower Division Elective	0-4 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 64

# Pathway Agreement

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**Maricopa Community College District**  
**Civil Engineering, BSE Pathway**  
**2021-2022**

ASU Major: [Civil Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques and ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	4 hrs  
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	4-5 hrs  
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4 hrs  
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  
MAT 231: Calculus with Analytic Geometry II or MAT 230: Calculus with Analytic Geometry II	4-5 hrs  
MAT 241: Calculus with Analytic Geometry III or MAT 240: Calculus with Analytic Geometry III	4-5 hrs  
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs 
PHY 121: University Physics I: Mechanics or PHY 115: University Physics I	4-5 hrs  
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.

## Pathway Notes

There are no notes for this pathway

## Special Requirements



Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Civil Engineering, BSE degree program.

A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better.

Engineering Core courses should be prioritized over Additional Lower Division Requirements.

Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

Additional Lower Division Requirements

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, [CHM 230 or GLG 101 or BIO 181 or BIO 182] and [ECN 211 or ECN 212] before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
CHM 230: Fundamental Organic Chemistry OR GLG 101: Introduction to Geology I - Physical Lecture OR BIO 181: General Biology (Majors) I OR BIO 182: General Biology (Majors) II	3-4 hrs 	Recommend completing BIO 181 or BIO 182.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamic	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles	3 hrs 	
Lower Division Elective	1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 63

# Pathway Agreement

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**Maricopa Community College District  
Civil Engineering (Sustainable Engineering), BSE Pathway  
2021-2022**

ASU Major: [Civil Engineering \(Sustainable Engineering\), BSE | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements

Engineering Core		
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  	
CHM 150AA: General Chemistry I OR		
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs  	
CHM 152AA: General Chemistry II		
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs  	
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  	
MAT 231: Calculus with Analytic Geometry II	4 hrs  	
MAT 241: Calculus with Analytic Geometry III	4 hrs  	
PHY 121: University Physics I: Mechanics or PHY 115: University Physics I	4-5 hrs  	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 	
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  	
Humanities, Arts, and Design and AGEC Awareness Areas	3 hrs	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science and AGEC Awareness Areas	3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

## Pathway Notes

There are no notes for this pathway

## Special Requirements



Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Civil Engineering (Sustainable Engineering) BSE degree program.

A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better.

Engineering Core courses should be prioritized over Additional Lower Division Requirements.

Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

## Additional Lower Division Requirements

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215 and ECN 211 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamic	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles	3 hrs 	
CHM 230: Fundamental Organic Chemistry or GLG 101: Introduction to Geology I - Physical Lecture or BIO 181: General Biology (Majors) I or BIO 182: General Biology (Majors) II	3-4 hrs 	Recommend completing GLG 101
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 65

# Pathway Agreement

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## Maricopa Community College District Communication, BA Pathway 2021-2022

ASU Major: [Communication, BA | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review



3-6 hrs

#### Computer/Statistics/Quantitative Analysis



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Consider selecting COM/THP 241, depending on your preferred areas of interest. See major map at <https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACOMBA/null/ALL/2021> for areas of emphasis.

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

COM 100: Introduction to Human  
Communication



3 hrs

COM 110: Interpersonal Communication

3 hrs

Required for the Associate in Arts, Emphasis in Communication.

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0 hrs

Satisfied by COM 263.

Historical or Global Awareness [H] or [G]



0 hrs

Satisfied by COM 263.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:

<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 100, COM 110, COM 225, or COM 230.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 207: Introduction to Communication Inquiry	3 hrs	
COM 230: Small Group Communication	3 hrs	Required for the Associate in Arts, Emphasis in Communication.
COM 263: Elements of Intercultural Communication	3 hrs	Required for the Associate in Arts, Emphasis in Communication.
Lower Division Elective	0-16 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Communication, BA Pathway 2021-2022

ASU Major: [Communication, BA | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review



3-6 hrs

#### Computer/Statistics/Quantitative Applications



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Consider selecting COM/THP 241, depending on your preferred areas of interest. See major map at <https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACOMBA/null/ALL/2021> for areas of emphasis.

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

COM 100: Introduction to Human  
Communication



3 hrs

COM 110: Interpersonal Communicatio

3 hrs

Also required for the Associate in Arts, Emphasis in Communication.

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0 hrs

Satisfied by COM 263.

Historical or Global Awareness [H] or [G]



0 hrs

Satisfied by COM 263.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BA degree program.



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking	0 hrs 	Satisfied by required courses.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 207: Introduction to Communication Inquiry	3 hrs	
COM 230: Small Group Communication	3 hrs	Required for the Associate in Arts, Emphasis in Communication.
COM 263: Elements of Intercultural Communication	3 hrs	Required for the Associate in Arts, Emphasis in Communication.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. Consider selecting COM 250, depending on your preferred areas of interest. See major map at <a href="https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACOMBA/null/ALL/2021">https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACOMBA/null/ALL/2021</a> for areas of emphasis.

Total Required Credits: 60

# Pathway Agreement



Print



## Maricopa Community College District Communication, BA Pathway 2021-2022

ASU Major: [Communication, BA](#) | College of Integrative Sciences and Arts


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
or any approved general education course in  
the Mathematical Applications [MA] area.  3-6 hrs



Computer/Statistics/Quantitative Analysis  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Consider selecting COM/THP 241, depending on your preferred areas of interest. See major map at <https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACOMBA/null/ALL/2021> for areas of emphasis.


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

COM 100: Introduction to Human  
Communication   3 hrs


COM 110: Interpersonal Communication  3 hrs Also required for the Associate in Arts, Emphasis in Communication.


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by COM 263.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by COM 263.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BA degree program.

**MCCCD Additional Requirements**

CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

COM 207: Introduction to Communication Inquiry	3 hrs	
COM 230: Small Group Communication	3 hrs 	Required for the Associate in Arts, Emphasis in Communication.
COM 263: Elements of Intercultural Communication	3 hrs	Required for Associate in Arts, Emphasis in Communication.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach fourth semester proficiency, OR, complete COM 371 at ASU after transferring, in combination with COM 263 prior to transferring, to meet this requirement.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



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**Maricopa Community College District**  
**Communication, BS Pathway**  
**2021-2022**

ASU Major: **Communication, BS | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

COM 225: Public Speaking  3 hrs

### Mathematical Studies [MA, CS]


MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs

GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government or  
 PSY 230: Introduction to Statistics   3 hrs



Some MCCCDC colleges require PSY 231 with PSY 230. If taken, the one credit from the lab can be applied to electives.


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

COM 100: Introduction to Human  
 Communication   3 hrs


COM 110: Interpersonal Communication  3 hrs Also required for Associate in Arts, Emphasis in Communication.


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by COM 263.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by COM 263.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by required courses.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 207: Introduction to Communication Inquiry	3 hrs	
COM 230: Small Group Communication	3 hrs	Required for the Associate in Arts, Emphasis in Communication.
COM 263: Elements of Intercultural Communication	3 hrs	Required for the Associate in Arts, Emphasis in Communication.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Communication, BS Pathway**  
**2021-2022**


ASU Major: **Communication, BS | College of Liberal Arts and Sciences**


## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs
<b>Computer/Statistics/Quantitative Analysis</b>	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs	Consider selecting COM/THP 241, depending on your preferred areas of interest. See major map at <a href="https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACOMBA/null/ALL/2021">https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACOMBA/null/ALL/2021</a> for areas of emphasis.
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<b>Humanities, Arts, and Design [HU]</b>	 3 hrs
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<b>Social-Behavioral Science [SB]</b> COM 100: Introduction to Human Communication	  3 hrs	
COM 110: Interpersonal Communication	3 hrs	Also required for the Associate in Arts, Emphasis in Communication degree.

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0 hrs	Satisfied by COM 263.
Historical or Global Awareness [H] or [G]	 0 hrs	Satisfied by COM 263.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Communication degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Communication, BS degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by required courses.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 207: Intro to COMMUNICATION INQUIRY	3 hrs	
COM 230: Small Group Communication	3 hrs	Required for the Associate in Arts, Emphasis in Communication.
COM 263: Elements of Intercultural Communication	3 hrs	Required for the Associate in Arts, Emphasis in Communication.
Lower Division Elective	5-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60



# Pathway Agreement



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**Maricopa Community College District**  
**Community Advocacy and Social Policy, BA Pathway**  
**2021-2022**


ASU Major: [Community Advocacy and Social Policy, BA](#) | College of Public Service and Community Solutions


## Pathway Requirements



First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs

Computer/Statistics/Quantitative Analysis [CS]  3 hrs Recommend a statistics course

Humanities, Arts, and Design [HU]  
 SWU 183: Introductory Ethics: A Social  
 Service Perspective OR   3 hrs


PHI 101: Introduction to Philosophy or  
 PHI 102: Introduction to Philosophy or  
 PHI 105: Introduction to Ethics


Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 SWU 182: A Social Services Perspective of  
 Government OR  3 hrs

POS 110: American National Government

PSY 101: Introduction to Psychology or  
 SOC 101: Introduction to Sociology   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science [SQ, SG]  4 hrs Recommend BIO 156 or BIO 160 or BIO 201.

General Education Awareness Areas [C, H, G]



## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Advocacy and Social Policy, BA degree program.



Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Historical Awareness [H] met by SWU 171.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	3 hrs		
SWU 181: Economics: A Social Issues Perspective OR	3 hrs		
ECN 211: Macroeconomic Principles			
SWU 250: Mindfulness for Stress Management	3 hrs		Satisfies ASU's Social Problems and Interventions requirement.
SWU 291: Social Service Delivery Systems	3 hrs		
Public Service Interdisciplinary Requirement	6 hrs		Students can choose courses from any of the three Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from two different groups. Courses from this requirement may be used to fulfill any qualifying AGEC requirements simultaneously.
Lower Division Elective	0-7 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

## Track/Groups

### Public Service Interdisciplinary Requirement

Public Service Interdisciplinary Requirement	
AJS 212: Juvenile Justice Procedures or AJS 225: Criminology or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Public Service Interdisciplinary Requirement-Area 1
Public Service Interdisciplinary Requirement	
PAD 100: 21st Century Public Policy and Service or PAD 200: Public Affairs Economics	Public Service Interdisciplinary Requirement-Area 2
Public Service Interdisciplinary Requirement	
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	Public Service Interdisciplinary Requirement-Area 3





# Pathway Agreement


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## Maricopa Community College District Community Development, BA Pathway 2021-2022




ASU Major: [Community Development, BA | Watts College of Public Service & Community Solut](#)

### Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs 	COM 225 can fulfill this requirement.
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Mathematical Studies [MA, CS] MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
Computer/Statistics/Quantitative Analysis [CS]	3 hrs 

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs  
Humanities, Arts, and Design [HU]	3 hrs 

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs  
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Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	Recommend BIO 156, BIO 160, or BIO 201.

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	3 hrs 

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Development, BA degree program.

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Community Development Interdisciplinary Requirement	6 hrs	Students can choose courses from any of the three Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

**Track/Groups**

Community Development Interdisciplinary Requirement

Community Development Interdisciplinary Requirement		
AJS 101: Introduction to Criminal Justice or AJS 113: Criminal Justice Crime Control Policies and Practices or AJS 212: Juvenile Justice Procedures or AJS 230: The Police Function or AJS 240: The Correction Function or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Community Development Interdisciplinary Requirement-Area 1	Community Development Interdisciplinary Requirement
PAD 100: 21st Century Public Policy and Service or PAD 200: Public Affairs Economics	Community Development Interdisciplinary Requirement-Area 2	
Interdisciplinary Requirement		
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare or SWU 181: Economics: A Social Issues Perspective or SWU 182: A Social Services Perspective of Government or SWU 183: Introductory Ethics: A Social Service Perspective or CPD 102AH: Stress Management or SWU 250: Mindfulness for Stress Management	Community Development Interdisciplinary Requirement-Area 3	Community Development

# Pathway Agreement

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**Maricopa Community College District**  
**Community Health, BS Pathway**  
**2021-2022**

ASU Major: [Community Health, BS](#) | College of Nursing and Health Innovation


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review or  
 MAT 146: College Mathematics with Review  3-6 hrs Or higher level course that meets [MA] requirement


PSY 230: Introduction to Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government   3 hrs

### Humanities, Arts, and Design [HU]

HCR 210: Clinical Health Care Ethics  3 hrs


Humanities, Arts, and Design [HU]  3 hrs



### Social-Behavioral Science [SB]

CFS 205: Human Development or  
 PSY 240: Developmental Psychology  3 hrs

PSY 101: Introduction to Psychology   3 hrs


### Natural Science [SQ, SG]


BIO 201: Human Anatomy and Physiology   4 hrs

CHM 130: Fundamental Chemistry and  
 CHM 130LL: Fundamental Chemistry  
 Laborat OR   4 hrs

CHM 130AA: Fundamental Chemistry with  
 Lab

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by HCR 230.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by HCR 220.


### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.




### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Health BS degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 202: Human Anatomy and Physiology	4 hrs 	
BIO 205: Microbiology	4 hrs 	
FON 241: Principles of Human Nutrition	3 hrs	
HCR 220: Introduction to Nursing and Health Care Systems	3 hrs	
HCR 230: Culture and Health	3 hrs	
HCR 240: Human Pathophysiology	4 hrs	
SOC 101: Introduction to Sociology	3 hrs 	
Lower Division Elective	0-1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Community Sports Management, BS Pathway**  
**2021-2022**


ASU Major: [Community Sports Management, BS | College of Public Service and Community Solutions](#)


## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 


<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	3 hrs		Meets MCCCDC Additional Communication Requirement.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs	
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs	
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	3 hrs	
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Humanities, Arts, and Design	3 hrs	
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<b>Social-Behavioral Science [SB]</b> REC 120: Leisure and the Quality of Life	3 hrs	
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Social-Behavioral Science [SB]	3 hrs	
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs	
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs	
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Historical or Global Awareness [H] or [G]	0-3 hrs		Historical Awareness [H] satisfied by SWU 171.
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MCCCDC Additional Requirements

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Sports Management BS degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Just or AJS 270: Community Relations	3 hrs 	
EXS 150: Introduction to Sports Management	3 hrs	
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: Programming of Recreation Services	3 hrs	
SWU 171: Introduction to Social Welfare or SWU 181: Economics: A Social Issues Perspective or SWU 182: A Social Services Perspective of Government or SWU 183: Introductory Ethics: A Social Service Perspective or SWU 250: Mindfulness for Stress Management or BHS 150: Introduction to Behavioral Health and Social Services	3 hrs	Select one of the indicated courses.
Lower Division Elective	0-10 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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## Maricopa Community College District Community Sports Management (Events), BS Pathway 2021-2022



ASU Major: [Community Sports Management \(Events\), BS | Watts College of Public Service & Community Solut](#)

### Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 



<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	3 hrs		Meets MCCCDC Additional Communication Requirement.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs	
<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs	

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs	
Humanities, Arts, and Design [HU]	3 hrs	

<b>Social-Behavioral Science [SB]</b> REC 120: Leisure and the Quality of Life	3 hrs	
Social-Behavioral Science [SB]	3 hrs	

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs		

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0-3 hrs		Historical Awareness [H] satisfied by SWU 171.

MCCCDC Additional Requirements


### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Sports Management (Events) BS degree program.



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Just or AJS 109: Substantive Criminal Law or AJS 212: Juvenile Justice Procedures or AJS 225: Criminology or AJS 270: Community Relations	3 hrs 	Select one of the indicated courses.
EXS 150: Introduction to Sports Management	3 hrs	
HRM 145: Events Management	3 hrs	
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: Programming of Recreation Services	3 hrs	
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
SWU 171: Introduction to Social Welfare or SWU 181: Economics: A Social Issues Perspective or SWU 182: A Social Services Perspective of Government or SWU 183: Introductory Ethics: A Social Service Perspective or SWU 250: Mindfulness for Stress Management or BHS 150: Introduction to Behavioral Health and Social Services	3 hrs	Select one of the indicated courses.

Total Required Credits: 60















# Pathway Agreement

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## Maricopa Community College District Computational Forensics, BS Pathway 2021-2022

ASU Major: [Computational Forensics, BS | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

First-Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  
Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	0-3 hrs 
Mathematical Studies [MA] MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs 
Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 
Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs 
Social-Behavioral Science [SB]	3 hrs 
Natural Science [SQ, SG] BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4-8 hrs 
BIO 182: General Biology (Majors) II	4 hrs 
Subject Options MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 



General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Computational Forensics BS degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	

**Additional Lower Division Requirements**

CIS 163AA: Java Programming: Level I or CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	3-4 hrs
CSC 200: Principles of Computer Science (Java) or CSC 200AA: Principles of Computer Science (Java) or CSC 200AB: Principles of Computer Science (Java) or CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures or CSC 205AC: Object Oriented Programming and Data Structures or CSC 205AD: Object Oriented Programming and Data Structures	3-4 hrs
CSC 210: Data Structures and Algorithms (Java) or CSC 210AA: Data Structures and Algorithms (Java) or CSC 210AB: Data Structures and Algorithms (Java)	3-4 hrs
CSC 240: Introduction to Different Programming Languages or CSC 240AA: Introduction to Different Programming Languages	3-4 hrs
FOR 105: Forensic Science: Physical Evidence	4 hrs
FOR 106: Forensic Science: Biological Evidence	4 hrs
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs

Total Required Credits: 61





# Pathway Agreement


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

**Maricopa Community College District**  
**Computational Mathematical Sciences, BS Pathway**  
**2021-2022**


ASU Major: [Computational Mathematical Sciences, BS](#) | College of Liberal Arts and Sciences


## Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 	3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 	3 hrs

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]		3 hrs
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Mathematical Studies [MA, CS] MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	 	4-5 hrs
CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science or CSC 110AB: Intro to Computer Science (JAVA)	 	3-4 hrs

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]		3 hrs	Humanities [HU] PHI 103 recommended, but not required, for meeting HU requirement.
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Humanities, Arts, and Design [HU]		3 hrs
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Social-Behavioral Science [SB] Social-Behavioral Science [SB]		3 hrs
Social-Behavioral Science [SB]		3 hrs

Natural Science [SQ, SG]



## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Mathematics and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU, and guarantees admission to the Computational Mathematical Sciences BS degree program.


Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. 3.0 cumulative GPA in tracking courses CSC 110, CSC 205, MAT 221, MAT 231, MAT 241. Each of these courses must be completed with a grade of "B" or better.

AST 111: Introduction to Solar System Astronomy and AST 113: Introduction to Solar System Astronomy Laboratory OR	4-5 hrs 	Complete a two-semester sequence lecture/lab combination. The same prefix must be selected for both Natural Science requirements.
BIO 181: General Biology (Majors) I OR		
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR		
GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab or GLG 101IN: Introduction to Geology I - Physical		
AST 112: Introduction to Stars, Galaxies, and Cosmology and AST 114: Intro to Stars, Galaxies, & Cosmology Laboratory OR	4-5 hrs 	Complete a two-semester sequence lecture/lab combination. The same prefix must be selected for both Natural Science requirements.
BIO 182: General Biology (Majors) II OR		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II OR		
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism OR		
GLG 102: Intro to GEOLOGY II-HISTORICAL LECTR and GLG 104: Intro to GEOLOGY II-HISTORICAL LAB or GLG 102IN: Introduction to Geology II - Historical		





**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 recommended, but not required, can satisfy Literacy and Critical Inquiry (L).

**Additional Lower Division Requirements**

CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures or CSC 205AC: Object Oriented Programming and Data Structures or CSC 205AD: Object Oriented Programming and Data Structures	3-4 hrs 	
CSC 240: Introduction to Different Pro or CSC 240AA: Introduction to Different Pro	3-4 hrs	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 	
Lower Division Science Sequence Course and SQ or SG Natural Science	8 hrs	Another one-year sequence of natural science is required for the major. Select courses that transfer as equivalencies to the track courses listed on the major map: <a href="https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACMSBS/null/ALL/2019">https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACMSBS/null/ALL/2019</a>
Lower Division Elective	0-3 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.







# Pathway Agreement


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## Maricopa Community College District Computer Information Systems, BS Pathway 2021-2022



ASU Major: [Computer Information Systems, BS | W. P. Carey School of Business](#)



### Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	 3 hrs	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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Mathematical Studies [MA, CS] MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles	 3 hrs
ECN 212: Microeconomic Principles	 3 hrs

Natural Science [SQ, SG] Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)


Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, Special Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.


Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.


CIS 162AD: C#: Level I	3 hrs
CIS 250: Management INFORMATION SYSTEM	3 hrs

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 
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COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
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GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs
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GBS 221: Business Statistics	3 hrs 
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MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs
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PSY Course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and [SB] designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
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SOC Course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and [SB] designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
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**Total Required Credits: 62**







# Pathway Agreement


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**Maricopa Community College District**  
**Computer Science, BS Pathway**  
**2021-2022**



ASU Major: [Computer Science, BS](#) | [Ira A. Fulton Schools of Engineering](#)



## Pathway Requirements

<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities, Arts, and Design, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 	See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.
Humanities, Arts, and Design [HU]	3 hrs 	

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 	See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.
Social-Behavioral Science [SB]	3 hrs 	

Natural Science [SQ, SG]

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Computer Science degree and AGECS. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Computer Science, BS degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University.

CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory or  
 CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory or  
 CHM 150AA: General Chemistry I or  
 CHM 151AA: General Chemistry I OR



4-5 hrs  
 Select a Chemistry, Physics, Biology, or  
 Geology sequence. For both Natural Science  
 requirements, select from the same subject area  
 or discipline.

PHY 115: University Physics I or  
 PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Biology (Majors) I OR

GLG 101IN: Introduction to Geology I- Physical or  
 GLG 101: Introduction to Geology I - Physical Lecture and  
 GLG 103: Introduction to Geology I - Physical Lab

CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II Laboratory or  
 CHM 152AA: General Chemistry II OR



4-5 hrs  
 Select a Chemistry, Physics, Biology, or  
 Geology sequence. For both Natural Science  
 requirements, select from the same subject area  
 or discipline.

PHY 116: University Physics II or  
 PHY 131: University Physics II: Electricity and Magnetism OR

BIO 182: General Biology (Majors) II or  
 BIO 182XT: General Biology (Majors) II OR

GLG 102IN: Introduction to Geology II - Historical or  
 GLG 102: Introduction to Geology II - Historical Lecture and  
 GLG 104: Introduction to Geology II - Historical Lab

#### Subject Options

MAT 230: Calculus with Analytic Geometry II 4-5 hrs  
 or  
 MAT 231: Calculus with Analytic Geometry II



MAT 240: Calculus with Analytic Geometry III 4-5 hrs  
 or  
 MAT 241: Calculus with Analytic Geometry III



#### General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]



0-3 hrs  
 Recommend selecting a course that satisfies  
 Cultural Diversity in the U. S. [C] and  
 Social-Behavioral Sciences [SB], or Humanities  
 and Fine Arts [HU] requirements simultaneously.

#### Historical or Global Awareness [H] or [G]



0-3 hrs  
 Recommend selecting a course that satisfies  
 Historical or Global Awareness [H] or [G] and  
 Social-Behavioral Sciences [SB], or Humanities  
 and Fine Arts [HU] requirements simultaneously.

#### MCCCD Additional Requirements

COM 100: Introduction to Human  
 Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



CRE 101: College Critical Reading



0-3 hrs Complete CRE 101 or equivalent.

#### Engineering Core


ECE 102: Engineering Analysis Tools an or  
 ECE 102AA: Engineering Analysis Tools an AND  
 ECE 103: Engineering Problem Solving a or  
 ECE 103AB: Engineering Problem Solving a or  
 ECE 103EP: Engineering Problem Solving and Design (with EPICS  
 projects)




4 hrs  
 The combination of these two courses transfer  
 as FSE 100 and ASU 101 at ASU. Students  
 must take both to get credit for both.

CSC 110: Introduction to Computer Science 3-4 hrs  
 or  
 CSC 110AA: Introduction to Computer  
 Science or  
 CSC 110AB: Intro to Computer Science  
 (JAVA)

CSC 120: Digital Design Fundamentals or  
 EEE 120: Digital Design Fundamentals 4 hrs

CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures or CSC 205AC: Object Oriented Programming and Data Structures or CSC 205AD: Object Oriented Programming and Data Structures	3-4 hrs	
CSC 230: Computer Organization and Assembly Language or EEE 230: Computer Organization and Assembly Language	4 hrs	
CSC 240: Introduction to Different Pro or CSC 240AA: Introduction to Different Programming Languages	3-4 hrs	

**Additional Lower Division Requirements**

MAT 227: Discrete Mathematical Structures	3 hrs	
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BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I OR	4-5 hrs	Additional Lab Science requirement: select a course not already used in the Natural Science [SQ, SG] sections above.
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CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I OR		Refer to CIDSE for Lab Science course requirements: <a href="http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreequireme">http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreequireme</a>
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GLG 101IN: Introduction to Geology I - Physical or GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab OR		
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PHY 115: University Physics I or PHY 121: University Physics I: Mechanics		
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ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.
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Total Required Credits: 66





# Pathway Agreement


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**Maricopa Community College District**  
**Computer Science (Cybersecurity), BS Pathway**  
**2021-2022**



ASU Major: [Computer Science \(Cybersecurity\), BS | Ira A. Fulton Schools of Engineering](#)



## Pathway Requirements

<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies L (Literacy & Critical Inquiry) and SB (Social-Behavioral Sciences) OR L (Literacy & Critical Inquiry) and HU (Humanities & Fine Arts), OR L (Literacy & Critical Inquiry) and COM, or L (Literacy & Critical Inquiry) and CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 	See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.
Humanities, Arts, and Design [HU]	3 hrs 	

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 	See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.
Social-Behavioral Science [SB]	3 hrs 	

Natural Science [SQ, SG]


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate of Science, Emphasis in Computer Science degree and AGECS. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Computer Science (Cybersecurity), BS degree program.


In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science (Cybersecurity) BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University.

PHY 115: University Physics I or  
 PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR  4-5 hrs Select a Physics, Biology, Chemistry, or Geology sequence. For both Natural Science requirements, select from the same subject area or discipline.

BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Biology (Majors) I OR

CHM 150AA: General Chemistry I or  
 CHM 151AA: General Chemistry I or  
 CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory or  
 CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory OR

GLG 101IN: Introduction to Geology I - Physical or  
 GLG 101: Introduction to Geology I - Physical Lecture and  
 GLG 103: Introduction to Geology I - Physical Lab


PHY 116: University Physics II or  
 PHY 131: University Physics II: Electricity and Magnetism OR  4-5 hrs Select a Physics, Biology, Chemistry, or Geology sequence. For both Natural Science requirements, select from the same subject area or discipline.


BIO 182: General Biology (Majors) II or  
 BIO 182XT: General Biology (Majors) II OR

CHM 152AA: General Chemistry II or  
 CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II Laboratory OR


GLG 102IN: Introduction to Geology II - Historical or  
 GLG 102: Introduction to Geology II - Historical Lecture and  
 GLG 104: Introduction to Geology II - Historical Lab


**Subject Options**

MAT 230: Calculus with Analytic Geometry II  4-5 hrs  
 or  
 MAT 231: Calculus with Analytic Geometry II


MAT 240: Calculus with Analytic Geometry III  4-5 hrs  
 or  
 MAT 241: Calculus with Analytic Geometry III


**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]  0-3 hrs Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.


Historical or Global Awareness [H] or [G]  0-3 hrs Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

**MCCCD Additional Requirements**


COM 100: Introduction to Human Communication or  0-3 hrs  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication


CRE 101: College Critical Reading  0-3 hrs Complete CRE 101 or equivalent.

**Engineering Core**

ECE 102: Engineering Analysis Tools an or  
 ECE 102AA: Engineering Analysis Tools an AND  4 hrs The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.


ECE 103: Engineering Problem Solving a or  
 ECE 103AB: Engineering Problem Solving a or  
 ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)


CSC 110: Introduction to Computer Science  3-4 hrs  
 or  
 CSC 110AA: Introduction to Computer Science or  
 CSC 110AB: Intro to Computer Science (JAVA)

CSC 120: Digital Design Fundamentals or  
 EEE 120: Digital Design Fundamentals  4 hrs

CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures or CSC 205AC: Object Oriented Programming and Data Structures or CSC 205AD: Object Oriented Programming and Data Structures	3-4 hrs	
CSC 240: Introduction to Different Pro or CSC 240AA: Introduction to Different Programming Languages	3-4 hrs	
CSC 230: Computer Organization and Assembly Language or EEE 230: Computer Organization and Assembly Language	4 hrs	

**Additional Lower Division Requirements**

MAT 227: Discrete Mathematical Structures	3 hrs	
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BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I OR	4-5 hrs		Additional Lab Science requirement: select a course not already used in the Natural Science [SQ, SG] sections above.
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR			Refer to CIDSE for Lab Science course requirements: <a href="http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequireme">http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequireme</a>
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR			
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I OR			
GLG 101IN: Introduction to Geology I - Physical OR			
GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab OR			
PHY 115: University Physics I or PHY 121: University Physics I: Mechanics			
ECE 104: EPICS Gold I	0-2 hrs		EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 66





# Pathway Agreement


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**Maricopa Community College District**  
**Computer Science (Software Engineering), BS Pathway**  
**2021-2022**



ASU Major: [Computer Science \(Software Engineering\), BS | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements

<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies L (Literacy & Critical Inquiry) and SB (Social-Behavioral Sciences), OR L (Literacy & Critical Inquiry) and HU (Humanities & Fine Arts), OR L (Literacy & Critical Inquiry) and COM, or L (Literacy & Critical Inquiry) and CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 	See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.
Humanities, Arts, and Design [HU]	3 hrs 	

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 	See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.
Social-Behavioral Science [SB]	3 hrs 	

Natural Science [SQ, SG]

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Computer Science degree and AGECS. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Computer Science (Software Engineering), BS degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science (Software Engineering) BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University.

CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory or  
 CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory or  
 CHM 150AA: General Chemistry I or  
 CHM 151AA: General Chemistry I OR



4-5 hrs  
 Select a Chemistry, Physics, Biology, or  
 Geology sequence. For both Natural Science  
 requirements, select from the same subject area  
 or discipline.

PHY 115: University Physics I or  
 PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR

BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Biology (Majors) I OR

GLG 101IN: Introduction to Geology I - Physical or  
 GLG 101: Introduction to Geology I - Physical Lecture and  
 GLG 103: Introduction to Geology I - Physical Lab

CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II Laboratory or  
 CHM 152AA: General Chemistry II OR



4-5 hrs  
 Select a Chemistry, Physics, Biology, or  
 Geology sequence. For both Natural Science  
 requirements, select from the same subject area  
 or discipline.

PHY 116: University Physics II or  
 PHY 131: University Physics II: Electricity and Magnetism OR

BIO 182: General Biology (Majors) II or  
 BIO 182XT: General Biology (Majors) II OR

GLG 102IN: Introduction to Geology II - Historical or  
 GLG 102: Introduction to Geology II - Historical Lecture and  
 GLG 104: Introduction to Geology II - Historical Lab

#### Subject Options

MAT 230: Calculus with Analytic Geometry II 4-5 hrs  
 or  
 MAT 231: Calculus with Analytic Geometry II



MAT 240: Calculus with Analytic Geometry III 4-5 hrs  
 or  
 MAT 241: Calculus with Analytic Geometry III



#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

0-3 hrs



Recommend selecting a course that satisfies  
 Cultural Diversity in the U. S. [C] and  
 Social-Behavioral Sciences [SB], or Humanities  
 and Fine Arts [HU] requirements simultaneously.

Historical or Global Awareness [H] or [G]

0-3 hrs



Recommend selecting a course that satisfies  
 Historical or Global Awareness [H] or [G] and  
 Social-Behavioral Sciences [SB], or Humanities  
 and Fine Arts [HU] requirements simultaneously.

#### MCCCD Additional Requirements

COM 100: Introduction to Human  
 Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Biology (Majors) I OR

0-5 hrs

Additional Lab Science requirement: select a  
 course not already used in the Natural Science  
 [SQ, SG] sections above.

CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory or  
 CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I or  
 CHM 150AA: General Chemistry I or  
 CHM 151AA: General Chemistry I OR

Refer to CIDSE for Lab Science course  
 requirements:

<http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequireme>

GLG 101IN: Introduction to Geology I or  
 GLG 101: Introduction to Geology I - Physical Lecture and  
 GLG 103: Introduction to Geology I - Physical Lab OR



PHY 115: University Physics I or  
 PHY 121: University Physics I: Mechanics

CSC 205: Object Oriented Programming and  
 Data Structures or  
 CSC 205AA: Object Oriented Programming  
 and Data Structures or  
 CSC 205AB: Object Oriented Programming  
 and Data Structures or  
 CSC 205AC: Object Oriented Programming  
 and Data Structures or  
 CSC 205AD: Object Oriented Programming  
 and Data Structures

3-4 hrs





CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	3-4 hrs		
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs		
CSC 240: Introduction to Different Programming Languages or CSC 240AA: Introduction to Different Programming Languages	3-4 hrs		
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs		The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)			
EEE 230: Computer Organization and Assembly Language or CSC 230: Computer Organization and Assembly Language	4 hrs		
MAT 227: Discrete Mathematical Structures	3 hrs		
ECE 104: EPICS Gold I	0-2 hrs		EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 62

# Pathway Agreement

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## Maricopa Community College District Computer Systems Engineering, BSE Pathway 2021-2022

ASU Major: [Computer Systems Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### Engineering Core

ECE 102: Engineering Analysis Tools and or  
ECE 102AA: Engineering Analysis Tools and Techniques AND



4 hrs

The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.

ECE 103: Engineering Problem Solving and Design or  
ECE 103AB: Engineering Problem Solving and Design or  
ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

ENG 101: First-Year Composition OR  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition OR  
ENG 108: First-Year Composition for ESL



3 hrs

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III



4-5 hrs

MAT 276: Modern Differential Equations or  
MAT 277: Modern Differential Equations



3 hrs

PHY 121: University Physics I: Mechanics  
PHY 131: University Physics II: Electricity  
and Magnetism



4 hrs



4 hrs

Humanities, Arts, and Design [HU] and  
General Education Awareness Areas [C, H, G]



3 hrs

Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.

Social-Behavioral Science [SB] and  
General Education Awareness Areas [C, H, G]



3 hrs

Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

#### Additional Lower Division Requirements

EEE 202: Circuits and Devices

5 hrs

Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete EEE 202, MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 or CSC 240 and CSC 230 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR



0-4 hrs

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR

BIO 181: General Biology (Majors) I OR

BIO 182: General Biology (Majors) II

#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.




#### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Computer Systems Engineering BSE degree program.

A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better.

Engineering Core courses should be prioritized over Additional Lower Division Requirements.

Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science or CSC 110AB: Intro to Computer Science (JAVA)	3-4 hrs 	
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures	3-4 hrs 	
CSC 220: Programming for Computer Engineers or EEE 220: Programming for Computer Engineering or CSC 240: Introduction to Different Programming Languages or CSC 240AA: Introduction to Different Programming Languages	3 hrs	
CSC 230: COMPUTER ORG & ASSEMBLY LANGUAGE or EEE 230: COMPUTER ORG and ASSEMBLY LANGUAGE	4 hrs	
MAT 227: Discrete Mathematical Structures	 3 hrs	MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 must be taken before other elective options.
Humanities, Arts, and Design [HU] and General Education Awareness Areas [C, H, G]	0-3 hrs	Students should try to cover all awareness areas with their four HU/SB courses.
Social-Behavioral Science [SB] and General Education Awareness Areas [C, H, G]	0-3 hrs	Students should try to cover all awareness areas with their four HU/SB courses.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 64

# Pathway Agreement

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## Maricopa Community College District Computer Systems Engineering (Cybersecurity), BSE Pathway 2021-2022

ASU Major: [Computer Systems Engineering \(Cybersecurity\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### Engineering Core

ECE 102: Engineering Analysis Tools and  
ECE 102AA: Engineering Analysis Tools and Techniques AND

4 hrs



The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both classes to get credit for both.

ECE 103: Engineering Problem Solving and Design or  
ECE 103AB: Engineering Problem Solving and Design or  
ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

ENG 101: First-Year Composition OR  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition OR  
ENG 108: First-Year Composition for ESL



3 hrs

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III



4-5 hrs

MAT 276: Modern Differential Equations or  
MAT 277: Modern Differential Equations



3-4 hrs

PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS



4 hrs

PHY 131: University Physics II: Electricity  
and Magnetism



4 hrs

Humanities, Arts, and Design [HU] and  
General Education Awareness Areas [C, H, G]

3 hrs



Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.

Social-Behavioral Science [SB] and  
General Education Awareness Areas [C, H, G]

3 hrs



Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

#### Additional Lower Division Requirements

EEE 202: Circuits and Devices

5 hrs

Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete EEE 202, MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

0-4 hrs



CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR

BIO 181: General Biology (Majors) I OR

BIO 182: General Biology (Majors) II

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.




### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Computer Systems Engineering (Cybersecurity) BSE degree program.

A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better.

Engineering Core courses should be prioritized over Additional Lower Division Requirements.

Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Intro to Computer Science (JAVA)	3-4 hrs 	
CSC 120: Digital Design Fundamentals	4 hrs	
CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures	3-4 hrs 	
CSC 220: Programming for Computer Engineers or EEE 220: PROGRAMMING for COMPUTER ENGINEERING	3 hrs	
CSC 230: COMPUTER ORG & ASSEMBLY LANGUAGE	4 hrs	
MAT 227: Discrete Mathematical Structures	3 hrs 	MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 must be taken before other elective options
Humanities, Arts, and Design [HU] and General Education Awareness Areas [C, H, G]	0-3 hrs	Students should try to cover Cultural, Global, and Historical awareness areas within all of their HU/SB Courses.
Social-Behavioral Science [SB] and General Education Awareness Areas [C, H, G]	0-3 hrs	Students should try to cover Cultural, Global, and Historical awareness areas within all of their HU/SB Courses.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 64





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## Maricopa Community College District Conflict Resolution, BA Pathway 2021-2022



ASU Major: [Conflict Resolution, BA | New College of Interdisciplinary Arts and Sciences](#)



### Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 	Recommend POS 115, which can be also used to fulfill 3 credit hours of Politics and Social Problems Focus Area OR Communication and Ethics Focus Area.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

<b>Social-Behavioral Science [SB]</b> COM 100: Introduction to Human Communication	3 hrs  
COM 230: Small Group Communication	3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend COM 163, which can also be used to fulfill 3 credit hours of Interpersonal Dynamics Focus Area.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend POS 125, which can be also used to fulfill 3 credit hours of Global Awareness Focus Area.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Conflict Resolution BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 100.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Focus Area Courses	0-6 hrs	Students will choose two Focus Areas from which up to six credit hours can be taken at the community college. Focus Areas include: Communication and Ethics; Global Awareness; Interpersonal Dynamics; or Politics and Social Problems. Courses cannot be used to fulfill multiple Focus Area requirements. Courses may be taken after transfer.
Lower Division Elective	0-25 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

**Track/Groups**

Focus Area Courses

Focus Area Courses	
COM 163: Intercultural Communication in Everyday Life or COM 263: ELEMENTS OF INTERCULTURAL COMM	Interpersonal Dynamics Focus Area <b>Focus Area Courses</b>
POS 115: Issues in American Politics	Politics and Social Problems Focus Area OR Communication and Ethics Focus Area <b>Focus Area</b>
Courses	
POS 125: Issues in World Politics	Global Awareness and Historical Context Focus Area
Focus Area Courses	
SOC 241: Race and Ethnic Relations	Politics and Social Problems Focus Area
Focus Area Courses	
SOC 251: Social Problems	Politics and Social Problems Focus Area

# Pathway Agreement

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## Maricopa Community College District Construction Engineering, BSE Pathway 2021-2022

ASU Major: [Construction Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 	3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 	3 hrs
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND		4 hrs
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	 	4-5 hrs
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	 	4-5 hrs
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	 	4-5 hrs
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations		3-4 hrs
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	 	4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	 	4-5 hrs
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR CHM 150AA: General Chemistry I OR CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR CHM 151AA: General Chemistry I	 	4-5 hrs
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR CHM 152AA: General Chemistry II	 	4 hrs
Humanities, Arts, and Design and AGEC Awareness Areas		3 hrs
Social-Behavioral Science and AGEC Awareness Areas		3 hrs

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Construction Engineering BSE degree program.



A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better.

Engineering Core courses should be prioritized over Additional Lower Division Requirements.

Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.



**Additional Lower Division Requirements**

MAT 225: Elementary Linear Algebra	3 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215 and ECN 211 or ECN 212 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamic	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles	3 hrs 	
ECE 111: Bioengineering Systems or GLG 101: Introduction to Geology I - Physical Lecture or BIO 181: General Biology (Majors) I or BIO 182: General Biology (Majors) II	3-4 hrs 	
CON 271: Construction Safety	3 hrs	
EEE 202: Circuits and Devices	5 hrs	
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 73





# Pathway Agreement


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## Maricopa Community College District Construction Management and Technology, BS Pathway 2021-2022


ASU Major: [Construction Management and Technology, BS | Ira A. Fulton Schools of Engineering](#)


### Pathway Requirements





<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 150: College Algebra/Functions and MAT 182: Plane Trigonometry OR  MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry OR  MAT 152: College Algebra/Functions and MAT 182: Plane Trigonometry OR  MAT 155: College Algebra/Functions with Review and MAT 182: Plane Trigonometry OR  MAT 156: College Algebra/Functions with Review and MAT 182: Plane Trigonometry OR  MAT 187: Precalculus	  5-9 hrs
MAT 206: Elements of Statistics	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> CON 101: Construction and Culture	 3 hrs
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Humanities, Arts, and Design [HU]	 3 hrs	Select one course that fulfills both Humanities, Arts, and Design [HU] and Cultural Diversity in the U.S. [C].
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<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> PHY 111: General Physics I	  4 hrs
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Natural Science [SQ]	 4 hrs	Select another SQ within the Natural Science requirement.
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### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Construction Management BS degree program.


Minimum transfer GPA of 3.00 **and** no high school math or science competency deficiencies. OR Minimum transfer GPA of 2.50, **and** Minimum GPA of 2.75 in all ASU Tracking courses (refer to major map for Critical Courses), **and** no high school math or science competency deficiencies.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>.

All courses must be completed with a grade of "C" or better.

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]

0-3 hrs  


Historical or Global Awareness [H] or [G] 0 hrs  Satisfied by CON 101.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0 hrs  


Satisfied by COM 225.

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CON 100: Introduction to Construction 3 hrs

CET 211: Strength of Materials or  
 CON 223: Strength of Materials 3 hrs

CON 221: Applied Statics 3 hrs

CON 241: Surveying 3 hrs

CON 243: Heavy Construction Equipment,  
 Methods, and Materials 3 hrs

CON 244: Working Drawing Analysis:  
 Blueprint Reading 3 hrs

CON 252: Building Construction Methods,  
 Materials, and Equipment 3 hrs

CON 251: Microcomputers for Constructors 3 hrs

CON 271: Construction Safety 0-3 hrs May be taken after transferring.

CON 273: Electrical Construction  
 Fundamentals 3 hrs

ECE 104: EPICS Gold I 0-2 hrs  
 EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 64

# Pathway Agreement



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## Maricopa Community College District Counseling and Applied Psychological Science, BS Pathway 2021-2022

ASU Major: [Counseling and Applied Psychological Science, BS | College of Integrative Sciences and Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

CAP 260: Career and Professional  
Preparation for the Helping Professions or  
CPD 260: Career and Professional  
Preparation for the Helping Professions  3 hrs

#### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR   5-9 hrs


MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 187: Precalculus


PSY 230: Introduction to Statistics  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

#### Social-Behavioral Science [SB]

CPD 120: Introduction to Counseling or  
CAP 120: Introduction to Counseling  3 hrs

PSY 101: Introduction to Psychology  3 hrs






Natural Science [SQ, SG]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Counseling and Applied Psychological Science and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Counseling and Applied Psychological Science, BS degree program.

Any Course that transfers to ASU with an ABS or BIO prefix and meets [SQ]	4 hrs		Check the Course Equivalency Guide on <a href="http://aztransfer.com">aztransfer.com</a> to verify that the course selected transfers to ASU as ABS or BIO and meets [SQ] the semester it is taken.
PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs		
<b>General Education Awareness Areas [C, H, G]</b>			
CPD 220: The Counselor in a Multicultural Society or CAP 220: The Counselor in a Multicultural Society	3 hrs		
Historical or Global Awareness [H] or [G]	0-3 hrs		
<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
CPD 240: Introduction to Counseling Skills or CAP 240: Introduction to Counseling Skills	3 hrs		
Lower Division Elective	3-14 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District


### Counseling and Applied Psychological Science (Substance Abuse and Addictions), BS Pathway


2021-2022

ASU Major: [Counseling and Applied Psychological Science \(Substance Abuse and Addictions\), BS](#) | College of Integrative Sciences and Arts


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs

##### Literacy and Critical Inquiry [L]

CPD 260: Career and Professional Preparation for the Helping Professions or  
CAP 260: Career and Professional Preparation for the Helping Professions  3 hrs

##### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR  5-9 hrs

MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 187: Precalculus

PSY 230: Introduction to Statistics 3 hrs


##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs


Humanities, Arts, and Design [HU] 3 hrs


##### Social-Behavioral Science [SB]

CPD 120: Introduction to Counseling or  
CAP 120: Introduction to Counseling 3 hrs

PSY 101: Introduction to Psychology  3 hrs

##### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Bio (Majors) I  4 hrs

PSY 290AB: Research Methods or  
PSY 290AC: Research Methods  4 hrs

#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Counseling and Applied Psychological Science and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Counseling and Applied Psychological Science (Substance Abuse and Addictions), BS degree program.

**General Education Awareness Areas [C, H, G]**

CPD 220: The Counselor in a Multicultural Society or  
CAP 220: The Counselor in a Multicultural Society 3 hrs

Historical or Global Awareness [H] or [G] 0-3 hrs

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication 3 hrs

CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CPD 240: Introduction to Counseling Skills or  
CAP 240: Introduction to Counseling Skills 3 hrs

Lower Division Elective 14 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



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## Maricopa Community College District Criminology and Criminal Justice, BS Pathway 2021-2022

ASU Major: [Criminology and Criminal Justice, BS | College of Public Service and Community Solutions](#)


### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs


#### Mathematical Studies [MA, CS]


MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
OR

MAT 150: College Algebra/Functions or  
MAT 151: College Algebra/Functions or  
MAT 152: College Algebra/Functions or  
MAT 155: College Algebra/Functions with  
Review or  
MAT 156: College Algebra/Functions with  
Review


Computer/Statistics/Quantitative Analysis  3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Maricopa recommends AJS 123.


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

BHS 150: Introduction to Behavioral Health and Social Services or  
SWU 171: Introduction to Social Welfare  3 hrs The Criminology and Criminal Justice, BS degree requires 9 credit hours (3 courses) to fulfill the Public Programs Interdisciplinary requirement. Two courses are taken prior to transfer to ASU. The remaining course will be taken after transfer.

PSY 101: Introduction to Psychology or  
SOC 101: Introduction to Sociology   3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Criminal Justice and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Criminology and Criminal Justice, BS degree program.



General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]

0-3 hrs  


Historical or Global Awareness [H] or [G]

0 hrs  


Satisfied by SWU 171.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading and Critical Thinking

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

AJS 101: Introduction To Criminal Justice

3 hrs

AJS 113: Criminal Justice Crime Control

3 hrs

AJS 230: The Police Function

3 hrs

AJS 240: The Correction Function

3 hrs

AJS 212: Juvenile Justice Procedures OR

6 hrs

Select two courses from these options.

AJS 109: Substantive Criminal Law OR

AJS 270: Community Relations

REC 120: Leisure and the Quality of Life

3 hrs

The Criminology and Criminal Justice, BS degree requires 9 credit hours (3 courses) to fulfill the Public Program interdisciplinary requirement. Two courses are taken prior to transfer to ASU. The remaining course will be taken after transfer.

Criminal Justice Elective

3 hrs

Criminal Justice Elective: Select one course (3 hours) that transfers to ASU as a 200-level course with CRJ prefix. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective

0-3 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 62





# Pathway Agreement

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**Maricopa Community College District**  
**Dance, BFA Pathway**  
**2021-2022**



ASU Major: [Dance, BFA | Herberger Institute for Design and the Arts](#)



## Pathway Requirements




<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> DAH 100: Introduction to Dance	 3 hrs
DAH 201: World Dance Studies	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs	Selecting a course that also meets Cultural Diversity [C] is recommended.
Social-Behavioral Science [SB]	 3 hrs	Per MCCCCD, COM 100 or COM 110 or COM 230 are recommended to also meet MCCCCD additional requirement.

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	  4 hrs	Select at least one SQ within the Natural Science requirement  Per MCCCCD requirements, BIO 160 or BIO 201 are required for the AAFA, Emphasis in Dance. Check Course Equivalency Guide on <a href="#">aztransfer.com</a> for the SQ or SG value in place the semester the course is taken.
Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement

General Education Awareness Areas [C, H, G]

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

### Bachelor of Fine Arts in Dance or Bachelor of Fine Arts in Dance Education

- Acceptance into the BFA Dance or BFA Dance Education programs are contingent upon students having an Associates in Arts, Fine Arts (AAFA), Emphasis in Dance degree and a successful dance interview the semester before transferring to ASU. Visit [asu.edu/admissions/bachelor-of-fine](http://asu.edu/admissions/bachelor-of-fine) for dance interview application and deadline.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Global Awareness [G] satisfied by DAH 201.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

DAN 150: Dance Performance I	1 hrs		
DAN 210: Dance Production I	3 hrs		
DAN 221: Rhythmic Awareness I	3 hrs		
DAN 264: Choreography I	3 hrs		
DAN 280: Dance Practicum	2 hrs		
<b>Personal Movement Practice Courses</b>	<b>9 hrs</b>		Choose 9 credits of dance courses to fulfill specific lower division Personal Movement Practice requirements at ASU from the course list below.
DAN 170: Dance Kinesiology or DAN 220: Dance Career Preparation or DAN 265: Choreography II	6 hrs		Choose two courses. Meets Restricted Electives requirement on the Associate in Arts, Fine Arts?Dance.
Successful completion of dance interview	0 hrs		See special requirements.

Total Required Credits: 62

## Track/Groups

### Personal Movement Practice Courses

Personal Movement Practice Courses
DAN 131: Ballet I or DAN 132: Modern Dance I or DAN 133: Jazz Dance I or DAN 134: Ballet II or DAN 135: Modern Dance II or DAN 136: Jazz Dance II or DAN 231: Ballet III or DAN 231AA: Ballet III: Intensive or DAN 232: Modern Dance III or DAN 232AA: Modern Dance III: Intensive or DAN 233: Jazz Dance III or DAN 233AA: Jazz Dance III: Intensive or DAN 234: Ballet IV or DAN 234AA: Ballet IV: Intensive or DAN 235: Modern Dance IV or DAN 236: Jazz Dance IV or DAN 236AA: Jazz Dance IV: Intensive or DAN 290AA: Dance Conservatory I or DAN 290AB: Dance Conservatory I or DAN 290AC: Dance Conservatory I or DAN 291AA: Dance Conservatory II or DAN 291AB: Dance Conservatory II or DAN 291AC: Dance Conservatory II or DAN 292AA: Dance Conservatory III or DAN 292AB: Dance Conservatory III or DAN 292AC: Dance Conservatory III

# Pathway Agreement



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## Maricopa Community College District Dance (Dance Education), BFA Pathway 2021-2022


ASU Major: [Dance \(Dance Education\), BFA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs



Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L] 3 hrs



Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs



Computer/Statistics/Quantitative Applications  
[CS]  3 hrs

Humanities, Arts, and Design [HU]  
DAH 100: Introduction to Dance  3 hrs


DAH 201: World Dance Studies  3 hrs

Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]   3 hrs Selecting a course that also meets Cultural  
Diversity [C] is recommended.

Social-Behavioral Science [SB]   3 hrs Per MCCCC, COM 100 or COM 110 or COM  
230 are recommended to also meet MCCCC  
additional requirement.

Natural Science [SQ, SG]  
Natural Science [SQ, SG]   4 hrs Select at least one SQ within the Natural  
Science requirement

Per MCCCC requirements, BIO 160 or BIO 201  
are required for the AAFA, Emphasis in Dance.  
Check Course Equivalency Guide on  
aztransfer.com for the SQ or SG value in place  
the semester the course is taken.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

#### Bachelor of Fine Arts in Dance or Bachelor of Fine Arts in Dance Education

- Acceptance into the BFA Dance or BFA Dance Education programs are contingent upon students having an Associates in Arts, Fine Arts (AAFA), Emphasis in Dance degree - Dance degree and a successful dance interview the semester before transferring to ASU. Visit [asu.edu/admissions/bachelor-of-fine](http://asu.edu/admissions/bachelor-of-fine) for dance interview application and deadline.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0 hrs	Satisfied by DAH 201. 

<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
DAN 150: Dance Performance I	1 hrs	
DAN 210: Dance Production I	3 hrs	
DAN 221: Rhythmic Awareness I	3 hrs	
DAN 264: Choreography I	3 hrs	
DAN 280: Dance Practicum	2 hrs	
<b>Personal Movement Practice Courses</b>	<b>9 hrs</b>	Choose 9 credits of dance courses to fulfill specific lower division Personal Movement Practice requirements at ASU from the course list below.
DAN 170: Dance Kinesiology OR DAN 220: Dance Career Preparation OR DAN 265: Choreography II	6 hrs	Choose two courses. Meets Restricted Electives requirement on the Associate in Arts, Fine Arts-Dance.
Successful completion of dance interview	0 hrs	See special requirements.

Total Required Credits: 62

## Track/Groups

### Personal Movement Practice Courses

Personal Movement Practice Courses
DAN 131: Ballet I or DAN 132: Modern Dance I or DAN 133: Jazz Dance I or DAN 134: Ballet II or DAN 135: Modern Dance II or DAN 136: Jazz Dance II or DAN 231: Ballet III or DAN 231AA: Ballet III: Intensive or DAN 232: Modern Dance III or DAN 232AA: Modern Dance III: Intensive or DAN 233: Jazz Dance III or DAN 233AA: Jazz Dance III: Intensive or DAN 234: Ballet IV or DAN 234AA: Ballet IV: Intensive or DAN 235: Modern Dance IV or DAN 236: Jazz Dance IV or DAN 236AA: Jazz Dance IV: Intensive or DAN 290AA: Dance Conservatory I or DAN 290AB: Dance Conservatory I or DAN 290AC: Dance Conservatory I or DAN 291AA: Dance Conservatory II or DAN 291AB: Dance Conservatory II or DAN 291AC: Dance Conservatory II or DAN 292AA: Dance Conservatory III or DAN 292AB: Dance Conservatory III or DAN 292AC: Dance Conservatory III



# Pathway Agreement

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**Maricopa Community College District**  
**Dietetics, BS Pathway**  
**2021-2022**


ASU Major: [Dietetics, BS | College of Health Solutions](#)



## Pathway Requirements

**First Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

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ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

**Literacy and Critical Inquiry [L]**  
 EXS 290: Introduction to Evidence-Based  
 Practice  3 hrs


**Mathematical Studies [MA, CS]**  
 MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 151AA: College Algebra/Functions I or  
 MAT 151AB: College Algebra/Functions II or  
 MAT 151AC: College Algebra/Functions III or  
 MAT 151AD: College Algebra/Functions IV  
 or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with  
 Review or  
 MAT 156: College Algebra/Functions with  
 Review   3-5 hrs



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PSY 230: Introduction to Statistics 3 hrs


**Humanities, Arts, and Design [HU]**  
 Humanities, Arts, and Design [HU]  3 hrs



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Humanities, Arts, and Design [HU]  3 hrs

**Social-Behavioral Science [SB]**  
 PSY 101: Introduction to Psychology   3 hrs

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Social-Behavioral Science [SB]  3 hrs

**Natural Science [SQ, SG]**  
 CHM 130: Fundamental Chemistry and  
 CHM 130LL: Fundamental Chemistry  
 Laborat OR   4 hrs

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CHM 130AA: Fundamental Chemistry with  
 Lab

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BIO 201: Human Anatomy and Physiology I   4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Dietetics BS degree program.

All courses must be completed with a grade of "C" or better.




ASU's Dietetics BS degree meets the Academy of Nutrition and Dietetics Didactic Program in Dietetics (DPD) requirements which qualifies students to apply for a Dietetic Internship.

Students must maintain a 3.0 cumulative gpa to remain in the major at ASU.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements BIO 202: Human Anatomy and Physiology II	4 hrs	
BIO 205: Microbiology	4 hrs	
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Laboratory	4 hrs	
FON 125: Introduction to Professions in Food, Nutrition, and Dietetics	1 hrs	
FON 142AB: Applied Food Principles	3 hrs	
FON 241: Principles of Human Nutrition	3 hrs	

Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Digital Culture (Art), BA Pathway 2021-2022


ASU Major: [Digital Culture \(Art\), BA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


Computer/Statistics/Quantitative Analysis  3 hrs


Humanities, Arts, and Design [HU]  
ARH 102: Renaissance Through  
Contemporary or  
ARH 115: History of Photography   3 hrs

Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one course with the SQ designation. PHY 101 is recommended.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs [C] can be shared with [SB].

Historical or Global Awareness [H] or [G]  0-3 hrs [H] will be satisfied if ARH 102 taken. [G] can be shared with [HU].

MCCCD Additional Requirements

### Pathway Notes




Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Art), BA degree program.

Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit: <http://herbergerinstitute.asu.edu/degrees/digital>



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ARH 102: College Critical Reading and Critical Thinking or ARH 115: History of Photography or DAH 100: Introduction to Dance or DAH 250: Dance in Popular Culture or HUM 205: Introduction to Cinema or HUM 206: INTRODUCTION TO TELEVISION ARTS or HUM 210: Contemporary Cinema or MHL 140: Survey of Music History or MHL 143: Music in World Cultures or MHL 145: American Jazz and Popular Music or MHL 146: Survey of Broadway Musicals or MHL 153: Rock Music and Culture or MHL 155: Survey of American Music or THE 111: Introduction to Theatre or THF 206: Introduction to Television Arts or THF 210: Contemporary Cinema	3 hrs 	If a course on the approved HU course list is selected, it may be shared with HU.
ART 111: Drawing I or ART 112: Two-Dimensional Design or ART 113: Color	3 hrs 	
ART 185: 3-D Modeling for Animation or ART 284: Intermedia Animation or CIS 120DC: Adobe Animate: Digital Animation or ART 202: Digital Arts Survey	3 hrs	
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photo or MTC 191: Electronic Music I or ART 184: Computer Animation or CIS 133DA: Internet/Web Development Level I	3 hrs	
CIS 120DA: Introduction to Digital Video Editing: Adobe Premiere or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or CIS 120DK: Introduction to Digital Video Editing or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or CIS 120AJ: Introduction to Digital Photo Editing	1-3 hrs	
CIS 163AA: Java Programming: Level I or CSC 110: Introduction to Computer Science (Java)	3 hrs	
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement


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## Maricopa Community College District Digital Culture (Film), BA Pathway 2021-2022

ASU Major: [Digital Culture \(Film\), BA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


Computer/Statistics/Quantitative Analysis  3 hrs


#### Humanities, Arts, and Design [HU]

HUM 210: Contemporary Cinema or  
THF 210: Contemporary Cinema  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement. PHY 101 is recommended.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs



MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Film) BA degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art or ARH 112: History of Modern Art or DAH 100: Introduction to Dance or DAH 250: Dance in Popular Culture or HUM 205: Introduction to Cinema or HUM 206: INTRODUCTION TO TELEVISION ARTS or MHL 140: Survey of Music History or MHL 143: Music in World Cultures or MHL 145: American Jazz and Popular Music or MHL 146: Survey of Broadway Musicals or MHL 153: Rock Music and Culture or MHL 155: Survey of American Music or THE 111: Introduction to Theatre or THF 206: Introduction to Television Arts or THF 205: Introduction to Cinema	3 hrs		
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photography or MTC 191: Electronic Music I or ART 184: Computer Animation or ADA 184: Computer Animation or MMT 184: Computer Animation or MMT 190: Art of Web Site Design	3 hrs		
CIS 120DA: Introduction to Digital Video Editing: Adobe Premiere or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or CIS 120DK: Introduction to Digital Vvideo Editing or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or CIS 120AJ: Introduction to Digital Photo Editing	1-3 hrs		
CIS 163AA: Java Programming: Level I or CSC 110: Introduction to Computer Science (Java)	3 hrs		
Complete any course that transfers to ASU with a FMP, FMS, THP, or THE prefix.	3 hrs		
Lower Division Elective	0-12 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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
**Maricopa Community College District**  
**Digital Culture (Media Processing), BS Pathway**  
**2021-2022**




ASU Major: [Digital Culture \(Media Processing\), BS | Herberger Institute for Design and the Arts](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus	  4-5 hrs
CSC 110: Introduction to Computer Science (Java)	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	  3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one [SQ] within the Natural Science requirement. PHY 101 is recommended.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs




MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Media Processing), BS degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
CSC 205: Object Oriented Programming and Data Structures	3 hrs 	
CSC 240: Introduction to Different Programming Languages	3 hrs	
ART 178: Digital Arts Studies	3 hrs	Course availability may be limited. Discuss your educational plan/course sequence and transfer timeline with MCCCC and ASU academic advisors early in your program.
ART 246: Introduction to Digital 3D Fabrication Tools or THP 246: Introduction to Digital 3D Fabrication Tools	3 hrs	Course availability may be limited. Discuss your educational plan/course sequence and transfer timeline with MCCCC and ASU academic advisors early in your program.
CSC 220: Programming for Computer Engineering or EEE 220: Programming for Computer Engineering	3 hrs	
MAT 227: Discrete Mathematical Structures	3 hrs 	As per "or permission of instructor" in Maricopa's MAT227 course description, academic advisors and other student services personnel are authorized by Maricopa's Math Instructional Council to approve MAT227 registration using either MAT212/213 OR MAT220/221 (and CSC110 or CSC110) as the course prerequisites.
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photography or ART 184: Computer Animation or MTC 191: Electronic Music I or ADA 184: Computer Animation or MMT 184: Computer Animation or MMT 190: Art of Web Site Design	1-3 hrs	
Lower Division Elective	0-5 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement


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## Maricopa Community College District Digital Culture (Music), BA Pathway 2021-2022

ASU Major: [Digital Culture \(Music\), BA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


Computer/Statistics/Quantitative Applications  3 hrs MTC 180 (Computer Literacy for Musicians) is recommended.


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement. PHY101 is recommended.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Music), BA degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ARH 102: Renaissance Through Contemporary Art or ARH 112: History of Modern Art or DAH 100: Introduction to Dance or DAH 250: Dance in Popular Culture or HUM 205: Introduction to Cinema or HUM 206: INTRODUCTION TO TELEVISION ARTS or HUM 210: Contemporary Cinema or MHL 140: Survey of Music History or MHL 143: Music in World Cultures or MHL 145: American Jazz and Popular Music or MHL 146: Survey of Broadway Musicals or MHL 153: Rock Music and Culture or MHL 155: Survey of American Music or THE 111: Introduction to Theatre or THF 206: Introduction to Television Arts or THF 210: Contemporary Cinema or THF 205: Introduction to Cinema	3 hrs	
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photography or MTC 191: Electronic Music I or ART 184: Computer Animation or MMT 190: Art of Web Site Design or MMT 184: Computer Animation	3 hrs	
CIS 163AA: Java Programming: Level I or CSC 110: Introduction to Computer Science (Java)	3 hrs	
CIS 120DA: Introduction to Digital Video Editing: Adobe Premiere or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or CIS 120DK: Introduction to Digital Video Editing or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or CIS 120AJ: Introduction to Digital Photo Editing	1-3 hrs	
MTC 100: Fundamentals of Music or MTC 101: Introduction to Music Theory or MTC 105: Music Theory I and MTC 106: Aural Perception I	3-4 hrs	
MTC 120: Introduction to Sound Design for Film and Video or MTC 180: COMPUTER LITERACY for MUSICIANS or MTC 191: Electronic Music I or MTC 192: Electronic Music II	3 hrs	
Complete any course that transfers to ASU with a MUS, MUP, MUE, or MTC prefix.	3 hrs	
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

[Print](#)


## Maricopa Community College District Digital Culture (Theatre), BA Pathway 2021-2022


ASU Major: [Digital Culture \(Theatre\), BA | Herberger Institute for Design and the Arts](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs


CIS 163AA: Java Programming: Level I or  
CSC 110: Introduction to Computer Science  
(Java)  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement. PHY 101 is recommended.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Theatre), BA degree program.



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
ARH 102: Renaissance Through Contemporary Art or ARH 112: History of Modern Art or DAH 100: Introduction to Dance or DAH 250: Dance in Popular Culture or HUM 205: Introduction to Cinema or HUM 206: INTRODUCTION TO TELEVISION ARTS or HUM 210: Contemporary Cinema or MHL 140: Survey of Music History or MHL 143: Music in World Cultures or MHL 145: American Jazz and Popular Music or MHL 146: Survey of Broadway Musicals or MHL 153: Rock Music and Culture or MHL 155: Survey of American Music or THE 111: Introduction to Theatre or THF 206: Introduction to Television Arts or THF 210: Contemporary Cinema	3 hrs		
ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photography or MTC 191: Electronic Music I or ART 184: Computer Animation	3 hrs		
CIS 120DA: Introduction to Digital Video Editing; Adobe Premiere or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or CIS 120DK: Introduction to Digital Video Editing or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or CIS 120AJ: Introduction to Digital Photo Editing	1-3 hrs		
THP 216: Beginning Stage Lighting or THP 265: Introduction to Stage Management or THP 203: Technical Theatre Production or THP 213: Intro to Technical Theatre or THP 226: Theatrical Design: Costuming	3 hrs		
THP 217: Intro to Design Scenography	3 hrs		
Theater Production Elective	3 hrs		Complete any course that transfers to ASU with a THP, THE, or FMP prefix.
Lower Division Elective	0-9 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Disability Studies, BA Pathway 2021-2022


ASU Major: [Disability Studies, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ course within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements


### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Disability Studies BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District



### Early Childhood and Early Childhood Special Education, BAE Pathway



2021-2022

ASU Major: [Early Childhood and Early Childhood Special Education, BAE | Mary Lou Fulton Teachers College](#)



#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]

COM 225: Public Speaking   3 hrs Meets MCCCDC Additional Communication Requirement below.

##### Mathematical Studies [MA, CS]


MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review or  
Higher level course that meets MA requirement  3-5 hrs Students must meet one of the following MCCCDC prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142/145/146, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

BPC 110: Computer Usage and Applications OR   3-4 hrs

CIS 105: Survey of Computer Information Systems OR


CSC 180: Computer Literacy or  
CSC 180AA: Computer Literacy or  
CSC 180AB: Computer Literacy


##### Humanities, Arts, and Design [HU]

EDU 291: Children's Literature or  
ENH 291: Children's Literature  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


##### Social-Behavioral Science [SB]

POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865  3 hrs HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.

EDU 222: Intro to the Exceptional Learner or  
EED 222: Introduction to the Exceptional Young Child: Birth to Age Eight  3 hrs

##### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Early Childhood Education and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Early Childhood Education and Early Childhood Special Education BAE degree program and the teacher preparation program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by EDU 222 or EED 222.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113/POS 113.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CFS 205: Human Development OR	3 hrs	
CFS 176: Child Development or ECH 176: Child Development		
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 230: Cultural Diversity in Education	3 hrs	
EED 215: HEALTH, SAFETY, NUTRITION/FITNESS OR	2-3 hrs	
CFS 123: HLTH/NUTRITION-EARLY CHILDHOOD and CFS 125: SAFETY IN EARLY CHILDHOOD SETTINGS		
EED 200: Foundations of Early Childhood Education or EDU 221: Introduction to Education	3 hrs	
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs	
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs	
Lower Division Elective	0-3 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU). Recommend taking CFS 235 or EED 205.  POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB].

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Earth and Environmental Studies, BA Pathway**  
**2021-2022**



ASU Major: [Earth and Environmental Studies, BA | College of Liberal Arts and Sciences](#)

## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 187: Precalculus OR   3-9 hrs  
 MAT 150: College Algebra and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR

MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR


MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I

Computer/Statistics/Quantitative Analysis  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs



Natural Science [SQ, SG]



## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Earth & Environmental Studies BA degree program.

CHM 130: Fundamental Chemistry and Laboratory or CHM 130LL: Fundamental Chemistry Laboratory or CHM 130AA: Fundamental Chemistry with Lab OR	4-5 hrs  
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	
GLG 110: Geological Disasters and the Environment and GLG 111: GEOL DISASTERS and ENVIRONMENT LAB	4 hrs

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements GLG 101: Introduction to Geology I and GLG 103: Introduction to Geology I -	4 hrs 
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Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	For Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
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Lower Division Elective	0-21 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Earth and Space Exploration, BS Pathway 2021-2022

ASU Major: [Earth and Space Exploration, BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



Recommend selecting a course that satisfies Literacy and Critical Inquiry, COM or CRE 101 requirements simultaneously. Associate of Science degrees also allow for HU or SB to be satisfied at the same time as L.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



Humanities, Arts, and Design [HU]



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



Social-Behavioral Science [SB]



#### Natural Science [SQ, SG]

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS



PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism



#### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III





### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Science Degree and AGEC-S, meets major map requirements at ASU and guarantees admission to the Earth & Space Exploration B.S. degree program.






Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	4-5 hrs	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II or CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	4-5 hrs	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs	
Lower Division Elective	0-8 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Earth and Space Exploration (Astrophysics), BS Pathway 2021-2022

ASU Major: [Earth and Space Exploration \(Astrophysics\), BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy and Critical Inquiry, COM or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



Humanities, Arts, and Design [HU]



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



Social-Behavioral Science [SB]



#### Natural Science [SQ, SG]

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS



PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism



#### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III




### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Astronomy degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Earth and Space Exploration (Astrophysics), BS degree program.


General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs 	Awareness Area courses may concurrently satisfy HU, SB or L requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Awareness Area courses may concurrently satisfy HU, SB or L requirements.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs 	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AST 111: Introduction to Solar System	4 hrs	
AST 112: Introduction to Stars, Galaxies, and Cosmology	4 hrs	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 	This course is required for the MCCC Associate in Science, Astronomy degree and the BS at ASU.
Lower Division Elective	0-11 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. AST 106 and PHY 241 are required for the Associate in Science, Astronomy degree.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Earth and Space Exploration (Geological Sciences), BS Pathway 2021-2022

ASU Major: [Earth and Space Exploration \(Geological Sciences\), BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies  
Literacy and Critical Inquiry and COM or CRE  
101 requirement simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



Humanities, Arts, and Design [HU]



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



Social-Behavioral Science [SB]



#### Natural Science [SQ, SG]

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS



PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism



#### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III





### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.




### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Geology degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Earth & Space Exploration (Geological Sciences) B.S. degree program.

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by GLG 102.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication OR	0-3 hrs		
COM 110: Interpersonal Communication OR			
COM 225: Public Speaking OR			
COM 230: Small Group Communication			
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I	4-5 hrs		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II	4-5 hrs		
GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab OR	4 hrs		
GLG 101IN: Introduction to Geology I - Physical			
GLG 102: Intro to GEOLOGY II-HISTORICAL LECTURE and GLG 104: Introduction to Geology II - Historical Lab OR	4 hrs		GLG 102 satisfies Historical Awareness [H] Requirement
GLG 102IN: Introduction to Geology II - Historical			
Lower Division Elective	0-6 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Economics, BS Pathway**  
**2021-2022**

ASU Major: **Economics, BS | W. P. Carey School of Business**

## Pathway Requirements



First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR   3-4 hrs


MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I


CIS 105: Survey of Computer Information  
 Systems   3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles  3 hrs

ECN 212: Microeconomic Principles  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.






Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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**Maricopa Community College District**  
**Economics, BS Pathway**  
**2021-2022**



ASU Major: [Economics, BS](#) | College of Liberal Arts and Sciences





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus or MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  3-4 hrs
GBS 221: Business Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Economics degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Economics, BS degree program.



COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

MAT 217: Mathematical Analysis for Business or  
MAT 218: Mathematical Analysis for Business or  
MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II

4-5 hrs



Lower Division Elective 7-21 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



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**Maricopa Community College District**  
**Educational Studies, BAE Pathway**  
**2021-2022**

ASU Major: [Educational Studies, BAE | Mary Lou Fulton Teachers College](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 higher level course that meets MA  
 requirement  3-6 hrs


CIS 105: Survey of Computer Information  
 Systems or  
 BPC 110: Computer Usage & Applications or  
 CSC 180: Computer Literacy   3 hrs


### Humanities, Arts, and Design [HU]

EDU 291: Children's Literature or  
 ENH 291: Children's Literature  3 hrs EDU 291 is an acceptable MAPP course  
 substitution for TEL 208.


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

EDU 221: Introduction to Education or  
 EED 200: Foundations of Early Childhood  
 Education  3 hrs

EDU 222: Intro to EXCEPTIONAL LEARNER  
 or  
 EED 222: INTRO EXCPT YNG CHLD:  
 BIRTH-8  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Educational Studies Early Childhood Education and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Educational Studies BAE degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

The Bachelor of Arts in Education (BAE) in educational studies is designed to prepare students to work with children and youth outside of a traditional classroom setting. While this degree does not lead to teacher certification, it will provide a foundation of knowledge in educational practices for use in the community setting.

Historical or Global Awareness [H] or [G]	0-3 hrs		
Cultural Diversity in the U.S. [C]	0 hrs		Satisfied by EDU 222 or EED 222.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
CFS 205: Human Development OR	3 hrs		
CFS 176: Child Development or ECH 176: Child Development			
EDU 230: Cultural Diversity in Education	3 hrs		
EDU Elective	3 hrs		Select any EDU elective (Except EDU 221, EDU 222, EDU 230 and EDU 250)
Educational Studies Track Courses	0-6 hrs		Check the ASU major map for the Educational Studies Track Courses in which you are interested in and complete the course(s) in that track listed in the Track/Groups section below. If interested in the Environmental Education, Global Studies, Health Innovation, or Nonprofit Administration track, the courses will need to be completed at ASU.
Lower Division Elective	0-20 hrs		EED 215 or (CFS 123 AND CFS 125) is recommended because it is required for the AA, Emphasis in Early Childhood Education. Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).

Total Required Credits: 64

## Track/Groups

### Educational Studies Track Courses

Educational Studies Track Courses		
ECN 211: Macroeconomic Principles	Business Educational Studies Track Course	
Educational Studies Track Courses		
HCR 220: Introduction to Nursing and Health Care Systems	Community Health Educational Studies Track Course	
Educational Studies Track Courses		
CFS 205: Human Development AND	Family and Human Development Educational Studies Track Course.	
CFS 112: Personal Growth and Family Relations	If this track is selected, complete both courses.	<b>Educational Studies Track Courses</b>
Courses		
HON 201: Leadership Development: Historical and Contemporary Perspectives or MGT 229: Management and Leadership I AND	Organizational Leadership Educational Studies Track Course. If this track is selected, complete MGT 230 and either HON 201 or MGT 229.	<b>Educational Studies Track Courses</b>
MGT 230: Management and Leadership II		<b>Educational Studies Track Courses</b>
Courses		
FON 100: Introductory Nutrition	Personal Health Educational Studies Track Course	
Educational Studies Track Courses		
POS 110: American National Government AND	Political Science Educational Studies Track Course. If this track is selected, complete both courses.	
POS 140: Comparative Government		

Educational Studies Track Courses

REC 120: Leisure and the Quality of Life

Recreation Management  
Educational Studies Track Course





# Pathway Agreement

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## Maricopa Community College District Electrical Engineering, BSE Pathway 2021-2022

ASU Major: [Electrical Engineering, BSE](#) | [Ira A. Fulton Schools of Engineering](#)



### Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 





<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities, Arts, and Design, COM, or CRE 101 requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement(s).
Humanities, Arts, and Design [HU]	3 hrs	

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs	See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.
ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles	 	

<b>Natural Science [SQ, SG]</b> PHY 121: University Physics I: Mechanics or PHY 115: University Physics I	 
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	 

<b>Subject Options</b> MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	 
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	 

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Engineering degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Electrical Engineering, BSE degree program.

MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A maximum of 64 credit hours will transfer to Arizona State University. All transfer courses must be completed with a grade of "C" or better.



### Admission Notes:

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP requirements and meet the primary or secondary admission requirements to gain admission to the Electrical Engineering and Electrical Engineering (Electric and Power Systems) BSE degree programs. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Electrical Engineering, BSE degree program is dependent upon meeting primary or secondary admission criteria outlined below.


**Primary Criteria:** Minimum transfer GPA of 3.00 as calculated by ASU for admission for 24 or more transfer hours

**Secondary Criteria:** Minimum transfer GPA of 2.50 as calculated by ASU for admission for 24 or more transfer hours and a minimum GPA of 2.75 in all critical tracking courses in terms 1 and 2 (MAT 265, 266, PHY 121 and PHY 122).




**Additional Note:** Students interested in completing the BSE Electrical Engineering degree with two additional years at ASU are strongly encouraged to contact the ECEE Advising Office at 480-965-3424 to meet with an academic advisor upon enrollment into a MAPP at the community college to work on their degree plan.

Cultural Diversity in the U.S. [C]	0-3 hrs 	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Awareness Area courses may concurrently satisfy HU or SB requirements.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ECE 102: Engineering Analysis Tools and Techniques AND ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
EEE 202: Circuits and Devices	5 hrs	
CSC 100: Introduction to Computer Science or CSC 100AA: Introduction to Computer Science (C++) or CSC 100AB: Introduction to Computer Science (C++) or CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	3-4 hrs	
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
CSC 230: Computer Organization and Assembly Language Programming or EEE 230: Computer Organization and Assembly Language Programming	4 hrs	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 	
PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	4 hrs	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I AND  CHM 152: General Chemistry II and CHM 152LL: General Chemistry II OR  CHM 152AA: General Chemistry II	0-9 hrs 	May be completed after transfer to ASU. Meets CHM 114 at ASU. Strongly recommended that students take CHM 114 through concurrent enrollment or in the summer prior to admission to ASU.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 65

# Pathway Agreement

Print

Maricopa Community College District

Electrical Engineering (Electric Power and Energy Systems), BSE Pathway

2021-2022

ASU Major: [Electrical Engineering \(Electric Power and Energy Systems\), BSE | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements

### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs

Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities, Arts, and Design, COM, or CRE 101 requirements simultaneously.

### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs

See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.

Humanities, Arts, and Design [HU]

3 hrs

Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement(s).

### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles OR



3 hrs

ECN 212: Microeconomic Principles

Social-Behavioral Science [SB]



3 hrs

See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

### Natural Science [SQ, SG]

PHY 121: University Physics I: Mechanics  
OR



4-5 hrs

PHY 115: University Physics I

PHY 131: University Physics II: Electricity  
and Magnetism OR



4-5 hrs

PHY 116: University Physics II

### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II



4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III



4-5 hrs

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Engineering degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Electrical Engineering, BSE degree program.

MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A maximum of 64 credit hours will transfer to Arizona State University. All transfer courses must be completed with a grade of "C" or better.

## Admission Notes:


In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP requirements and meet the primary or secondary admission requirements to gain admission to the Electrical Engineering and Electrical Engineering (Electric and Power Systems) BSE degree programs. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Electrical Engineering, BSE degree program is dependent upon meeting primary or secondary admission criteria outlined below.

**Primary Criteria:** Minimum transfer GPA of 3.00 as calculated by ASU for admission for 24 or more transfer hours


**Secondary Criteria:** Minimum transfer GPA of 2.50 as calculated by ASU for admission for 24 or more transfer hours and a minimum GPA of 2.75 in all critical tracking courses in terms 1 and 2 (MAT 265, 266, PHY 121 and PHY 122).

**Additional Note:** Students interested in completing the BSE Electrical Engineering (Electric Power and Energy Systems) degree with two additional years at ASU are strongly encouraged to contact the ECEE Advising Office at 480-965-3424 to meet with an academic advisor upon enrollment into a MAPP program at the community college to work on their degree plan.




General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs 	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
EEE 202: Circuits and Devices	5 hrs	
CSC 100: Introduction to Computer Science or CSC 100AA: Introduction to Computer Science (C++) or CSC 100AB: Introduction to Computer Science (C++) or CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	3-4 hrs	
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
CSC 230: Computer Organization and Assembly Language Programming or EEE 230: Computer Organization and Assembly Language Programming	4 hrs	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs 	
PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	4 hrs	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I AND  CHM 152: General Chemistry II and CHM 152LL: General Chemistry II OR  CHM 152AA: General Chemistry II	0-9 hrs 	May be completed after transfer to ASU. Meets CHM 114 at ASU.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 65



# Pathway Agreement



Print



## Maricopa Community College District Elementary Education, BAE Pathway 2021-2022

ASU Major: [Elementary Education, BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]



MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: Course not found or  
MAT 146: College Mathematics with Review or  
Higher level course that meets MA requirement

3-6 hrs 

Students must meet one of the following MCCCDC prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142/145/146, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

CIS 105: Survey of Computer Information Systems or  
BPC 110: Computer Usage & Applications or  
CSC 180: Computer Literacy or  
CSC 180AA: Computer Literacy or  
CSC 180AB: Computer Literacy   3 hrs

#### Humanities, Arts, and Design [HU]

ARH 100: Introduction to Art OR   3 hrs

ARH 101: Prehistoric through Gothic Art OR

ARH 102: Renaissance Through Contemporary Art OR

DAH 100: Introduction to Dance OR

DAH 201: World Dance Studies OR

DAH 250: Dance in Popular Culture OR

MHL 140: Survey of Music History OR


MHL 145: American Jazz and Popular Music OR

MHL 146: Survey of Broadway Musicals OR

MHL 153: Rock Music and Culture OR

THE 111: Introduction to Theatre OR

THE 220: Modern Drama

EDU 291: Children's Literature or  
ENH 291: Children's Literature  3 hrs

#### Social-Behavioral Science [SB]








### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate of Arts, Elementary Education degree (AAEE) and AGECE-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education or Elementary Education (Bilingual Education/English as a Second Language) or Special Education/Elementary Education BAE degree program and the teacher preparation program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.

CFS 176: Child Development or ECH 176: Child Development	3 hrs 	
HIS 103: United States History to 1865 or POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies	3 hrs 	HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.
Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Complete a Life Sciences course (choose from BIO prefix). One of the two natural science courses selected must be SQ.
Natural Science [SQ, SG]	4 hrs 	Complete a Physical or Earth/Space Science Course (choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY)
General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0 hrs 	Cultural Diversity [C] satisfied by EDU 222 or EDU 230.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113/POS 113.
MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
Additional Lower Division Requirements EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 222: Intro to EXCEPTIONAL LEARNER	3 hrs	
EDU 230: Cultural Diversity in Education	3 hrs	
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs	
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs	
Select 5 credits from AAEE Content Area Elective options	5 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB]

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Elementary Education (Educating Multilingual Learners), BAE Pathway 2021-2022

ASU Major: [Elementary Education \(Educating Multilingual Learners\), BAE | Mary Lou Fulton Teachers College](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: Course not found or  
MAT 146: Course not found or  
Higher level course that meets MA requirement



3-6 hrs

Students must meet one of the following MCCCDC prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142/145/146, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

CIS 105: Survey of Computer Information Systems or  
BPC 110: Computer Usage & Applications or  
CSC 180: Computer Literacy



3 hrs

#### Humanities, Arts, and Design [HU]

ARH 100: Introduction to Art OR



3 hrs

Recommend selecting a course that also fulfills [G] if not met in AAEE Content Area Electives

ARH 101: Prehistoric through Gothic Art OR

ARH 102: Renaissance Through Contemporary Art OR

DAH 100: Introduction to Dance OR

DAH 201: World Dance Studies OR

DAH 250: Dance in Popular Culture OR

MHL 140: Survey of Music History OR

MHL 145: American Jazz and Popular Music OR

MHL 146: Survey of Broadway Musicals OR

MHL 153: Rock Music and Culture OR

THE 111: Introduction to Theatre OR

THE 220: Modern Drama

EDU 291: Children's Literature or  
ENH 291: Children's Literature



3 hrs

#### Social-Behavioral Science [SB]








### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate of Arts Elementary Education degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education or Elementary Education (Educating Multilingual Learners) or Special Education/Elementary Education BAE degree program and the teacher preparation program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements.

CFS 176: Child Development or ECH 176: Child Development	3 hrs 	
HIS 103: United States History to 1865 or POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies	3 hrs 	HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.
<b>Natural Science [SQ, SG]</b>		
Life Sciences Course	4 hrs 	One of the two natural science courses selected must be SQ. Choose from BIO prefix.
Physical or Earth/Space Science Course	4 hrs 	Choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY.
<b>General Education Awareness Areas [C, H, G]</b>		
Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by EDU 222 or EDU 230.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113/POS 113.
<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 222: Introduction to the Exceptional Learner	3 hrs	
EDU 230: Cultural Diversity in Education	3 hrs	
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs	
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs	
Select 5 credits from AAEE Content Area Elective options	5 hrs	Recommend selecting a course with [G] if not already met by another course.  POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB]

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District



### Elementary Education (Science, Technology, Engineering and Mathematics), BAE Pathway 2021-2022

ASU Major: [Elementary Education \(Science, Technology, Engineering and Mathematics\), BAE | Mary Lou Fulton Teachers College](#)


#### Pathway Requirements

##### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]



COM 225: Public Speaking  3 hrs

##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review or  
Higher level course that meets MA requirement

3-6 hrs 

Students must meet one of the following MCCCDC prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142/145/146, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

CIS 105: Survey of Computer Information Systems or  
BPC 110: Computer Usage & Applications or  
CSC 180: Computer Literacy   3 hrs

##### Humanities, Arts, and Design [HU]

ARH 100: Introduction to Art OR

3 hrs 

Recommend selecting a course that also fulfills [G] if not met in AAEE Content Area Electives

ARH 101: Prehistoric through Gothic Art OR

ARH 102: Renaissance Through Contemporary Art OR

DAH 100: Introduction to Dance OR

DAH 201: World Dance Studies OR

DAH 250: Dance in Popular Culture OR

MHL 140: Survey of Music History OR


MHL 145: American Jazz and Popular Music OR

MHL 146: Survey of Broadway Musicals OR

MHL 153: Rock Music and Culture OR

THE 111: Introduction to Theatre OR

THE 220: Modern Drama

EDU 291: Children's Literature or  
ENH 291: Children's Literature  3 hrs

##### Social-Behavioral Science [SB]

#### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



#### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate of Arts Elementary Education degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education (Science, Technology, Engineering and Mathematics) BAE degree program and the teacher preparation program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.

POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies or HIS 103: United States History to 1865	3 hrs 	HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.
CFS 176: Child Development or ECH 176: Child Development	3 hrs 	

<b>Natural Science [SQ, SG]</b> Life Sciences Course	4 hrs 	One of the two natural science courses selected must be SQ. Choose from BIO prefix.
Physical or Earth/Space Science Course	4 hrs 	Choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY.

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by EDU 222 or EDU 230.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113 or POS 113.

<b>MCCCD Additional Requirements</b> COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 222: Introduction to the Exceptional Learner	3 hrs	
EDU 230: Cultural Diversity in Education	3 hrs	
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs	
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs	
Select 6-8 credits from AAEE Content Area Elective options that also meet Math or Science Track course requirements.	6-8 hrs	Please select a math or science track. Math track students should take any math classes that have not already been applied higher than MAT 140/141/142/145/146 (except MAT 256 and 257). Science track students should take any SQ/SG lecture courses that have not already been applied and are transferable to ASU as per aztransfer.com course equivalency guide.  Recommend selecting a course with [G] if not already met by another course.  POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB]

Total Required Credits: 61

# Pathway Agreement

Print

**Maricopa Community College District**  
**Engineering, BSE Pathway**  
**2021-2022**

ASU Major: [Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

## Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 	3 hrs	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 	3 hrs	
ECE 102: Engineering Analysis Tools or ECE 102AA: Engineering Analysis Tools and Techniques AND		4 hrs	
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)			
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I		4-5 hrs	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	 	4-5 hrs	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	 	4-5 hrs	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations		3-4 hrs	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	 	4-5 hrs	
CHM 150AA: General Chemistry I OR			
CHM 151AA: General Chemistry I OR			
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory			
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	 	4-5 hrs	
CHM 152AA: General Chemistry II			
PHY 115: University Physics I OR	 	4-5 hrs	
PHY 121: University Physics I: Mechanics			
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism		4-5 hrs	
Humanities, Arts, and Design [HU] and AGEC Awareness Area		3 hrs	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science [SB] and AGEC Awareness Area		3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

## Pathway Notes

There are no notes for this pathway

## Special Requirements

Please use this wording for special requirements instead of what Julianne submitted on 4/19: Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Engineering BSE degree program.  
 A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. Engineering Core courses should be prioritized over Additional Lower Division Requirements. Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

Additional Lower Division Requirements

CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
ECE 201: Introduction to Engineering Statics and ECE 202: Introduction to Engineering Dynamics and ECE 203: Applications of Engineering Mechanics OR  ECE 211: Engineering Mechanics-Statics and ECE 212: Engineering Mechanics - Dynamics OR  ECE 214: Engineering Mechanics	4-6 hrs	
EEE 202: Circuits and Devices	5 hrs	EEE 202 is an approved substitute for EGR 216.
Lower division secondary focus area	1-6 hrs	The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 61



# Pathway Agreement

Print

**Maricopa Community College District**  
**Engineering (Automotive Systems), BSE Pathway**  
**2021-2022**

ASU Major: **Engineering (Automotive Systems), BSE | Ira A. Fulton Schools of Engineering**

## Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  
ECE 102: Engineering Analysis Tools or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  
CHM 150AA: General Chemistry I OR	
CHM 151AA: General Chemistry I OR	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4-5 hrs  
CHM 152AA: General Chemistry II	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs 
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 
PHY 115: University Physics I or PHY 121: University Physics I: Mechanics	4-5 hrs  
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism	4-5 hrs 
Humanities, Arts, and Design [HU] and AGEC Awareness Area	3 hrs Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science [SB] and AGEC Awareness Area	3 hrs  Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

## Pathway Notes

There are no notes for this pathway

## Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Engineering (Automotive Systems) BSE degree program. A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. Engineering Core courses should be prioritized over Additional Lower Division Requirements. Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

Additional Lower Division Requirements

CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
ECE 201: Introduction to Engineering Statics and ECE 202: Introduction to Engineering Dynamics and ECE 203: Applications of Engineering Mechanics OR  ECE 211: Engineering Mechanics-Statics and ECE 212: Engineering Mechanics - Dynamics OR  ECE 214: Engineering Mechanics	4-6 hrs	
EEE 202: Circuits and Devices	5 hrs	EEE 202 is an approved substitute for EGR 216.
Lower division secondary focus area	1-6 hrs	The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 61





















# Pathway Agreement

Print

## Maricopa Community College District Engineering (Electrical Systems), BSE Pathway 2021-2022

ASU Major: [Engineering \(Electrical Systems\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory	4-5 hrs  	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4-5 hrs  	
ECE 102: Engineering Analysis Tools or ECE 102AA: Engineering Analysis Tools and Techniques AND  ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	4 hrs	
ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  	
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 	
PHY 115: University Physics I or PHY 121: University Physics I: Mechanics	4-5 hrs  	For Associate in Science degree, Natural Sciences must be met by choosing either the CHM or PHY series.
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism	4-5 hrs 	
Humanities, Arts, and Design [HU] and AGEC Awareness Areas	3 hrs 	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science [SB] and AGEC Awareness Areas	3 hrs 	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Engineering (Electrical Systems) BSE degree program. A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. Engineering Core courses should be prioritized over Additional Lower Division Requirements. Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

Additional Lower Division Requirements

CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
ECE 201: Introduction to Engineering Statics and ECE 202: Introduction to Engineering Dynamics and ECE 203: Applications of Engineering Mechanics OR  ECE 211: Engineering Mechanics-Statics and ECE 212: Engineering Mechanics - Dynamics OR  ECE 214: Engineering Mechanics	4-6 hrs	
EEE 202: Circuits and Devices	5 hrs	EEE 202 is an approved substitute for EGR 216.
Lower division secondary focus area	1-6 hrs	The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 61


















# Pathway Agreement

[Print](#)

## Maricopa Community College District Engineering (Mechanical Engineering Systems), BSE Pathway 2021-2022

ASU Major: [Engineering \(Mechanical Engineering Systems\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 	3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 	3 hrs
ECE 102: Engineering Analysis Tools or ECE 102AA: Engineering Analysis Tools and Techniques AND		4 hrs
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I		4-5 hrs
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	 	4-5 hrs
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	 	4-5 hrs
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations		3-4 hrs
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	 	4-5 hrs
CHM 150AA: General Chemistry I OR		
CHM 151AA: General Chemistry I OR		
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	 	4-5 hrs
CHM 152AA: General Chemistry II OR		
CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory		
PHY 115: University Physics I OR	 	4-5 hrs
PHY 121: University Physics I: Mechanics		
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism		4-5 hrs

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Please use this wording for special requirements: Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Engineering (Mechanical Engineering Systems) BSE degree program.  
A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. Engineering Core courses should be prioritized over Additional Lower Division Requirements. Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

Humanities, Arts, and Design [HU] and AGEC Awareness Area	3 hrs 	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science [SB] and AGEC Awareness Area	3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

<b>Additional Lower Division Requirements</b>		
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
ECE 201: Introduction to Engineering Statics and ECE 202: Introduction to Engineering Dynamics and ECE 203: Applications of Engineering Mechanics OR  ECE 211: Engineering Mechanics-Statics and ECE 212: Engineering Mechanics - Dynamics OR  ECE 214: Engineering Mechanics	4-6 hrs	
EEE 202: Circuits and Devices	5 hrs	EEE 202 is an approved substitute for EGR 216.
Lower division secondary focus area	1-6 hrs	The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 61


# Pathway Agreement




[Print](#)

## Maricopa Community College District Engineering (Robotics), BSE Pathway 2021-2022

ASU Major: [Engineering \(Robotics\), BSE](#) | [Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

MCCCD Additional Requirements COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.






<b>Engineering Core</b>		
ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 
ECE 102: Engineering Analysis Tools or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs	
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	 
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	 
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	 
CHM 150AA: General Chemistry I OR		
CHM 151AA: General Chemistry I OR		
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory		

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Engineering (Robotics) BSE degree program.  
A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. Engineering Core courses should be prioritized over Additional Lower Division Requirements. Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4-5 hrs  	
CHM 152AA: General Chemistry II OR		
CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory		
PHY 115: University Physics I OR	4-5 hrs  	
PHY 121: University Physics I: Mechanics		
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism	4-5 hrs 	
Humanities, Arts, and Design [HU] and AGEC Awareness Area	3 hrs	Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Social-Behavioral Science [SB] and AGEC Awareness Area	3 hrs 	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.
<b>Additional Lower Division Requirements</b>		
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs	
ECE 201: Introduction to Engineering Statics and ECE 202: Introduction to Engineering Dynamics and ECE 203: Applications of Engineering Mechanics OR	4-6 hrs	
ECE 211: Engineering Mechanics-Statics and ECE 212: Engineering Mechanics - Dynamics OR		
ECE 214: Engineering Mechanics		
EEE 202: Circuits and Devices	5 hrs	EEE 202 is an approved substitute for EGR 216.
Lower division secondary focus area	1-6 hrs	The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 61



# Pathway Agreement

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## Maricopa Community College District Engineering Management, BSE Pathway 2021-2022

ASU Major: [Engineering Management, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies (L and SB) or (L and HU), or (L and COM), or (L and CRE101) requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

SSH 111: Sustainable Cities



Use to satisfy Humanities and Fine Arts [HU] and Global Engineering/Sustainability/Entrepreneurship Course Requirement. Also satisfies Global Awareness [G].

Humanities, Arts, and Design [HU]

3 hrs



#### Social-Behavioral Science [SB]

COM 263: ELEMENTS OF  
INTERCULTURAL COMM

3 hrs



PSY 101: Introduction to Psychology

3 hrs



#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR



Course can be used to satisfy basic science requirement for major.

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory OR

CHM 150AA: General Chemistry I OR

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory



4 hrs

Subject Options

### Pathway Notes





Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering Management, BSE degree program.






Note: Engineering Core courses should be prioritized over Additional Lower Division Requirements. Only 64 credit hours are transferable to ASU from a community college.

Special Requirements: 2.75 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by COM 263.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by SSH 111.

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	6-9 hrs 	
CSC 205: Object Oriented Programming a or CSC 205AA: Object Oriented Programming a or CSC 205AB: Object Oriented Programming a	3-4 hrs 	
CSC 110: Introduction to Computer Scie or CSC 110AA: Introduction to Computer Scie or CSC 110AB: Intro to Computer Science (JA	3-4 hrs	
ECN 212: Microeconomic Principles	3 hrs 	
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools an AND	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving a or ECE 103AB: Engineering Problem Solving a or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4 hrs 	PHY 115 can also be used to satisfy this requirement.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 61

# Pathway Agreement


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**Maricopa Community College District**  
**English, BA Pathway**  
**2021-2022**

ASU Major: [English, BA | New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs

### Literacy and Critical Inquiry [L]


ENG 200: READING and WRITING ABOUT LITERATURE  3 hrs Satisfies ASU English Core Requirement.


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

ENH 221: SURVEY OF ENGLISH LIT BEFORE 1800  3 hrs Partially satisfies the ASU ENG distribution requirement.


ENH 222: SURVEY OF ENGLISH LIT AFTER 1800  3 hrs Partially satisfies the ASU ENG distribution requirement.


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by ENH 241.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by ENH 222.

MCCCD Additional Requirements

## Pathway Notes




Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in English (Literature) degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the English, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:

<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ENG 213: Introduction to the Study of Language	3 hrs 	Partially satisfies the ASU ENG distribution requirement.
ENH 241: American Literature Before 1860	3 hrs 	Partially satisfies the ASU ENG distribution requirement.
ENH 242: American Literature After 1860	3 hrs	Partially satisfies the ASU ENG distribution requirement.
English Elective	9 hrs	Select three ENG/ENH courses that transfer to ASU as ENG departmental elective.
Lower Division Elective	0-7 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**English, BA Pathway**  
**2021-2022**

ASU Major: [English, BA | College of Integrative Sciences and Arts](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


ENG 200: READING & WRITING ABOUT  
 LITER  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review or  
 MAT 146: College Mathematics with Review  3-6 hrs A higher-level course that meets [MA] requirement is also acceptable.


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

ENH 222: SURVEY OF ENGLISH LITERATURE BEFORE 1800  3 hrs Satisfies 2\*\* ENG Literature Course requirement.


ENH 242: American Literature After 1860 3 hrs


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

Historical or Global Awareness [H] or [G]  0-3 hrs Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in English (Literature) degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the English, BA degree program.

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

2\*\* ENG Writing Course 3 hrs Select one of the following courses: ENG 210, ENG 215 or ENG 216

Lower Division Elective 4-22 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



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## Maricopa Community College District English (Creative Writing), BA Pathway 2021-2022

ASU Major: [English \(Creative Writing\), BA](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 200: READING and WRITING ABOUT  
LITERATURE  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

American Literature Course  3 hrs Humanities and Fine Arts - Students should choose a course from the American Literature Courses list below that also carries the HU general studies designation.


American Literature Course  3 hrs Humanities and Fine Arts - Students should choose a course from the American Literature Courses list that also carries the HU general studies designation.


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

Historical or Global Awareness [H] or [G]  0-3 hrs Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts, Emphasis in English (Creative Writing) degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Creative Writing) BA degree program.

Special Requirements: 3.0 GPA in English courses beyond First Year Composition (ENG, ENH, CRW MAPP requirements). 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

After transfer to ASU: Before continuing into the 400-level courses required to complete the creative writing concentration, students must successfully pass a portfolio review. Students who do not successfully pass this milestone may complete the English major by concentrating in Literature or Linguistics.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CRW 160: Introduction to Writing Poetry 3 hrs

CRW 170: Introduction to Writing Fiction 3 hrs

ENG Elective or  
ENH Elective or  
CRW Elective 3 hrs

Select one course (3 hours) that transfers to ASU with an ENG prefix, excluding ENG 101, ENG 102, ENG 107 and ENG 108.

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs

Foreign Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

Lower Division Elective 0-16 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

**Track/Groups**

**American Literature Course**

**American Literature Course**

ENH 190: Introduction to US Ethnic Literature or  
ENH 241: AMERICAN LITERATURE BEFORE 1860 or  
ENH 242: American Literature After 1860 or  
ENH 255: CONTEMPORARY U.S. LIT and FILM or  
ENH 259: American Indian Literature or  
ENH 260: Literature of the Southwest



# Pathway Agreement



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## Maricopa Community College District English (Linguistics), BA Pathway 2021-2022

ASU Major: [English \(Linguistics\), BA | College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 200: READING and WRITING ABOUT  
LITERATURE  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

ENG 213: Introduction to the Study of Language or  
SLC 201: Introduction to Linguistics  3 hrs ENG 213 can be applied as HU or SB, but not both.


ENH 221: SURVEY OF ENGLISH  
LITERATURE BEFORE 1800 or  
ENH 222: SURVEY OF ENGLISH  
LITERATURE BEFORE 1800 or  
ENH 241: American Literature Before 1860  
or  
ENH 242: American Literature After 1860  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs ENG 213 can be applied as HU or SB, but not both.

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs



General Education Awareness Areas [C, H, G]

### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in English (Literature) and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU, and guarantees admission to the English (Linguistics) BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**English (Literature), BA Pathway**  
**2021-2022**


ASU Major: [English \(Literature\), BA | College of Liberal Arts and Sciences](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> ENG 200: Reading and Writing About Literature	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs
<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> ENH 222: Survey of English Literature After 1800	 3 hrs
ENH 242: American Literature After 1860	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs	Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	 0-3 hrs	Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in English (Literature) degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the English (Literature), BA degree program.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading and Critical Thinking 3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

ENH 221: Survey of English Literature Before 1800 or  
ENH 241: American Literature Before 1860

3 hrs

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.

Lower Division Elective 0-19 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District English (Secondary Education), BA Pathway 2021-2022

ASU Major: [English \(Secondary Education\), BA | College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 200: READING and WRITING ABOUT  
LITERATURE  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


CSC 180: Computer Literacy or  
CSC 180aa: Computer Literacy or  
CSC 180ab: Computer Literacy or  
CIS 105: Survey of Computer Information  
Systems or  
BPC 110: Computer Usage & Applications   3-4 hrs


#### Humanities, Arts, and Design [HU]

ENH 221: SURVEY OF ENGLISH LIT  
BEFORE 1800  3 hrs


ENH 222: SURVEY OF ENGLISH LIT  
AFTER 1800  3 hrs


#### Social-Behavioral Science [SB]

EDU 222: Introduction to the Exceptional  
Learner  3 hrs

SLC 201: Introduction to Linguistics or  
ENG 213: Introduction to the Study of  
Language  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Secondary Education and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the English (Secondary Education) BA degree program.

Special Requirements: 2.5 cumulative transfer GPA. All courses must be completed with a grade of "C" or better.

Fingerprint clearance and a background check is required in the second year of the program. We recommend you speak to a College of Liberal Arts Advisor to discuss these requirements further: englishadvising@asu.edu

Cultural Diversity in the U.S. [C]	0 hrs	[C] met by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs	[H] met by ENH 222.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ENH 241: AMERICAN LITERATURE BEFORE 1860	3 hrs	
ENH 242: American Literature After 1860	3 hrs	
HIS 103: United States History to 1865 OR POS 110: American National Government OR GCU/POS 113 (GCU/POS 227 prior to 2016) OR POS 220: U.S. and Arizona Constitution or POS 222: U.S. Constitution	2-3 hrs	Meets the state teacher certification requirement for US Constitution. POS 113 or POS 220 also meets the state teacher certification for Arizona Constitution.
POS 221: Arizona Constitution	0-1 hrs	Meets the state teacher certification requirement for AZ Constitution if took HIS 103, POS 110, or POS 222.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	
Lower Division Elective	0-17 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Environmental Design, BS Pathway 2021-2022

ASU Major: [Environmental Design, BS | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 150: College Algebra / Functions and  
MAT 182: Plane Trigonometry OR   5-9 hrs

MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR


MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 187: Precalculus

#### Computer/Statistics/Quantitative Applications [CS]



 3 hrs Students wishing to transfer into Architectural Studies must complete ALA 235 at ASU; students wishing to transfer into Interior Design must complete INT 121 at ASU. In order to complete the AGECE and AA prior to transfer, the Maricopa Computer/Statistics/Quantitative Applications [CS] requirement must be fulfilled. Students completing ALA 235 or INT 121 will therefore need to complete two [CS] courses.


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Recommend selecting a course which satisfies [HU] and awareness area [C, H, or G] requirements simultaneously. INT 115 or INT 120 will fulfill requirement. \*\*Students wishing to transfer to Interior Design should take ARH 102.

Humanities, Arts, and Design [HU]  3 hrs

#### Social-Behavioral Science [SB]

ECN 212: Microeconomic Principles or  
PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs Recommend selecting a course which satisfies [SB] and awareness area [C, H, or G] requirements simultaneously. \*\*Students wishing to transfer to Industrial Design should take PSY 101 and ECN 212.



### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the Environmental Design BS degree program.

The MAPP for the BS in Environmental Design is provided as a transfer pathway for students wishing to complete their BS in Environmental Design at Arizona State University. The BS in Environmental Design is a pathway for the 3+ graduate programs in Architecture, Industrial Design, Interior Architecture, Landscape Architecture and Visual Communication Design offered through The Design School. These programs are studio Master's Degree programs that students with a Bachelor's Degree in any discipline can apply for. The options for these programs can be seen on The Design School's graduate degrees page <https://design.asu.edu/degree-programs/gradua>

Natural Science [SQ, SG] PHY 101: Introduction to Physics or PHY 111: General Physics I or GPH 111: Introduction to Physical Geography and GPH 112: Introduction to Physical Geography Lab	4 hrs 	Students wishing to transfer to Architectural Studies or Interior Design must complete PHY 101. Students wishing to transfer to Industrial Design must complete PHY 111. Students wishing to transfer to Landscape Architecture must complete GPH 111 and GPH 112.
Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend combining [C] requirement with [SB, HU, or L].
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend combining [H] or [G] requirement with [SB, HU, or L].

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements ARC 100: Intro to Environmental Design or INT 105: Introduction to Interior Design or INT 115: Historical Architecture and Furniture or INT 225: History of Decorative Arts or INT 235: Universal Design	3 hrs	Take one of the suggested courses to meet Design Culture and Literacy I requirements.
ARC 100: Intro to Environmental Design or CNS 101: Construction and Culture or INT 105: Introduction to Interior Design or INT 120: Modern Architecture and Furniture or INT 150: Color and Design or PHI 103: Introduction to Logic or PHI 105: Introduction to Ethics	3 hrs 	Take one of the suggested courses to meet Design Culture and Literacy II requirements.
ARC 120: Design Fundamentals I or ART 181: Graphic Design I or INT 140: Introduction to CAD for Interior Design or INT 145: Drawing and Rendering	3 hrs	Take one of the suggested courses to meet Design Fundamentals and Principles I
ARC 150: Architectural Desktop I or ARC 160: Site Planning or ART 182: Graphic Design II or INT 190: Space Planning or INT 205: Residential Design	3 hrs	Take one of the suggested courses to meet Design Fundamentals and Principles II
SUS 100: Introduction to Sustainability	3 hrs	
Lower Division Elective	0-8 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60



# Pathway Agreement



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## Maricopa Community College District Environmental Science, BA Pathway 2021-2022

ASU Major: [Environmental Science, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR   5-9 hrs


MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR


MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 187: Precalculus



GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government   3 hrs


#### Humanities, Arts, and Design [HU]

SSH 111: Sustainable Cities  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

ECN 212: Microeconomic Principles   3 hrs

Social-Behavioral Science [SB]  3 hrs

#### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I   4-5 hrs

BIO 182: General Biology (Majors) II   4 hrs

### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Sustainability and Environmental Studies degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Environmental Science, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>






General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by SSH 111.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	4-5 hrs		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II OR  CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	4-5 hrs		
CHM 230: Fundamental Organic Chemistry or CHM 230LL: Fundamental Organic Chemistry Laboratory	4 hrs		
GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab or GLG 101IN: Introduction to Geology I - Physical	4 hrs		
GPH 210: Society and Environment	3 hrs		
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics	4-5 hrs		
ECN 211: Macroeconomic Principles or HON 201: Leadership Development: Historical and Contemporary Perspectives or MGT 229: Management and Leadership I or MGT 246: Principles of Project Management or POS 110: American National Government or SUS 230: Practical Skills for Sustainability Problem Solving or TQM 240: Project Management in Quality Organizations	3-6 hrs		Select up to two courses prior to transfer. These courses will fulfill part of ASU's three-course (nine-credit) Social Science Elective requirement.

Total Required Credits: 63



# Pathway Agreement



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**Maricopa Community College District**  
**Environmental Science, BS Pathway**  
**2021-2022**



ASU Major: [Environmental Science, BS | New College of Interdisciplinary Arts and Sciences](#)

## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 150: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR   3-9 hrs

MAT 151: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR



MAT 152: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR


MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR


MAT 187: Precalculus OR


MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus

MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government or  
 GBS 221: Business Statistics   3 hrs

Humanities, Arts, and Design [HU]  
 SSH 111: Sustainable Cities  3 hrs SSH 111 may be used to satisfy 3 credits of either the [HU] or [SB] AGEC requirement.

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]





## Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Sustainability and Environmental Studies degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Environmental Science, BS degree program.





ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4-5 hrs  
BIO 182: General Biology (Majors) II	4 hrs  

General Education Awareness Areas [C, H, G]	
Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements	
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	4-5 hrs 
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4 hrs 
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistr OR  CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I La	4 hrs 
GLG 101: Introduction to Geology I - Physical Lecture and GLG 103: Introduction to Geology I - Physical Lab	4 hrs 
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics	4-5 hrs

Track Focus Elective Course	3-4 hrs	The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group. HON 201 and SUS 110 can be used to satisfy [SB] AGEC requirements simultaneously.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 64

### Track/Groups

Track Focus Elective Course

Track Focus Elective Course	
HON 201: Leadership Development: Historical and Contemporary Perspective or	Business/Leadership
MGT 229: Management and Leadership I OR	

MGT 246: PRINCIPLES OF PROJECT Management or TQM 240: Project Management In Quality Orgs OR	Track Focus Elective Course
SUS 230: Practical Skills for Sustainability Problem Solving	Track Focus Elective Course
SUS 110: Sustainable World	Ecosystem/Global Change
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry II Lab	Chemistry/Toxicology

# Pathway Agreement

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## Maricopa Community College District Environmental and Resource Management, BS Pathway 2021-2022

ASU Major: [Environmental and Resource Management, BS | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus



3-4 hrs

MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government or  
GBS 221: Business Statistics or  
PSY 230: Introduction to Statistics



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Selecting courses that also satisfy [H] is recommended.

Humanities, Arts, and Design [HU]



3 hrs

Selecting courses that also satisfy [H] is recommended.

#### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology



3 hrs

Social-Behavioral Science [SB]



3 hrs

Selecting a course that also satisfies [C] is recommended.

#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR



4-5 hrs

CHM 150AA: General Chemistry I OR

CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
OR

CHM 151AA: General Chemistry I

CHM 152AA: General Chemistry II OR



4 hrs

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the Environmental and Resource Management, BS degree program within The Polytechnic School in the Ira A. Fulton Schools of Engineering.

General Education Awareness Areas [C, H, G]


Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical [H] or Global Awareness [G]	0-3 hrs	

MCCCD Additional Requirements


COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements

BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4-5 hrs	
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CHM 230: Fundamental Organic Chemistry	3 hrs	CHM 230 - Associated lab not required.
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PHY 111: General Physics I or PHY 111AA: General Physics I	4-5 hrs	
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WRT 153: Environmental Law and Regulations	3 hrs	
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Science, Math, Engineering or Management Electives	8-12 hrs	Select a course that transfers to ASU with any of the following prefixes: ABS, AGB, BIO, CEE, CHM, CIS, CSE, CST, ECN, EDT, EGR, ERM, FSE, GIS, GLG, GPH, HSE, IFT, MAT, MFG, OMT, PHY, PUP, SOS, TEM, or TMC.
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Lower Division Elective	0-3 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
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ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS
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Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Exercise and Wellness, BS Pathway 2021-2022

ASU Major: [Exercise and Wellness, BS](#) | College of Health Solutions

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

EXS 290: Introduction to Evidence-Based  
Practice



3 hrs

#### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR



3-9 hrs

MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry OR

MAT 155: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 156: College Algebra/Functions with  
Review and  
MAT 182: Plane Trigonometry OR

MAT 187: Precalculus

GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government or  
PSY 230: Introduction to Statistics



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology



3 hrs

Social-Behavioral Science [SB]



3 hrs

Per Maricopa degree requirements, HES 100 is recommended.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Exercise and Wellness BS degree program.

Natural Science [SQ, SG]



BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I	4 hrs		
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs		
CHM 150AA: General Chemistry I OR			
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR			
CHM 151AA: General Chemistry I			

**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs		Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs		Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 202: Human Anatomy and Physiology II	4 hrs		
EXS 101: Introduction to Exercise Science	3 hrs		
EXS 215: Fitness for Life	3 hrs		
EXS 217: Cardiorespiratory and Flexibility Training	3 hrs		
FON 241: Principles of Human Nutrition OR	3-4 hrs		
FON 241: Principles of Human Nutrition and FON 241LL: Principles of Human Nutrition Laboratory			
Lower Division Elective	0-9 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. EXS 125 Introduction to Exercise Physiology should be taken at the recommendation of the community college.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Exploratory Health and Life Sciences, BNODEG Pathway**  
**2021-2022**


ASU Major: [Exploratory Health and Life Sciences, BNODEG | College of Integrative Sciences and Arts](#)


## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs	MAT 142 is the minimum math required for completion of the AGECA. Students should consult with an academic advisor to determine if their major of interest requires a higher level math course.
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Computer/Statistics/Quantitative Applications [CS]	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
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Humanities, Arts, and Design [HU]	 3 hrs
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
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Social-Behavioral Science [SB]	 3 hrs
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	 4 hrs
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
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Historical or Global Awareness [H] or [G]	 0-3 hrs
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.

Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of "C" or better.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CPD 102AB: Career Exploration 0-2 hrs

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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## Maricopa Community College District Exploratory Humanities, Fine Arts and Design, BNODEG Pathway 2021-2022


ASU Major: [Exploratory Humanities, Fine Arts and Design, BNODEG](#) | College of Integrative Sciences and Arts


### Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs	MAT 142 is the minimum math required for completion of the AGECA. Students should consult with an academic advisor to determine if their major of interest requires a higher level math course.
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
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Humanities, Arts, and Design [HU]	 3 hrs
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
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Social-Behavioral Science [SB]	 3 hrs
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	 4 hrs
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
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Historical or Global Awareness [H] or [G]	 0-3 hrs
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### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.

Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of "C" or better.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CPD 102AB: Career Exploration 0-2 hrs Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement

Print

Maricopa Community College District

Exploratory Math, Physical Sciences, Engineering and Technology, BNODEG Pathway

2021-2022

ASU Major: [Exploratory Math, Physical Sciences, Engineering and Technology, BNODEG](#) | College of Integrative Sciences and Arts

## Pathway Requirements

First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

Complete MAT 220 or 221 or any mathematics course for which MAT 220 or 221 is a prerequisite. Students should consult with an academic advisor to determine if their major of interest requires a higher level math course.

Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.

Humanities, Arts, and Design [HU]



3 hrs

Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.

Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



Natural Science [SQ, SG]





## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-S. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.



Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.

CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4 hrs  
PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR	
BIO 181: General Biology (Majors) I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs  
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism OR	
BIO 182: General Biology (Majors) II	


**Subject Options**

Subject Options	6-8 hrs 	Using the Transfer Guide, select mathematics courses above calculus, and/or select science courses.
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**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

CPD 102AB: Career Exploration	2 hrs	Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.
Lower Division Elective	0-22 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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## Maricopa Community College District Exploratory Social and Behavioral Sciences, BNODEG Pathway 2021-2022


ASU Major: [Exploratory Social and Behavioral Sciences, BNODEG](#) | [College of Integrative Sciences and Arts](#)


### Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs	MAT 142 is the minimum math required for completion of the AGECE-A. Students should consult with an Academic Advisor to determine if their major of interest requires a higher level math course.
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
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Humanities, Arts, and Design [HU]	 3 hrs
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.



**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CPD 102ab: Career Exploration 0-2 hrs Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


Print


## Maricopa Community College District Family and Human Development, BS Pathway 2021-2022



ASU Major: [Family and Human Development, BS | College of Liberal Arts and Sciences](#)



### Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
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GBS 221: Business Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government or PSY 230: Introduction to Statistics	3 hrs  
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

<b>Social-Behavioral Science [SB]</b> CFS 205: Human Development	3 hrs 
CFS 112: Personal Growth and Family Relations	3 hrs 

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Family Life Education and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Family and Human Development BS degree program.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

SOC Elective or  
PSY Elective

6 hrs  
 

Select six credits of SOC and/or PSY courses.

CFS 210: Family Life Education

3 hrs

Required for AA, Emphasis in Family Life Education. Applies to the BS degree as FAS Departmental Elective.

Lower Division Elective

5-16 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



[Print](#)


**Maricopa Community College District**  
**Fashion, BA Pathway**  
**2021-2022**


ASU Major: [Fashion, BA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements



First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs

Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 ARH 102: Renaissance Through  
 Contemporary Art or  
 INT 105: Introduction to Interior Design or  
 ARH 100: Introduction to Art or  
 ARH 101: Prehistoric through Gothic Art or  
 ARH 115: History of Photography or  
 ARH 145: History of American Indian Art or  
 ARH 201: Art of Asia or  
 ARH 217: Mexican Art History   3 hrs

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

TEC 105: Cultural Aspects of Clothing  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs



General Education Awareness Areas [C, H, G]

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Fashion, BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

ART 100: Introduction to Computer Graphic Art or ART 169: Two-Dimensional Computer Design or ART 117: Life Drawing II or CIS 120DB: Computer Graphics: Adobe Illustrator or INT 200: Digital Rendering for Design	2 hrs	Satisfies ASU's Adobe Creative software requirement
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ART 111: Drawing I or ART 290BC: Studio Art: Drawing	3 hrs	Satisfies ASU's Art drawing requirement.
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TEC 111: Clothing Construction	3 hrs
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TEC 125: Fashion Design	3 hrs
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TEC 134: Fashion Illustration I or TEC 139: Fashion Illustration: Children's Wear	3 hrs
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TEC 221: Computer-Assisted Fashion Design	3 hrs
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TEC 222: Textiles	3 hrs
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Fashion Elective	3-5 hrs	Herberger Institute for Design and the Arts approves any transferable TEC topics to apply as Fashion Electives. TEC/MKT 109, TEC/MKT 200, TEC 113, TEC 114, TEC 115, TEC 120, TEC 129, TEC 151, TEC 221, TEC 224, TEC 225, TEC 226, TEC 240, or MKT 274 AC are all recommended courses for this requirement.
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Total Required Credits: 60

# Pathway Agreement

[Print](#)

## Maricopa Community College District Film (Film and Media Studies), BA Pathway 2021-2022


ASU Major: [Film \(Film and Media Studies\), BA | College of Liberal Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Film (Film & Media Studies) B.A. degree program.

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

Lower Division Elective 0-22 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement

[Print](#)


**Maricopa Community College District**  
**Film (Filmmaking Practices), BA Pathway**  
**2021-2022**


ASU Major: [Film \(Filmmaking Practices\), BA | Herberger Institute for Design and the Arts](#)


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> HUM 205: Introduction to Cinema or THF 205: Introduction to Cinema	3 hrs 
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HUM 210: Contemporary Cinema or THF 210: Contemporary Cinema	3 hrs 
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 	It is recommended to select a course which satisfies [SB] and awareness area [C, H, or G] requirements simultaneously.
Social-Behavioral Science [SB]	3 hrs 	It is recommended to select a course which satisfies [SB] and awareness area [C, H, or G] requirements simultaneously.

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 	[C] may be used to simultaneously fulfill other AGECE requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs 	[H] and [G] may be used to simultaneously fulfill other AGECE requirements.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECE-A, guarantees admission to the Film (Filmmaking Practices) BA degree program, and meets specific major map requirements for this degree program only.

MCCC Additional Requirements



COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ART 279: Media Productions II or  
 FMP 105: Studio Production or  
 FMP 108: Video Production

3 hrs

FMP 111: Screenwriting I and  
 FMP 211: Course Title Not Available OR

3-6 hrs

FMT 121: Story Theory for Film, Television  
 and Media

FMT 251: Advanced Studio Production

3 hrs

TCM 241: AVID Media Composer Editing 0-4 hrs Up to 9 credits of prerequisites for this course may be applied to lower division electives. Students are urged to start the sequence of prerequisites early in their program of study. Be advised: if completing FMP 220 at ASU, instructor override approval is needed to enroll in the course.

Lower Division Elective 0-16 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. Recommend meeting prerequisites for TCM 241 within these elective credits.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Finance, BS Pathway**  
**2021-2022**



ASU Major: **Finance, BS | W. P. Carey School of Business**





## Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	 3 hrs	If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.
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Mathematical Studies [MA, CS] MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

Natural Science [SQ, SG] Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS & PROFESSIONS	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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**Maricopa Community College District**  
**Food and Nutrition Entrepreneurship, BS Pathway**  
**2021-2022**



ASU Major: [Food and Nutrition Entrepreneurship, BS | College of Health Solutions](#)





## Pathway Requirements





<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 	COM 225 will fulfill this requirement.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or any course that meets (MA) general studies requirement	3-6 hrs 
<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs  
Social-Behavioral Science [SB]	3 hrs  

<b>Natural Science [SQ, SG]</b> CHM 130: Fundamental Chemistry and CHM 130LL: Fundamental Chemistry Laborat OR	4 hrs  
CHM 130AA: Fundamental Chemistry with Lab	
BIO 160: Intro To Human Anatomy & Physiology OR	4 hrs  
BIO 205: Microbiology	



General Education Awareness Areas [C, H, G]


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Food and Nutrition Entrepreneurship B.S. degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements FON 100: Introductory Nutrition or FON 241: Principles of Human Nutrition	3 hrs	
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FON 142AB: Applied Food Principles	3 hrs	
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Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Forensic Science, BS Pathway**  
**2021-2022**



ASU Major: **Forensic Science, BS | New College of Interdisciplinary Arts and Sciences**



## Pathway Requirements




<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs





<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-5 hrs	If MAT 212 or 213 is taken to meet this MA requirement, students must also take MAT 182 or MAT 187, or be eligible for MAT 220 or MAT 221 by appropriate placement test score, or have completed a year of high school trigonometry with a grade of "C" or better to meet the prerequisite for PHY 111.
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I		

MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government or GBS 221: Business Statistics	  3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> AJS 101: Introduction To Criminal Just	 3 hrs
PSY 101: Introduction to Psychology	  3 hrs

<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I	  4 hrs
BIO 182: General Biology (Majors) II	  4 hrs

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.







## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Forensics BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs 	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs 	
CHM 152AA: General Chemistry II		
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory	4 hrs 	
CHM 236: General Organic Chemistry II and CHM 236LL: General Organic Chemistry II Laboratory	4 hrs 	
PHY 111: General Physics I	4 hrs 	
PHY 112: General Physics II	4 hrs 	
Lower Division Elective	0-1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**French, BA Pathway**  
**2021-2022**



ASU Major: [French, BA | College of Liberal Arts and Sciences](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs
<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs	Select a course that also fulfills [C]
Humanities, Arts, and Design [HU]	 3 hrs	

<b>Social-Behavioral Science [SB]</b> ENG 213: Introduction to the Study of Language or SLC 201: Introduction to Linguistics	 3 hrs
<b>Social-Behavioral Science [SB]</b>	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ course within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0 hrs	Fulfilled by [HU]
Historical or Global Awareness [H] or [G]	 0 hrs	Fulfilled by ASU's FRE 101



## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the French BA degree program.



COM 100: Introduction to Human Communication OR	0-3 hrs		
COM 110: Interpersonal Communication OR			
COM 225: Public Speaking OR			
COM 230: Small Group Communication			
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
FRE 101: Elementary French I or FRE 101AA: Elementary French I	4 hrs		
FRE 102: Elementary French II or FRE 102AA: Elementary French II	4 hrs		
FRE 201: Intermediate French I	4 hrs		
FRE 202: Intermediate French II	4 hrs		
ITA 101: Elementary Italian I or ITA 101AA: Elementary Italian I	4 hrs		
Lower Division Elective	0-5 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement


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**Maricopa Community College District**  
**General Studies, BA Pathway**  
**2021-2022**


ASU Major: [General Studies, BA | College of Integrative Sciences and Arts](#)


## Pathway Requirements


First Year Composition  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs


Literacy and Critical Inquiry  
 Literacy and Critical Inquiry  3 hrs


Mathematical Studies  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics and  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  3 hrs Complete one course that transfers to ASU with a CS designation.


Humanities, Arts, and Design  
 Humanities, Arts, and Design  3 hrs Students are encouraged to choose courses from different disciplines for the Humanities [HU] requirements. Courses must transfer to ASU with an [HU] designation.


Humanities, Arts, and Design  3 hrs


Social-Behavioral Science  
 Social-Behavioral Science  3 hrs Students are encouraged to choose courses from different disciplines for the Social and Behavioral Sciences [SB] requirements. Courses must transfer to ASU with an [SB] designation.

Social-Behavioral Science  3 hrs

Natural Science  
 Natural Science  4 hrs ASU requires completion of two Lab Science courses. At least one course must be an SQ.

Natural Science  4 hrs

AGEC Awareness Areas  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

There are no notes for this pathway

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the General Studies BGS degree program.

View Bachelor of Arts in General Studies clusters at:  
<https://cisa.asu.edu/general-studies/degree-clusters>. Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript and must have their Associate in Arts (AA) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the General Studies BGS degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

**MCCCD Additional Requirements**

COM 100: Introduction to Human  
Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading and Critical Thinking

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

11-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. Recommend selecting courses that fulfill BGS cluster requirement.

Total Required Credits: 60





# Pathway Agreement

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**Maricopa Community College District**  
**Geographic Information Science, BS Pathway**  
**2021-2022**



ASU Major: [Geographic Information Science, BS | The College of Liberal Arts and Sciences](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 150: College Algebra/Functions and MAT 182: Plane Trigonometry OR	  5-9 hrs
MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry OR	
MAT 152: College Algebra/Functions and MAT 182: Plane Trigonometry OR	
MAT 155: College Algebra/Functions with Review and MAT 182: Plane Trigonometry OR	
MAT 156: College Algebra/Functions with Review and MAT 182: Plane Trigonometry OR	
MAT 187: Precalculus	
GIS 205: Geographic Information Technologies	3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs



<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ course within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Geography degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Geographic Information Science, BS degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		

CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

GIS 211: Geographic Information Science I	4 hrs	
Lower Division Elective	3-19 hrs	

Total Required Credits: 60





# Pathway Agreement

[Print](#)


**Maricopa Community College District**  
**Geography, BA Pathway**  
**2021-2022**


ASU Major: [Geography, BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
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GIS 205: Geographic Information Technologies	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
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Humanities, Arts, and Design [HU]	3 hrs 
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<b>Social-Behavioral Science [SB]</b> GCU 121: World Geography I: Eastern Hemisphere and GCU 122: World Geography II: Western Hemisphere	6 hrs 	GCU 121 and 122 are both required in order to receive credit for GCU 121 at ASU.
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<b>Natural Science [SQ, SG]</b> GPH 111: Intro to PHYSICAL GEOGRAPHY and GPH 112: Introduction to Physical Geography Lab OR  GPH 113: Introduction to Physical Geography	4 hrs 
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GPH 211: Landform Processes OR  GPH 212: Introduction to Meteorology I and GPH 214: Introduction to Meteorology Laboratory I OR  GPH 213: Climate and Weather and GPH 215: Climate and Weather Laboratory	4 hrs 
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General Education Awareness Areas [C, H, G]


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Emphasis in Geography degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Geography, BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by GCU 102, 121, 122.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
GCU 102: Intro to HUMAN GEOGRAPHY	3 hrs		
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs		For Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	0-22 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60



# Pathway Agreement



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**Maricopa Community College District**  
**Geography, BS Pathway**  
**2021-2022**



ASU Major: [Geography, BS | College of Liberal Arts and Sciences](#)


## Pathway Requirements


**First Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

**Literacy and Critical Inquiry [L]**  
 Literacy and Critical Inquiry  3 hrs


**Mathematical Studies [MA, CS]**  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review   3-6 hrs

GIS 205: Geographic Information  
 Technologies  3 hrs



**Humanities, Arts, and Design [HU]**  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

**Social-Behavioral Science [SB]**  
 GCU 121: World Geography I: Eastern Hemisphere or  
 GCU 122: World Geography II: Western Hemisphere 6 hrs GCU 121 and 122 are both required in order to receive credit for GCU 121 at ASU.

**Natural Science [SQ, SG]**  
 GPH 111: Intro to PHYSICAL GEOGRAPHY  
 and  
 GPH 112: Introduction to Physical  
 Geography Lab OR  4 hrs

GPH 113: Introduction to Physical  
 Geography

GPH 211: Landform Processes OR   4 hrs

GPH 212: Introduction to Meteorology I and  
 GPH 214: Introduction to Meteorology  
 Laboratory I OR

GPH 213: Climate and Weather and  
 GPH 215: Climate and Weather Laboratory

General Education Awareness Areas [C, H, G]

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Emphasis in Geography degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Geography, BS degree program.



Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by GCU 102, 122, 122.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
GCU 102: Introduction to Human Geography	3 hrs		
Lower Division Major Electives	0-6 hrs		Choose up to 6 credit hours of courses (not applied elsewhere) that transfer to ASU as courses or electives with the GCU, GIS, GPH, or PUP prefixes.
Lower Division Elective	4-22 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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## Maricopa Community College District Geography (Meteorology-Climatology), BS Pathway 2021-2022



ASU Major: [Geography \(Meteorology-Climatology\), BS](#) | College of Liberal Arts and Sciences

### Pathway Requirements




First-Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.
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Mathematical Studies [MA] MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  
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Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

Social-Behavioral Science [SB] GCU 102: Introduction to Human Geography	3 hrs
Social-Behavioral Science [SB]	3 hrs

Natural Science [SQ, SG] PHY 115: University Physics I or PHY 121: University Physics I: Mechanics	4-5 hrs  
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism	4-5 hrs 

Subject Options MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 


General Education Awareness Areas [C, H, G]


### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Geography-Meteorology degree and AGECS. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Geography (Meteorology-Climatology), BS degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by GCU 102.

<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs		Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>			
GIS 205: Geographic Information Technologies	3 hrs		
GPH 111: Intro to PHYSICAL GEOGRAPHY and GPH 112: Introduction to Physical Geography Lab OR GPH 113: Introduction to Physical Geography	4 hrs		
GPH 212: Introduction to Meteorology I and GPH 214: Introduction to Meteorology Laboratory I	4 hrs		
GPH 213: Climate and Weather and GPH 215: Climate and Weather Laboratory	4 hrs		
Lower Division Elective	0-7 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**German, BA Pathway**  
**2021-2022**



ASU Major: [German, BA | College of Liberal Arts and Sciences](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs	Recommend selecting a course that satisfies (L and COM) or (L and CRE101) requirements simultaneously.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs
<b>Lower Division Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs	Three credit hours of Humanities, Arts, and Design [HU] requirement may be satisfied with SLC 201 or ENG 213.
Humanities, Arts, and Design [HU]	 3 hrs	

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs	Social & Behavioral Science: Three credit hours of Social-Behavioral Sciences [SB] requirement may be satisfied with SLC 201 or ENG 213.
Social-Behavioral Science [SB]	 3 hrs	

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs	
Historical or Global Awareness [H] or [G]	 0-3 hrs	AGEC Awareness Area [G] met by GER 101, GER 102, GER 201, or GER 202.


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the German BA degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.33 cumulative GPA required in all Sun Devil tracking courses: GER 101/101AA, GER 102/102AA, GER 201, GER 202.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ENG 213: Introduction to the Study of Language or SLC 201: Introduction to Linguistics	0-3 hrs	
GER 101: Elementary German I or GER 101AA: Elementary German I	4 hrs 	Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirements courses.
GER 102: Elementary German II or GER 102AA: Elementary German II	4 hrs 	
GER 201: Intermediate German I	4 hrs 	
GER 202: Intermediate German II	4 hrs 	
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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**Maricopa Community College District**  
**Global Health, BA Pathway**  
**2021-2022**

ASU Major: [Global Health, BA](#) | [College of Liberal Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs


### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government   3 hrs


### Humanities, Arts, and Design [HU]

ASB 222: Buried Cities and Lost Tribes: Old World or  
 ASB 223: Buried Cities and Lost Tribes: New World  3 hrs Course may also be used to satisfy three credits of Humanities, Arts & Design (HU) or Social-Behavioral Sciences (SB) and Global Awareness (G) and Historical Awareness (H)


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

AFR 202: ETHNIC RELATIONS IN the U.S.  
 or  
 ASB 202: ETHNIC RELATIONS IN the U.S.  3 hrs


ASB 102: Culture in a Globalizing Worl  3 hrs


### Natural Science [SQ, SG]

ASM 104: Bones, Stones and Human  
 Evolution  4 hrs

Natural Science [SQ]  4 hrs Select a course that meets the Science Quantitative [SQ] General Education requirement.

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Met by ASB/AFR 202.

Historical or Global Awareness [H] or [G]  0 hrs Met by ASB/AFR 202.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Anthropology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Global Health, B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



completed with a grade of "C" or better.

CRE 101: College Critical Reading and Critical Thinking

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

ASB 100: Introduction to Global Health

0-3 hrs

Can be taken after transfer

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

0-16 hrs

Second Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.

Lower Division Elective

0-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Global Management, BGM Pathway**  
**2021-2022**


ASU Major: [Global Management, BGM | Thunderbird School of Global Management](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs

Mathematical Studies [MA, CS]  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus  3-4 hrs


GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 ECN 211: Macroeconomic Principles   3 hrs

ECN 212: Microeconomic Principles   3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Global Management, BGM degree program.


While the Global Management, BGM MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. The additional coursework for this option is listed in the track at the bottom of the MAPP. Selecting this option will limit the number of electives available compared to the Associate of Arts because the additional ABUS requirements are taken in their place. Please work with a Maricopa Advisor if you are following the AGEC-B option.

Students pursuing a major in Global Management have two different major tracks available to them: 1.) International Business, Language, & Culture, and 2.) International Business & Culture. Students pursuing the International Business, Language, & Culture track are required to study a foreign language through the fourth semester-level, as well as upper-division language & culture courses. Students pursuing International Business & Culture are not required to study a foreign language; instead, they study additional coursework in international management and global studies.




COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR	0-9 hrs 	ASU's TGM 200 may be completed in the first term after transfer to meet this requirement. Associate in Arts pathway only.
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ACC 111: Accounting Principles I and  
ACC 112: Accounting Principles II and  
ACC 212: Managerial Accounting OR

ACC 211: Financial Accounting and  
ACC 212: Managerial Accounting

CHI 101: ELEMENTARY CHINESE (MANDARIN) I and CHI 102: ELEMENTARY CHINESE (MANDARIN) II and CHI 201: Intermediate Chinese I and CHI 202: Intermediate Chinese II OR	0-20 hrs 	Required for International Business, Language, and Culture Concentration Only. Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Mandarin Chinese or Spanish); Elective credits may require adjustment. See advisor.
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SPA 101: Elementary Spanish I and  
SPA 102: Elementary Spanish II and  
SPA 201: Intermediate Spanish I and  
SPA 202: Intermediate Spanish II

Lower Division Elective	0-26 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. Depending on which concentration is chosen (International Business & Culture or Language and Culture), the amount of elective credit taken must equal the amount needed to reach 60-64 credits.
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ABUS Requirements	0 hrs	While the Global Management, BGM MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. This track requires to students to use Lower Division Electives to complete all of the listed requirements before transferring to ASU. It is recommended that students discuss this option with their advisor in order to best plan the elective credits in order to not exceed the maximum transferable credit range (64).
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Total Required Credits: 61

**Track/Groups**

**ABUS Requirements**

ABUS Requirements	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business AND  Business Electives or Programming I & II AND  ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR  ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting AND  GBS 205: Legal, Ethical, And Regulatory Issues in Business	Students have the choice of selecting either 6 credits of Business Electives or 6 credits of Programming requirements. Business Electives are required for the ABUS-GR while the Programming courses are required for the ABUS-SR. Completing the ABUS requirements will decrease the number of elective credits available. Discuss course requirements with Maricopa Advisor.

# Pathway Agreement



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**Maricopa Community College District**  
**Global Studies, BA Pathway**  
**2021-2022**


ASU Major: [Global Studies, BA](#) | [College of Liberal Arts and Sciences](#)

## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Analysis  
 [CS]   3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

MCCCD Additional Requirements


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Global Studies, B.A. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. The Global Studies BA degree requires completion of a global experience through ASU's study abroad programs or an international internship. All experiences must be approved by the School of Politics and Global Studies' internship coordinator.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
AHU 245: Arabic Culture and Islam or ECN 250: World Economic Systems or HCR 230: Culture and Health or HIS 277: The Modern Middle East or IBS 109: Cultural Dimension for International Trade or REL 290: Women and World Religions or WST 290: Women and World Religions	6 hrs	Select two of the classes listed (6 hours). Only one of REL 290 and WST 290 may apply because they are cross-listed.
<b>Related Area</b>	0-12 hrs	Choose four Related Area courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AFR, ASB, ASM, BIO, COM, ECN, GCU, GPH, HST, JUS, PAF, POS, PUP, REL, SOS, WST. Courses may be used to simultaneously fulfill any outstanding AGEC requirements.
<b>Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.</b>	0-16 hrs	Second Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.
<b>Lower Division Elective</b>	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Graphic Information Technology, BS Pathway**  
**2021-2022**

ASU Major: [Graphic Information Technology, BS | Ira A. Fulton Schools of Engineering](#)




## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3-4 hrs	PSY 290AB or PSY 290AC recommended.
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<b>Mathematical Studies [MA, CS]</b> MAT 187: Precalculus OR MAT 150: College Algebra/Functions and MAT 182: Plane Trigonometry OR MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry OR MAT 152: College Algebra/Functions and MAT 182: Plane Trigonometry OR MAT 155: College Algebra/Functions with Review and MAT 182: Plane Trigonometry OR MAT 156: College Algebra/Functions with Review or MAT 182: Plane Trigonometry	  5-9 hrs
GBS 221: Business Statistics or MAT 206: Elements of Statistics or PSY 230: Introduction to Statistics or SWU 225: Statistics for Social Research/Justice and Government	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs	Recommend selecting a course that also meets Cultural Diversity in the U.S [C], Global Awareness [G], and/or Historical Awareness [H] requirements.
Humanities, Arts, and Design [HU]	 3 hrs	Recommend selecting a course that also meets Cultural Diversity in the U.S [C], Global Awareness [G], and/or Historical Awareness [H] requirements.

<b>Social-Behavioral Science [SB]</b> PSY 101: Introduction to Psychology	  3 hrs	
<b>Social-Behavioral Science [SB]</b>	 3 hrs	Recommend selecting a course that also meets Cultural Diversity in the U.S [C], Global Awareness [G], and/or Historical Awareness [H] requirements.

Natural Science [SQ, SG]

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Graphic Information Technology, BS degree program.

Natural Science [SQ, SG]	4 hrs	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs	

General Education Awareness Areas [C, H, G]		
Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements		
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	

CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Additional Lower Division Requirements		
INT 235: Universal Design or ART 111: Drawing I or ART 290BC: Studio Art: Drawing	3 hrs	INT 235 is recommended.
CIS 132: HTML/CSS or CIS 133DA: Internet/Web Development Level I	3 hrs	
EPS 150: Introduction to Entrepreneurship	3 hrs	
Lower Division Elective	0-14 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Health Care Coordination, BS Pathway 2021-2022

ASU Major: [Health Care Coordination, BS](#) | College of Nursing and Health Innovation

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

COM 225: Public Speaking



#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that satisfies [MA]  
requirement.



MAT 206: Elements of Statistics or  
PSY 230: Introduction to Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government



#### Humanities, Arts, and Design [HU]

HCR 210: Clinical Health Care Ethics



Humanities, Arts, and Design [HU]



#### Social-Behavioral Science [SB]

CFS 205: Human Development or  
PSY 240: Developmental Psychology



PSY 101: Introduction to Psychology



#### Natural Science [SQ, SG]

CHM 130: Fundamental Chemistry and  
CHM 130LL: Fundamental Chemistry Lab  
OR



CHM 130AA: Fundamental Chemistry with  
Lab

BIO 205: Microbiology





General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements




Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Care Coordination, BS degree program.

Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by HCR 230.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HCR 220.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 201: Human Anatomy and Physiology	4 hrs 	
BIO 202: Human Anatomy and Physiology	4 hrs 	
FON 241: Principles of Human Nutrition OR FON 241: Principles of Human Nutrition and FON 241LL: Principles of Human Nutrition Laboratory	3-4 hrs	
HCR 220: Introduction to Nursing and Health Care Systems	3 hrs	
HCR 230: Culture and Health	3 hrs	
HCR 240: Human Pathophysiology OR HCR 240AA: Human Pathophysiology I and HCR 240AB: Human Pathophysiology II	4 hrs	
SOC 101: Introductory Sociology	3 hrs 	
Lower Division Elective	0-1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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**Maricopa Community College District**  
**Health Education and Health Promotion, BS Pathway**  
**2021-2022**



ASU Major: [Health Education and Health Promotion, BS | College of Health Solutions](#)

## Pathway Requirements



First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 151AA: College Algebra and  
 MAT 151AB: Functions I and  
 MAT 151AC: College Algebra and  
 MAT 151AD: Functions or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with  
 Review or  
 MAT 156: College Algebra/Functions with  
 Review OR   3-6 hrs



MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review

GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government or  
 PSY 230: Introduction to Statistics   3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 HES 100: Healthful Living or  
 WED 110: PRINCIPLES PHYSICAL  
 FITNESS/WELLNESS  3 hrs

Social-Behavioral Science [SB]   3 hrs

Natural Science [SQ, SG]




## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Education and Health Promotion BS degree program.




BIO 160: Introduction to Human Anatomy and Physiology	4 hrs	 
CHM 107: Chemistry and Society and CHM 107LL: CHEMISTRY & SOCIETY LAB OR	4-5 hrs	
CHM 130: Fundamental Chemistry and CHM 130LL: Fundamental Chemistry Laboratory or CHM 130AA: Fundamental Chemistry with Lab OR		
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 150AA: General Chemistry I or CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory or CHM 151AA: General Chemistry I OR		
BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I		

**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0-3 hrs	 AGEC Awareness Areas [C] or [G] met by HES 210.
Historical or Global Awareness [H] or [G]	0-3 hrs	 AGEC Awareness Areas [C] or [G] met by HES 210.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	 COM 225 will fulfill Literacy and Critical Inquiry [L].
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

FON 241: Principles of Human Nutrition or FON 100: Introductory Nutrition	3 hrs	
Lower Division Elective	7-22 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. HEP 102 and CHS 300 will need to be taken after transfer.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Health Entrepreneurship and Innovation, BS Pathway**  
**2021-2022**


ASU Major: [Health Entrepreneurship and Innovation, BS | College of Nursing and Health Innovation](#)



## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 COM 225: Public Speaking  3 hrs



Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs



GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government OR  
 PSY 230: Introduction to Statistics   3 hrs

Humanities, Arts, and Design [HU]  
 HCR 210: Clinical Health Care Ethics   3 hrs

Humanities, Arts, and Design [HU]  
 3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

SOC 101: Introduction to Sociology   3 hrs

Natural Science [SQ, SG] Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement. ASU's College of Nursing and Health Innovation recommends GLG 110 and GLG 111.
Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement. ASU's College of Nursing and Health Innovation recommends BIO 100.

General Education Awareness Areas [C, H, G]

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The BS in Health Entrepreneurship Innovation is the first of its kind in the country, intended for students who want to lead transformative change in health through the creation of new products, processes and systems. With a focus on transdisciplinary experiences, this program will provide students with a broad background in the principles of innovation, leadership, complexity science, change theory, collaboration and evidence-based decision making to prepare graduates to manage implementation of innovation in the health care arena.

This unique program situates students at the intersection of innovation and entrepreneurship in health and healing.

This innovative program would be a great pathway for any community college student with an interest in health, business, health care administration, entrepreneurship, and many other areas.

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA-A, meets major map requirements at ASU, and guarantees admission to the Health Entrepreneurship and Innovation BS degree program.

Cultural Diversity in the U.S. [C]	0 hrs	Satisfied by HCR 230 or HES 210.
Historical or Global Awareness [H] or [G]	0 hrs	Satisfied by HCR 230 or HES 210

<b>MCCCD Additional Requirements</b> COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b> COM 100: Introduction to Human Communication	3 hrs	
HCC 130: FUNDAMENTALS IN HEALTH CARE DELIVERY or HCR 220: Introduction to Nursing and Health Care Systems	3 hrs	
HCR 230: Culture and Health or HES 210: Cultural Aspects of Health and Illness	3 hrs	
Health Innovation Elective	0-18 hrs	Select courses from the Track/Groups section to below. Students should consult with an ASU advisor to identify appropriate courses in a thematic area when selecting Health Innovation Electives.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

## Track/Groups

### Health Innovation Elective

<b>Health Innovation Elective</b>	
HES 100: Healthful Living or WED 110: PRINCIPLES PHYSICAL FITNESS/WELLNESS	<b>Health Innovation Elective</b>
SUS 100: Introduction to Sustainability	
<b>Health Innovation Elective</b>	
SUS 110: Sustainable World	
<b>Health Innovation Elective</b>	
WST 100: Women and Society	
<b>Health Innovation Elective</b>	
ACC, ECN, FIN, HCR, LES, MGT, MKT, NTR, OGL, OMT, SOS, TEL, or TEM Departmental Elective	Select a course that transfers to ASU as a Departmental Elective in the indicated prefixes.
	<b>Health Innovation Elective</b>
ASB 100: Introduction to Global Health	

# Pathway Agreement



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**Maricopa Community College District**  
**Health Sciences, BS Pathway**  
**2021-2022**

ASU Major: [Health Sciences, BS | College of Health Solutions](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs COM 225 recommended

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs AGEC Awareness Areas [C] and [G] met by HES 210 (if selected to meet Additional Lower Division Requirement).

Historical or Global Awareness [H] or [G]  0-3 hrs AGEC Awareness Areas [C] and [G] met by HES 210 (if selected to meet Additional Lower Division Requirement).

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Sciences, BS degree program.

Students who matriculate to ASU will choose a track to complete: Community-based Health Outcomes; Health Legislation and Regulation; Language, Speech and Communication; or Integrated Care.

MCCC Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
FON 100: Introductory Nutrition	3 hrs		
HES 210: Cultural Aspects of Health and Illness or IFS 215: Cultural Context of Health Information	3 hrs		If HES 210 is selected, it meets a lower division requirement, [C] and [G]. Credits can only be counted once.
Lower Division Elective	5-19 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. CHS 300 will need to be taken after transfer to ASU.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Health Sciences (Healthy Lifestyles and Fitness Science), BS Pathway 2021-2022

ASU Major: [Health Sciences \(Healthy Lifestyles and Fitness Science\), BS | College of Health Solutions](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

EXS 290: Introduction to Evidence-Based  
Practice



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review

3-6 hrs



GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government or  
PSY 230: Introduction to Statistics



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

PSY 101: Introduction to Psychology



3 hrs

#### Natural Science [SQ, SG]

BIO 160: Intro To Human Anatomy &  
Physiology or  
BIO 201: Human Anatomy and Physiology I



4 hrs

CHM 130: Fundamental Chemistry and  
CHM 130LL: Fundamental Chemistry  
Laborat or  
CHM 130AA: Fundamental Chemistry with  
Lab



4 hrs



General Education Awareness Areas [C, H, G]

### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Sciences (Healthy Lifestyles and Fitness Science) BS degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs		Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs		Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

FON 241: Principles of Human Nutrition	3 hrs		
EXS 101: Introduction to Exercise Science	3 hrs		
Lower Division Elective	4-19 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**History, BA Pathway**  
**2021-2022**


ASU Major: [History, BA | New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [HU] value in the semester it is taken.

Humanities, Arts, and Design [HU]  3 hrs May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [HU] value in the semester it is taken.

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [SB] value in the semester it is taken.

Social-Behavioral Science [SB]  3 hrs May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [SB] value in the semester it is taken.

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

## Pathway Notes




Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in History degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the History BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>.



Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0-3 hrs		May be met with History Survey, History Elective, or History Related Area course. Check the Course Equivalency Guide to ensure course meets [H] or [G] value in the semester it is taken.
<b>MCCCD Additional Requirements</b>			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
History Lower Division Elective	3 hrs		
Two Semester Survey in U.S. History, World History or Western Civilization	6 hrs		If choosing U.S History Survey, complete HIS 103 and HIS 104; if choosing World History, complete HIS 110 and HIS 111; if choosing Western Civilization, complete two from HIS 100, HIS 101 and HIS 102.
Related Area Course	9 hrs		Select three courses (9 hours) that transfer to ASU as a direct equivalent or Departmental Elective credit (DEC) in the following ASU prefixes: ENG, HST, PHI, REL, SPA, WST.
Lower Division Elective	0-7 hrs		Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

## Track/Groups

Two Semester Survey in U.S. History, World History or Western Civilization

<b>Two Semester Survey in U.S. History, World History or Western Civilization</b>	
HIS 103: United States History to 1865 and HIS 104: United States History 1865 to	
<b>Two Semester Survey in U.S. History, World History or Western Civilization</b>	
HIS 110: World History to 1500 and HIS 111: WORLD HISTORY 1500 TO the PRESENT	
<b>Two Semester Survey in U.S. History, World History or Western Civilization</b>	
HIS 100: HIST OF W CIVILIZATION TO MID AGES or HIS 101: HIST OF W CIVILIZATION/MID AGES-1789 or HIS 102: HIST OF W CIVILIZATION/1789 TO PRSNT	Choose two of the indicated courses for six total credits.





# Pathway Agreement


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**Maricopa Community College District**  
**History, BA Pathway**  
**2021-2022**



ASU Major: [History, BA | College of Liberal Arts and Sciences](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs
<b>Computer/Statistics/Quantitative Applications</b>	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs	For Humanities [HU] and Social-Behavioral Sciences [SB] requirement, select courses that also satisfy History or Related Area requirements for the major.
Humanities, Arts, and Design [HU]	 3 hrs	For Humanities [HU] and Social-Behavioral Sciences [SB] requirement, select courses that also satisfy History or Related Area requirements for the major.

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs	For Humanities [HU] and Social-Behavioral Sciences [SB] requirement, select courses that also satisfy History or Related Area requirements for the major.
Social-Behavioral Science [SB]	 3 hrs	For Humanities [HU] and Social-Behavioral Sciences [SB] requirement, select courses that also satisfy History or Related Area requirements for the major.

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts, Emphasis in History and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History BA degree program.

Special Requirements: 2.25 GPA in History courses. 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

History Survey Courses	0-6 hrs	History Survey courses should also meet AGECA Humanities and Fine Arts and/or Social and Behavioral Science requirements. A list of History Survey Courses is located below.
Related Area Courses	0-6 hrs	Select two courses which transfer as either direct equivalencies or departmental electives to courses in the following ASU departments: AFR, AIS, APA, APH, ARS, ASB, ASM, ECN, ENG, GCU, HON, HPS, HUM, JUS, PHI, POS, REL, SGS, SOC, TCL, and WST. (Courses which transfer as ENG 101-111 are excluded). These courses may also satisfy Humanities [HU] and/or Social-Behavioral Sciences [SB] requirements when they carry those designations.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. HST 130 will need to be taken after transfer to ASU. For students with high transfer hours, it may be taken as HST 330 instead of HST 130.

Total Required Credits: 60

**Track/Groups**

History Survey Courses

History Survey Courses
HIS 110: World History to 1500 or HIS 111: WORLD HISTORY 1500 TO the PRESENT or HIS 100: HIST OF W CIVILIZATION TO MID AGES or HIS 101: HIST OF W CIVILIZATION/MID AGES-1789 or HIS 102: HIST OF W CIVILIZATION/1789 TO PRSNT or HIS 103: United States History to 1865 or HIS 104: United States History 1865 to Present or HIS 108: United States History 1945 to the Present or HIS 113: History of Eastern Civilizations to 1850 or HIS 114: History of Eastern Civilizations 1850 to Present





# Pathway Agreement


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**Maricopa Community College District**  
**History, BA Pathway**  
**2021-2022**


ASU Major: [History, BA | College of Integrative Sciences and Arts](#)


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets [MA] requirement	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
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Humanities, Arts, and Design [HU]	3 hrs 
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 
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Social-Behavioral Science [SB]	3 hrs 
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
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Historical or Global Awareness [H] or [G]	0-3 hrs 
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in History degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the History BA degree program.

Special Requirements: 2.25 GPA in History courses and Critical Tracking courses. 2.0 GPA in remaining coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

History Related Area	3 hrs	Select 1 course (3 hours) that transfer to ASU as direct equivalents or Departmental Elective credit (DEC) with an ENG, ISS, PHI, POS, REL, SOC, or STS prefix.
History Electives	9 hrs	Select 3 courses (9 hours) that transfer to ASU as direct equivalents or Departmental Elective credit (DEC) with an HST prefix. A minimum GPA of 2.25 is required in these courses.
Lower Division Elective	0-15 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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**Maricopa Community College District**  
**History of Science, Ideas and Innovation, BA Pathway**  
**2021-2022**



ASU Major: [History of Science, Ideas and Innovation, BA](#) | College of Integrative Sciences and Arts



## Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs 
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Mathematical Studies [MA, CS] Mathematics (MA)	3-6 hrs	A higher-level course that meets [MA] requirement is also acceptable.
Computer/Statistics/Quantitative Applications [CS]	3 hrs 	

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs 
Social-Behavioral Science [SB]	3 hrs 

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History of Science, Ideas and Innovation, BA degree program.

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

History Related Area	6 hrs	Select 2 courses from one subject/prefix that transfer to ASU as direct equivalents or Departmental Elective credit (DEC) with an ABS, ISS, PHY, POS, SOC, or STS prefix.
Lower Division Elective	4-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Human Systems Engineering, BS Pathway**  
**2021-2022**

ASU Major: **Human Systems Engineering, BS | Ira A. Fulton Schools of Engineering**


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

PSY 290AC: Research Methods or  
 PSY 290AB: Research Methods  4 hrs

### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR   5-9 hrs



MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR



MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR



MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR

MAT 187: Precalculus



GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 PSY 230: Introduction to Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government   3 hrs PSY 230 is an approved substitute for HSE 230.


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]   3 hrs Humanities and Fine Arts [HU]: Recommend selecting course that also satisfies [C].



Humanities, Arts, and Design [HU]   3 hrs Humanities and Fine Arts [HU]: Recommend selecting course that also satisfies [H].

### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs PSY 101 is an approved substitute for HSE 101.

Social-Behavioral Science [SB]  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]   4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG] 4 hrs

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



## Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Human Systems Engineering, BS degree program, within the Polytechnic School of the Ira A. Fulton Schools of Engineering.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>




General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical/Global Awareness [H or G]	0-3 hrs	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	

Additional Lower Division Requirements

CIS 105: Survey of Computer Information Systems or CIS 163AA: Java Programming: Level I or CSC 180: Computer Literacy	3 hrs	
ECE 102: Engineering Analysis Tools or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs	
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design		

Technical Elective	9 hrs	Select courses that transfer to ASU with the following prefixes: AME, AMT, BIO, BME, BMI, CAP, CIS, CSE, EEE, EGR, GIT, HSE, IEE, IFT, MFG, PSY, SER, TEM, TMC, TWC.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 60





















# Pathway Agreement

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## Maricopa Community College District Industrial Engineering, BSE Pathway 2021-2022

ASU Major: [Industrial Engineering, BSE](#) | [Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory	4 hrs 	Can be used to meet basic science requirement at ASU.
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory	4 hrs 	
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs 	The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs  	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs  	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 	
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	4-5 hrs  	
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs  	
Humanities, Arts, and Design or AGEC Awareness Areas	3-6 hrs 	Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.
Social-Behavioral Science or AGEC Awareness Areas	3 hrs 	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.
<b>Additional Lower Division Requirements</b>		
CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	3-4 hrs	Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete CSC 110, CSC 205 and ECN 211 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
CSC 120: Digital Design Fundamentals OR	3-5 hrs	Course meets engineering science elective for major.
CSC 240: Introduction to Different Pro or CSC 240AA: Introduction to Different Programming Languages OR		
EEE 202: Circuits and Devices		

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Industrial Engineering BSE degree program.

A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better.

Engineering Core courses should be prioritized over Additional Lower Division Requirements.

Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures	3-4 hrs 	
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECN 211: Macroeconomic Principles	3 hrs 	
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 62

# Pathway Agreement



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## Maricopa Community College District Information Technology, BS Pathway 2021-2022

ASU Major: [Information Technology, BS | Ira A. Fulton Schools of Engineering](#)



### Pathway Requirements

First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus 3-4 hrs


GBS 221: Business Statistics or  
MAT 206: Elements of Statistics or  
PSY 230: Introduction to Statistics or  
SWU 225: Statistics for Social  
Research/Justice and Government   3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs Recommended HU courses also include [C].


Humanities, Arts, and Design [HU]  3 hrs Recommended HU courses also include [H].


Social-Behavioral Science [SB]  
PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


MCCCD Additional Requirements



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Information Technology, BS degree program.

COM 100: Introduction to Human Communication or COM 230: Small Group Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking	0-3 hrs 
CRE 101: College Critical Reading	0-3 hrs

Additional Lower Division Requirements CIS 119DO: Introduction to Oracle: SQL and CIS 154: Database Modeling and Design OR  CIS 276DA: MySQL Database OR CIS 276DB: SQL Server Database	3-6 hrs
CIS 126DA: UNIX Operating System or CIS 126DL: Linux Operating System or CIS 239DL: Linux Shell Scripting	3 hrs
CIS 163AA: Java Programming: Level I	3 hrs 
CIS 162: C Programming I or CIS 162AD: C#: Level I or CSC 100: Introduction to Computer Science (C++) or CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 150: Programming in C/C++ or CSC 150AA: Programming in C/C++ or CSC 182: Principles of Programming with C#.NET or CSC 182AA: Principles of Programming with C#.NET	3-4 hrs
CNT 140AA: Introduction to Networks or CNT 140AB: Introduction to Networks	3-4 hrs
MAT 227: Discrete Mathematical Structures	3 hrs 

Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 60





# Pathway Agreement


[Print](#)


**Maricopa Community College District**  
**Innovation in Society, BA Pathway**  
**2021-2022**


ASU Major: [Innovation in Society, BA | School for the Future of Innovation in Society](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs
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<b>Computer/Statistics/Quantitative Analysis [CS]</b>	 3 hrs	The ASU School for the Future of Innovation in Society recommends selecting CIS 105 or CSE 180.
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Innovation in Society BA degree program.

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**  
Second Language: Requirement satisfied through the following: \* Completion of secondary education at a school in which the language of instruction is not English; \* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; \* Completion of upper division course(s) taught in a foreign language taken in the United States or the relevant country.

0-16 hrs

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60



# Pathway Agreement

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**Maricopa Community College District**  
**Innovation in Society, BS Pathway**  
**2021-2022**


ASU Major: [Innovation in Society, BS | School for the Future of Innovation in Society](#)



## Pathway Requirements

**First Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

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ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

**Literacy and Critical Inquiry [L]**  
 Literacy and Critical Inquiry [L]  3 hrs

**Mathematical Studies [MA, CS]**  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR   5-9 hrs

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MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR

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MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR

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MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR



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MAT 156: College Algebra/Functions with  
 Review or  
 MAT 182: Plane Trigonometry OR

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MAT 187: Precalculus


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GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government   3 hrs


**Humanities, Arts, and Design [HU]**  
 Humanities, Arts, and Design [HU]  3 hrs


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Humanities, Arts, and Design [HU]  3 hrs


**Social-Behavioral Science [SB]**  
 Social-Behavioral Science [SB]  3 hrs

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Social-Behavioral Science [SB]  3 hrs

**Natural Science [SQ, SG]**  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

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Natural Science [SQ, SG]  4 hrs

## Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Innovation in Society BS degree program.



General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements

Technical Electives	0-9 hrs	Select 3 courses that transfer to ASU as any of the following prefixes: AEE, AET, AML, ASM, AST, BIO, BCH, BME, CEE, CHE, CNE, EEE, EET, EGR, FSE, GLG, GPH, IEE, LSE, MAE, MAT, MBB, MEE, MET, MFG, MIC, MSE, PHS, PHY, PLB, OR STP. Courses may simultaneously fulfill any needed AGEC categories.
Lower Division Elective	0-23 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



[Print](#)



## Maricopa Community College District Integrative Health, BS Pathway 2021-2022

ASU Major: [Integrative Health, BS](#) | College of Nursing and Health Innovation


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review or  
MAT 146: College Mathematics with Review  3-6 hrs Or higher level mathematics course that satisfies [MA]



MAT 206: Elements of Statistics or  
PSY 230: Introduction to Statistics or  
SWU 225: Statistics for Social Research/Justice and Government   3 hrs Highly recommend taking [CS] prior to transfer. If taken at ASU, course must be taken in the first term after transfer. The AA degree requires completion of [CS].


#### Humanities, Arts, and Design [HU]

HCR 210: Clinical Health Care Ethics  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs

CFS 205: Human Development or  
PSY 240: Developmental Psychology  3 hrs


#### Natural Science [SQ, SG]


BIO 205: Microbiology   4 hrs

CHM 130: Fundamental Chemistry and  
CHM 130LL: Fundamental Chemistry Lab  
OR   4 hrs

CHM 130AA: Fundamental Chemistry with  
Lab

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by HCR 220.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by HCR 230.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.





### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Integrative Health, BS degree program.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

BIO 201: Human Anatomy and Physiology	4 hrs 	
BIO 202: Human Anatomy and Physiology	4 hrs 	
FON 241: Principles of Human Nutrition OR FON 241: Principles of Human Nutrition and FON 241LL: Principles of Human Nutrition Laboratory	3-4 hrs	
HCR 220: Introduction to Nursing and Health Care Systems	3 hrs	
HCR 230: Culture and Health	3 hrs	
HCR 240: Human Pathophysiology OR HCR 240AA: Human Pathophysiology I and HCR 240AB: Human Pathophysiology II	4 hrs	
MGT 246: Principles of Project Management or TQM 240: Project Management In Quality Orgs	3 hrs 	
SOC 101: Introduction to Sociology	3 hrs 	
SWU 250: Mindfulness for Stress Management	0-3 hrs	Course can be taken after transfer.

Total Required Credits: 62

# Pathway Agreement

[Print](#)

**Maricopa Community College District**  
**Integrative Social Science, BS Pathway**  
**2021-2022**

ASU Major: [Integrative Social Science, BS](#) | College of Integrative Sciences and Arts

## Pathway Requirements

First Year Composition [FYC] ENG 101: First-Year Composition	3 hrs		
ENG 102: First-Year Composition	3 hrs		

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs	
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Mathematical Studies [MA, CS] MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs	
Computer/Statistics/Quantitative Applications [CS]	3 hrs	

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs	
Humanities, Arts, and Design [HU]	3 hrs	

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs	
Social-Behavioral Science [SB]	3 hrs	

Natural Science [SQ, SG] Natural Science [SQ]	4 hrs		Select at least one SQ within the Natural Science requirement.
Natural Science [SG]	4 hrs		

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Integrative Social Science, BS degree program.

Up to a maximum total number of 75 credits may be transferred to ASU for students on this MAPP.

**MCCCD Additional Requirements**

CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		

**Additional Lower Division Requirements**

Lower Division Elective	13-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Interdisciplinary Arts and Performance, BA Pathway 2021-2022

ASU Major: [Interdisciplinary Arts and Performance, BA | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement



3-6 hrs

Computer/Statistics/Quantitative Applications



3 hrs

#### Humanities, Arts, and Design [HU]

Related Area Courses



6 hrs

Complete two courses that transfer to ASU as an HU in any of the following prefixes: ART, ARH, DAN, DAH, MUP, MUE, THE, and THP.

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Interdisciplinary Arts and Performances BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective 0-25 hrs Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 60**





# Pathway Agreement


Print


## Maricopa Community College District Interdisciplinary Arts and Sciences, BA Pathway 2021-2022


ASU Major: [Interdisciplinary Arts and Sciences, BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
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Humanities, Arts, and Design [HU]	3 hrs 
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 
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Social-Behavioral Science [SB]	3 hrs 
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
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Historical or Global Awareness [H] or [G]	0-3 hrs 
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MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Interdisciplinary Arts and Sciences BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>



COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**  
Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 60**



# Pathway Agreement

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**Maricopa Community College District  
Interdisciplinary Studies, BA Pathway  
2021-2022**

ASU Major: [Interdisciplinary Studies, BA | College of Integrative Sciences and Arts](#)

## Pathway Requirements

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
Additional Lower Division Requirements Maricopa AGEC	35 hrs 	Complete courses to complete the Maricopa Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGECE satisfies lower division general studies and first year composition.
Lower Division Concentration Courses	0-12 hrs	Students should refer to the BIS Concentration Checksheet for their two subject areas to determine what if any courses fulfill their subject area requirements and Associate's degree requirements.
Lower Division Elective	0-40 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college Associate's degree requirements.

Total Required Credits: 75

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGECE-S, or AGECE-B) certified on their transcript and must have their Associate Degree (AA, AAEE, AAFA, ABUS-GR, ABUS-SR, or AS) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies degree program.

The Bachelor of Interdisciplinary Studies allows students to take an active role in designing their own major by selecting two subject areas. Students should follow this link: <https://cls.asu.edu/interdisciplinary-studies-1> their two subject areas of interest. Some combinations are not permissible; contact a CISA Academic Advisor (<https://cisa.asu.edu/advising>) for additional information.

The following degrees and associated sub plans accept up to 75 credit hours of community college coursework upon successful completion of an Associate Degree from partnering community colleges: Interdisciplinary Studies, BA, Liberal Studies, BA and Organizational Leadership, BA.


# Pathway Agreement

[Print](#)

**Maricopa Community College District  
Interdisciplinary Studies (Organizational Studies), BA Pathway  
2021-2022**

ASU Major: [Interdisciplinary Studies \(Organizational Studies\), BA | College of Integrative Sciences and Arts](#)

## Pathway Requirements

MCCCD Additional Requirements COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs

Additional Lower Division Requirements Maricopa AGECE	35 hrs 	Complete courses to complete the Maricopa Arizona General Education Curriculum (AGECE) based on your Associate's degree. A completed AGECE satisfies lower division general studies and first year composition.
Lower Division Elective	0-40 hrs	Lower division electives may be taken to complete associate degree requirements. Up to a maximum total number of 75 credits may be transferred to ASU for students on this pathway.

Total Required Credits: 75

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGECE) certified on their transcript and must have their Associate Degree (AA, AAEE, AAFA, ABUS-GR, ABUS-SR, or AS) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) degree program.

The following degrees and associated sub plans accept up to 75 credit hours of community college coursework upon successful completion of an Associate Degree from partnering community colleges: Interdisciplinary Studies, BA, Liberal Studies, BA and Organizational Leadership, BA.





# Pathway Agreement


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## Maricopa Community College District International Letters and Cultures (Classical Civilization), BA Pathway 2021-2022


ASU Major: [International Letters and Cultures \(Classical Civilization\), BA | College of Liberal Arts and Sciences](#)


### Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
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
Humanities, Arts, and Design [HU]	3 hrs 
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<b>Social-Behavioral Science [SB]</b> ENG 213: Introduction to the Study of Language or SLC 201: Introduction to Linguistics	3 hrs 	ASU recommends SLC 201.
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Social-Behavioral Science [SB]	3 hrs 
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
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Historical or Global Awareness [H] or [G]	0-3 hrs 
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### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Humanities degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the International Letters and Cultures (Classical Civilization), BA degree program.

MCCCDC Additional Requirements

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-20 hrs Second Language Requirement: Select 101, 102, 201, 202 as needed to reach fourth semester proficiency.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**International Letters and Cultures (Classics), BA Pathway**  
**2021-2022**


ASU Major: [International Letters and Cultures \(Classics\), BA | College of Liberal Arts and Sciences](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> ENG 213: Introduction to the Study of Language or SLC 201: Introduction to Linguistics	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	


<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

## Pathway Notes





Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the International Letters and Cultures (Classics)—Latin, BA degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

LAT 101: Elementary Latin I	4 hrs 	
LAT 102: Elementary Latin II	4 hrs 	
LAT 201: Intermediate Latin I	0-4 hrs 	LAT 201 may satisfy the Humanities, Fine Arts, and Design (HU) requirement or may be taken after transfer to ASU
LAT 202: Intermediate Latin II	0-4 hrs 	LAT 202 may satisfy the Humanities, Fine Arts, and Design (HU) requirement or may be taken after transfer to ASU
Lower Division Elective	0-17 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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

**Maricopa Community College District**  
**International Trade, BS Pathway**  
**2021-2022**



ASU Major: [International Trade, BS | Thunderbird School of Global Management](#)





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus	 3-4 hrs
GBS 221: Business Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	  3 hrs
ECN 212: Microeconomic Principles	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ course within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the International Trade, BS degree program.

While the International Trade, BS MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. The additional coursework for this option is listed in the track at the bottom of the MAPP. Selecting this option will limit the number of electives available compared to the Associate in Arts because the additional ABUS requirements are taken in their place.




COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR	0-9 hrs 	ASU's TGM 200 may be completed in the first term after transfer to meet this requirement.
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ACC 111: Accounting Principles I and  
ACC 112: Accounting Principles II and  
ACC 212: Managerial Accounting OR

ACC 211: Financial Accounting and  
ACC 212: Managerial Accounting

CIS 105: Survey of Computer Information Systems	3 hrs 
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MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs
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ABUS Requirements	0 hrs	While the International Trade, BS MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. This track requires students to use Lower Division Electives to complete all of the listed requirements before transferring to ASU. It is recommended that students discuss this option with their advisor in order to best plan the elective credits in order to not exceed the maximum transferable credit range (64).
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Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

**Track/Groups**

**ABUS Requirements**

ABUS Requirements	
GBS 205: Legal, Ethical, And Regulatory Issues in Business AND  Business Electives or Programming I & II AND  ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR  ACC 111: Accounting Principles I or ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR  ACC 211: Financial Accounting and ACC 212: Managerial Accounting	Students have the choice of selecting either 6 credits of Business Electives or 6 credits of Programming requirements. Business Electives are required for the ABUS-GR while the Programming courses are required for the ABUS-SR. Completing the ABUS requirements will decrease the number of elective credits available. Discuss with Maricopa Advisor if doing AGECE B option.



# Pathway Agreement



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**Maricopa Community College District**  
**Italian, BA Pathway**  
**2021-2022**


ASU Major: **Italian, BA** | College of Liberal Arts and Sciences


## Pathway Requirements


**First Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


**Literacy and Critical Inquiry [L]**  
 Literacy and Critical Inquiry [L]  3 hrs


**Mathematical Studies [MA, CS]**  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


**Computer/Statistics/Quantitative Applications [CS]**  3 hrs

**Humanities, Arts, and Design [HU]**  
 SLC 201: Introduction to Linguistics or  
 ENG 213: Introduction to the Study of Language  3 hrs  
 Three credit hours of Humanities and Fine Arts or Social and Behavioral Sciences may be satisfied by Maricopa ENG 213 or SLC 201. SLC 201 is preferred.


**Humanities, Arts, and Design [HU]**  3 hrs


**Social-Behavioral Science [SB]**  
 Social-Behavioral Science [SB]  3 hrs  
 SLC 201 or ENG 213 may be used to satisfy 3 credits of the [SB] AGEC requirement instead of [HU].

**Social-Behavioral Science [SB]**  3 hrs

**Natural Science [SQ, SG]**  
 Natural Science [SQ, SG]  4 hrs  
 Select at least one SQ within the Natural Science requirement.

**Natural Science [SQ, SG]**  4 hrs

**General Education Awareness Areas [C, H, G]**  
 Cultural Diversity in the U.S. [C]  0-3 hrs

**Historical or Global Awareness [H] or [G]**  0 hrs  
 Global Awareness [G] satisfied by ITA 201.






## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Italian B.A. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.33 cumulative GPA required in all Sun Devil tracking courses: ITA 101/101AA, ITA 102/102AA, ITA 201, ITA 202.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ITA 101: Elementary Italian I or ITA 101AA: Elementary Italian I	4 hrs 	Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirements courses.
ITA 102: Elementary Italian II or ITA 102AA: Elementary Italian II	4 hrs 	
ITA 201: Intermediate Italian I	4 hrs 	
ITA 202: Intermediate Italian II	4 hrs 	
Lower Division Elective	0-9 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**



# Pathway Agreement

[Print](#)



**Maricopa Community College District**  
**Journalism and Mass Communication, BA Pathway**  
**2021-2022**

ASU Major: [Journalism and Mass Communication, BA | Walter Cronkite School of Journalism & Mass Comm](#)


## Pathway Requirements



**First Year Composition [FYC]**  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

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ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

**Literacy and Critical Inquiry [L]**  
 JRN 201: News Writing   3 hrs


**Mathematical Studies [MA, CS]**  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs



GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government or  
 PSY 230: Introduction to Statistics   3 hrs

SWU 225 offered only at Mesa Community College.


**Humanities, Arts, and Design [HU]**  
 PHI 101: Introduction to Philosophy or  
 PHI 102: Introduction to Philosophy or  
 PHI 103: Introduction to Logic or  
 PHI 105: Introduction to Ethics   3 hrs



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Humanities, Arts, and Design [HU]  3 hrs

**Social-Behavioral Science [SB]**  
 ECN 212: Microeconomic Principles or  
 ECN 211: Macroeconomic Principles   3 hrs


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MCO 120: Media and Society  3 hrs

**Natural Science [SQ, SG]**  
 Natural Science [SQ, SG]   4 hrs

Select at least one SQ course within the Natural Science Requirement.

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Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]



## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Journalism & Mass Communication BA degree program.

Special Requirements: Students are required to have at least a 3.0 GPA in all transferable hours of college credit earned after high school. All courses must be completed with a grade of "C" or better.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	


**MCCCD Additional Requirements**


COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

HIS 103: United States History to 1865 or HIS 108: United States History 1945 to or HIS 203: African-American History to 1865	3 hrs	
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POS 110: American National Government	3 hrs	
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PSY 101: Introduction to Psychology or SOC 101: Introduction to Sociology	3 hrs	
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Related Area Course	3 hrs	Related Course: Select a course that transfers to ASU with one of the following prefixes: ASB, ASM, ACC, COM, ECN, ENG, FAS, FIN, GCU, GPH, HST, JUS, LES, MGT, MKT, REA, REL, POS, SOC, THE, THP, WST.
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Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	
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Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60





# Pathway Agreement


Print



**Maricopa Community College District**  
**Justice Studies, BA Pathway**  
**2021-2022**




ASU Major: [Justice Studies, BA](#) | [College of Liberal Arts and Sciences](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> ENG 215: Strategies of Academic Writing or ENG 216: PERSUASIVE WRITING ON PUBLIC or ENG 217: PERSONAL & EXPLORATORY WRITING	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
Lower Division Computer/Statistics/Quantitative Applications [CS]	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	  3 hrs	Recommend PHI 101 or PHI 105.
Humanities, Arts, and Design [HU]	 3 hrs	Recommend AJS 123.

<b>Social-Behavioral Science [SB]</b> AJS 101: Introduction To Criminal Justice or AJS 200: CURRENT ISSUES IN CRIMINAL JUSTICE	 3 hrs	
Social-Behavioral Science [SB]	 3 hrs	Recommend a AJS course that transfers to ASU as a CRJ or JUS, SB course or PSY or SOC course that transfers to ASU as an PSY or SOC, SB course.

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	



General Education Awareness Areas [C, H, G]


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Criminal Justice and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Justice Studies BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

<b>MCCCD Additional Requirements</b> COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b> Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach fourth semester proficiency.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


Print



**Maricopa Community College District**  
**Justice Studies, BS Pathway**  
**2021-2022**




ASU Major: [Justice Studies, BS](#) | [College of Liberal Arts and Sciences](#)


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> ENG 215: Strategies of Academic Writin or ENG 216: PERSUASIVE WRITING ON PUBLIC or ENG 217: PERSONAL & EXPLORATORY WRITIN	 3 hrs	This requirement may be satisfied after transfer to ASU, but a course that satisfies the Literacy and Critical Inquiry requirement will need to be taken instead.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	  3 hrs	Recommend PHI 101 or PHI 105.
Humanities, Arts, and Design [HU]	 3 hrs	Recommend AJS 123.

<b>Social-Behavioral Science [SB]</b> AJS 200: CURRENT ISSUES IN CRIMINAL JUSTICE or AJS 101: Introduction To Criminal Just	 3 hrs
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<b>Social-Behavioral Science [SB]</b>	 3 hrs	Recommend a AJS course that transfers to ASU as a CRJ or JUS, SB course or PSY or SOC course that transfers to ASU as an PSY or SOC, SB course.
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

General Education Awareness Areas [C, H, G]

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Criminal Justice and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Justice Studies, BS degree program.


Special Requirements: 2.00 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.



Cultural Diversity in the U.S. [C] 0-3 hrs 

Historical or Global Awareness [H] or [G] 0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication 0-3 hrs 

CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective 11-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**





# Pathway Agreement


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**Maricopa Community College District**  
**Kinesiology, BS Pathway**  
**2021-2022**



ASU Major: [Kinesiology, BS | College of Health Solutions](#)



## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs


<b>Literacy and Critical Inquiry [L]</b> EXS 290: Introduction to Evidence-Based Practice	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 187: Precalculus OR	  5-9 hrs
MAT 150: College Algebra/Functions and MAT 182: Plane Trigonometry OR	
MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry OR	
MAT 152: College Algebra/Functions and MAT 182: Plane Trigonometry OR	
MAT 155: College Algebra/Functions with Review and MAT 182: Plane Trigonometry OR	
MAT 156: College Algebra/Functions with Review and MAT 182: Plane Trigonometry	

PSY 230: Introduction to Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government	  3 hrs	Each of the courses satisfy the CS requirement.
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> PSY 101: Introduction to Psychology	  3 hrs
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Social-Behavioral Science [SB]	 3 hrs	Per Maricopa degree requirements, HES 100 is recommended.
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Natural Science [SQ, SG]





## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Exercise Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Kinesiology, BS degree program.






Special Requirements: 3.0 GPA in coursework used to satisfy MAPP requirements. EXS 101 must be completed with a grade of "B" or better. All other courses must be completed with a grade of "C" or better.

BIO 202: Human Anatomy and Physiology	4 hrs	 
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs	 
CHM 150AA: General Chemistry I OR		
CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory OR		
CHM 151AA: General Chemistry I		

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements		
BIO 181: General Biology (Majors) I	4 hrs	
BIO 182: General Biology (Majors) II	4 hrs	
BIO 201: Human Anatomy and Physiology	4 hrs	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4 hrs	
CHM 152AA: General Chemistry II		
EXS 101: Introduction to Exercise Science, Kinesiology	3 hrs	
PHY 111: General Physics I	4 hrs	

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Latin American Studies, BA Pathway**  
**2021-2022**

ASU Major: [Latin American Studies, BA | New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs Global Awareness [G] requirement satisfied by SPA 201.

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Latin American Studies BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

SPA 101: Elementary Spanish I or  
 SPA 101AA: Elementary Spanish I or  
 SPA 103: Elementary Spanish for Spanish Speakers I

4 hrs  


SPA 102: Elementary Spanish II or  
 SPA 102AA: Elementary Spanish II or  
 SPA 104: Elementary Spanish for Spanish Speakers II

4 hrs  


SPA 201: Intermediate Spanish I 4 hrs

SPA 202: Intermediate Spanish II 4 hrs

Lower Division Elective 6-9 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60



# Pathway Agreement

Print

**Maricopa Community College District**  
**Liberal Studies, BA Pathway**  
**2021-2022**

ASU Major: [Liberal Studies, BA](#) | [College of Integrative Sciences and Arts](#)

## Pathway Requirements

MCCCD Additional Requirements COM 100: Introduction to Human Communication OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
Additional Lower Division Requirements Maricopa AGECEC	35 hrs 	Complete courses to complete the Maricopa Arizona General Education Curriculum (AGECEC) based on your Associate's degree. A completed AGECEC satisfies lower division general studies and first year composition.
Lower Division Elective	0-40 hrs	Lower division electives may be taken to complete associate degree requirements. Up to a maximum total number of 75 credits may be transferred to ASU for students on this pathway.

Total Required Credits: 75

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGECEC-A, AGECEC-S, or AGECEC-B) certified on their transcript and must have their Associate Degree (AA, AAEE, AAFA, ABUS-GR, ABUS-SR, or AS) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Liberal Studies, BLS degree program. The BLS program offers a breadth of learning in an online setting. Those interested in the online program for liberal studies may visit the ASU Online website for more information (<https://asuonline.asu.edu/>).

The following degrees and associated sub plans accept up to 75 credit hours of community college coursework upon successful completion of an Associate Degree from partnering community colleges: Interdisciplinary Studies, BA, Liberal Studies, BA and Organizational Leadership, BA.



# Pathway Agreement

Print

**Maricopa Community College District  
Management, BS Pathway  
2021-2022**

ASU Major: **Management, BS | W. P. Carey School of Business**

## Pathway Requirements

### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL

3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL

3 hrs



### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

3 hrs



Recommend COM 225

### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR

3-4 hrs



MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I

CIS 105: Survey of Computer Information Systems

3 hrs



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

3 hrs



Humanities, Arts, and Design

3 hrs



### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles

3 hrs



ECN 212: Microeconomic Principles

3 hrs



### Natural Science [SQ, SG]

Natural Science [SQ, SG]

4 hrs



Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]

4 hrs



### General Education Awareness Areas [C, H, G]

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs

**MCCCD Additional Requirements**

ABUS Business Electives

0-6 hrs

Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and  
ACC 230: Uses of Accounting Information and  
ACC 240: Uses of Accounting Information OR

6-9 hrs



ACC 111: Accounting Principles I and  
ACC 112: Accounting Principles II and  
ACC 212: Managerial Accounting OR

ACC 211: Financial Accounting and  
ACC 212: Managerial Accounting

COM 100: Introduction to Human Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication or  
COM 259: Communication in Business and Professions

0-3 hrs



If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].

GBS 205: Legal, Ethical, and Regulatory Issues in Business

3 hrs

GBS 221: Business Statistics

3 hrs



MAT 217: Mathematical Analysis for Business or  
MAT 218: Mathematical Analysis for Business

3-4 hrs

PSY Course (SB)

3 hrs



MGT 320 (required for this major at ASU) requires a prerequisite of PSY 101 or SOC 101.

SOC Course (SB)

3 hrs



MGT 320 (required for this major at ASU) requires a prerequisite of PSY 101 or SOC 101.

Lower Division Elective

0-6 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 62**







# Pathway Agreement


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**Maricopa Community College District**  
**Marketing, BS Pathway**  
**2021-2022**



ASU Major: **Marketing, BS | W. P. Carey School of Business**



## Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	 3 hrs	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.
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Mathematical Studies [MA, CS] MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	  3 hrs

Humanities, Arts, and Design [HU] Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles	 3 hrs
ECN 212: Microeconomic Principles	 3 hrs

Natural Science [SQ, SG] Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.






Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

<b>ABUS Business Electives</b>	<b>0-6 hrs</b>	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. If GBS 233 is selected, it may also be applied to meet Literacy and Critical Inquiry [L].
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: Communication in Business and Professions	0-3 hrs 	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: Legal, Ethical, and Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62

# Pathway Agreement

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Maricopa Community College District

Marketing (Digital and Integrated Marketing Communications), BS Pathway

2021-2022

ASU Major: Marketing (Digital and Integrated Marketing Communications), BS | W. P. Carey School of Business

## Pathway Requirements

First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR



3-4 hrs

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I

CIS 105: Survey of Computer Information  
Systems



3 hrs

Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles

3 hrs



ECN 212: Microeconomic Principles

3 hrs



Natural Science [SQ, SG]

Natural Science [SQ, SG]

4 hrs



Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]

4 hrs



General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs



MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.






Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: Communication in Business and Professions	0-3 hrs 	If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
GBS 205: Legal, Ethical, and Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
PSY Course	3 hrs 	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs 	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement



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## Maricopa Community College District Marketing (Professional Sales), BS Pathway 2021-2022





ASU Major: **Marketing (Professional Sales), BS | W. P. Carey School of Business**





### Pathway Requirements





<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 





<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 	If COM 225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS 233 is selected, it may also be applied as a Business Elective.
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	 
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CIS 105: Survey of Computer Information Systems	 

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 
Humanities, Arts, and Design	 

<b>Social-Behavioral Science [SB]</b> ECN 211: Macroeconomic Principles	 
ECN 212: Microeconomic Principles	 

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 
Historical or Global Awareness [H] or [G]	 

MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.




Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCCD Associate in Business, General Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information:

<https://transfer.asu.edu/credits>.

ABUS Business Electives	0-6 hrs	Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.
<b>Additional Lower Division Requirements</b>		
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and ACC 240: Uses of Accounting Information OR	6-9 hrs 	
ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR		
ACC 211: Financial Accounting and ACC 212: Managerial Accounting		
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-4 hrs	
GBS 205: Legal, Ethical, and Regulatory Issues in Business	3 hrs	
GBS 221: Business Statistics	3 hrs 	
COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: Communication in Business and Professions	0-3 hrs 	If COM 225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].
PSY Course	3 hrs	Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
SOC Course	3 hrs	Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on aztransfer.com and consult a community college advisor to ensure the course selected meets both requirements.
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 62





# Pathway Agreement


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**Maricopa Community College District**  
**Mass Communication and Media Studies, BA Pathway**  
**2021-2022**


ASU Major: [Mass Communication and Media Studies, BA | Walter Cronkite School of Journalism & Mass Comm](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
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Computer/Statistics/Quantitative Applications	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

<b>Social-Behavioral Science [SB]</b> MCO 120: Media and Society	3 hrs 
Social-Behavioral Science [SB]	3 hrs 

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Mass Communication and Media Studies BA degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human  
Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

13-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**



# Pathway Agreement

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## Maricopa Community College District Materials Science and Engineering, BSE Pathway 2021-2022

ASU Major: [Materials Science and Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

Engineering Core ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs	
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	  4 hrs	
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	  4-5 hrs	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	  4-5 hrs	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	 3-4 hrs	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	  4-5 hrs	This fulfills a Math/Science Elective.
CHM 150AA: General Chemistry I OR		
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 151AA: General Chemistry I		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	  4 hrs	
CHM 152AA: General Chemistry II		
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	  4-5 hrs	
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	  4-5 hrs	
Humanities, Arts, and Design and AGEC Awareness Areas	 3 hrs	Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.
Social-Behavioral Science and AGEC Awareness Areas	3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

### Pathway Notes

There are no notes for this pathway

### Special Requirements



Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Materials Science and Engineering, BSE degree program.

A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better.

Engineering Core courses should be prioritized over Additional Lower Division Requirements.

Note: Only 64 credit hours are transferable to ASU from a community college. Completion of the Engineering Core is the most efficient transfer pathway to this bachelor's degree, but does not meet all requirements for an associate degree. Students who wish to complete an associate degree prior to transferring to ASU should consult an academic advisor to discuss the additional courses required.

Additional Lower Division Requirements

ECE 215: Mechanics of Materials	3 hrs	Students should complete MAT 225, and ECE 215 before taking any other Additional Lower Division Requirements listed. Any other Additional Lower Division Requirements listed can be completed after transfer to ASU.
MAT 225: Elementary Linear Algebra	3 hrs	
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I	4 hrs 	This course fulfills an Advanced Science Elective. Students are required to take two Advanced Science Electives.  Prerequisites for MCCCDC BIO 201: A grade of C or better in (BIO 156, or BIO 156XT, or BIO 181, or BIO 181XT, or one year of high school biology) and (RDG 100, or RDG 100LL, or higher, or eligibility for CRE 101). CHM 130 or higher or one year of high school chemistry is suggested but not required.
CHM 230: Fundamental Organic Chemistry OR CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Laboratory	3-4 hrs 	This course fulfills an Advanced Science Elective. Students are required to take two Advanced Science Electives.
EEE 202: Circuits and Devices	0-5 hrs	This course fulfills a technical elective.
Humanities, Arts, and Design and AGEC Awareness Areas	0-3 hrs	
Social-Behavioral Science and AGEC Awareness Areas	0-3 hrs	
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Mathematics, BA Pathway 2021-2022

ASU Major: [Mathematics, BA | College of Liberal Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



CSC 100: Introduction to Computer Science  
(C++) or  
CSC 100AA: Introduction to Computer  
Science (C++) or  
CSC 110AA: Introduction to Computer  
Science (Java) or  
CSC 110: Introduction to Computer Science  
(Java) or  
CSC 110AB: Intro to Computer Science  
(JAVA)



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



Humanities, Arts, and Design [HU]



#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



Social-Behavioral Science [SB]



#### Natural Science [SQ, SG]

PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS or  
PHY 115: University Physics I



Natural Science [SQ, SG]



### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Mathematics degree and AGEC-A.

2.8 cumulative GPA in all Sun Devil Tracking courses: CSC 100 or 110, MAT 221, MAT 231, MAT 241, MAT 227.




General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs 	Recommend selecting a course that satisfies Cultural Diversity in the U. S. [C] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.
Historical or Global Awareness [H] or [G]	0-3 hrs 	Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs 	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 	
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-12 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 59



# Pathway Agreement



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**Maricopa Community College District**  
**Mathematics, BS Pathway**  
**2021-2022**


ASU Major: **Mathematics, BS | College of Liberal Arts and Sciences**


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs

CSC 110: Introduction to Computer Science  
 (JAVA) or  
 CSC 110AA: Introduction to Computer  
 Science (JAVA) or  
 CSC 110AB: Intro to Computer Science  
 (JAVA)  3-4 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 PHY 121: UNIVERSITY PHYSICS I:  
 MECHANICS   4 hrs

Natural Science [SQ, SG]  4 hrs PHY 131 recommended, but not required

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  
 Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.






## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Mathematics degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Mathematics BS degree program.

3.0 cumulative GPA in all Sun Devil Tracking courses: CSC 110, CSC 110AA, CSC 205, CSC 205AA, MAT 221, MAT 231, MAT 241.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

MCCCDC Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b> CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures	3-4 hrs 	
MAT 227: Discrete Mathematical Structures	3 hrs 	May be used as an additional course in the major.
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs	Can be used as an MAT or STP Additional Course.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


Print



## Maricopa Community College District Mathematics (Statistics), BS Pathway 2021-2022



ASU Major: [Mathematics \(Statistics\), BS | College of Liberal Arts and Sciences](#)



### Pathway Requirements





First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	0-3 hrs 	PHI 103 Introduction to Logic is recommended.
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Mathematical Studies [MA, CS] MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs  
CSC 110: Introduction to Computer Scie or CSC 110AA: Introduction to Computer Scie or CSC 110AB: Intro to Computer Science (JA)	3-4 hrs

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs 
Social-Behavioral Science [SB]	3 hrs 

Natural Science [SQ, SG] PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4 hrs  
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism	4 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

### Pathway Notes








Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Mathematics degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Mathematics (Statistics) BS degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 3.0 cumulative GPA in all Sun Devil Tracking courses : CSC110, CSC205, MAT221, MAT231, MAT 241.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>.

COM 100: Introduction to Human Communication OR	0-3 hrs		
COM 110: Interpersonal Communication OR			
COM 225: Public Speaking OR			
COM 230: Small Group Communication			
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
CSC 205: Object Oriented Programming a or CSC 205AA: Object Oriented Programming a or CSC 205AB: Object Oriented Programming a or CSC 205AC: Object Oriented Programming a or CSC 205AD: Object Oriented Programming a	3-4 hrs		
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	 	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	 	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	3-4 hrs		Can be used as an MAT or STP Advanced Course.
Lower Division Elective	0-13 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60



# Pathway Agreement

Print

## Maricopa Community College District Mechanical Engineering, BSE Pathway 2021-2022

ASU Major: [Mechanical Engineering, BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

First-Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs		
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs		

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	0-3 hrs			Recommend selecting a course that satisfies Literacy and Critical Inquiry, Social-Behavioral Science, Humanities, Arts, and Design, COM, or CRE 101 requirements simultaneously.
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Mathematical Studies [MA] MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs		
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Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs		Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.
Humanities, Arts, and Design [HU]	3 hrs		

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs		Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.
Social-Behavioral Science [SB]	3 hrs		

Natural Science [SQ, SG] PHY 121: University Physics I: Mechanics or PHY 115: University Physics I	4-5 hrs		
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs		

Subject Options MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs		
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs		

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Engineering degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Mechanical Engineering, BSE degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA differently than the Maricopa Community College District, thus guaranteed admission to the Mechanical Engineering, BSE degree program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A maximum of 64 credit hours will transfer to Arizona State University.






Students interested in completing the BSE Mechanical Engineering degree with two additional years at ASU, must complete MAE 241 (Intro to Thermodynamics) and MAE 384 through concurrent enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480) 965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

Cultural Diversity in the U.S. [C]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I AND  CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II	0-9 hrs  	Satisfies the CHM 114 requirement at ASU. If not completed at Maricopa, CHM 114 must be completed at ASU through concurrent enrollment or in the summer prior to admission to ASU.
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND  ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)	4 hrs  	The combination of these two courses transfers as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 105: MATLAB Programming OR  CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	1-4 hrs	
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering Laboratory	3 hrs	
EEE 202: Circuits and Devices	5 hrs	
MAT 225: Elementary Linear Algebra	3 hrs	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs 	
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 66



















# Pathway Agreement

Print

## Maricopa Community College District Mechanical Engineering (Computational Mechanics), BSE Pathway 2021-2022

ASU Major: [Mechanical Engineering \(Computational Mechanics\), BSE | Ira A. Fulton Schools of Engineering](#)

### Pathway Requirements

<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 	3 hrs	
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 	3 hrs	
<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]		0 hrs	Satisfied by PHI 103.
<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	 	4-5 hrs	
<b>Humanities, Arts, and Design [HU]</b> PHI 103: Introduction to Logic	 	3 hrs	
<b>Humanities, Arts, and Design [HU]</b>		3 hrs	
<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]		3 hrs	Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.
Social-Behavioral Science [SB]		3 hrs	
<b>Natural Science [SQ, SG]</b> PHY 121: University Physics I: Mechanics or PHY 115: University Physics I	 	4-5 hrs	
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	 	4-5 hrs	
<b>Subject Options</b> MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	 	4-5 hrs	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	 	4-5 hrs	
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]		0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]		0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Engineering degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Mechanical Engineering (Computational Mechanics), BSE degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA differently than the Maricopa Community College District, thus guaranteed admission to the Mechanical Engineering (Computational Mechanics), BSE degree program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A maximum of 64 credit hours will transfer to Arizona State University.

Students interested in completing the BSE Mechanical Engineering (Computational Mechanics) degree with two additional years at ASU, must complete MAE 241 (Intro to Thermodynamics) and MAE 384 through concurrent enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480) 965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory OR

0-9 hrs  
  


Satisfies the CHM 114 requirement at ASU. If not completed at Maricopa, CHM 114 must be completed at ASU through concurrent enrollment or in the summer prior to admission to ASU.

CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory OR

CHM 150AA: General Chemistry I or  
 CHM 151AA: General Chemistry I AND

CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II Laboratory or  
 CHM 152AA: General Chemistry II

CSC 110: Introduction to Computer Science (Java) or  
 CSC 110AA: Introduction to Computer Science (Java) or  
 CSC 110AB: Introduction to Computer Science (Java) OR

0-4 hrs

Satisfies CSE 100 or CSE 110 at ASU. May be completed after transfer.

CSC 100: Introduction to Computer Science (C++) or  
 CSC 100AA: Introduction to Computer Science (C++) or  
 CSC 100AB: Introduction to Computer Science (C++)

ECE 102: Engineering Analysis Tools and Techniques or  
 ECE 102AA: Engineering Analysis Tools and Techniques AND

4 hrs  
  


The combination of these two courses transfers as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.

ECE 103: Engineering Problem Solving and Design or  
 ECE 103AB: Engineering Problem Solving and Design or  
 ECE 103EP: Engineering Problem Solving and Design

ECE 105: MATLAB Programming 1 hrs

ECE 211: Engineering Mechanics- Statics 3 hrs


ECE 212: Engineering Mechanics-Dynamics 3 hrs

ECE 215: Mechanics of Materials 3 hrs

ECE 216: Computer-Aided Engineering and  
 ECE 216LL: Computer-Aided Engineering Laboratory 3 hrs

EEE 202: Circuits and Devices 5 hrs

MAT 225: Elementary Linear Algebra 3 hrs

MAT 277: Modern Differential Equations or  
 MAT 276: Modern Differential Equations 3-4 hrs  


ECE 104: EPICS Gold I 0-2 hrs  
 EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

**Total Required Credits: 66**





# Pathway Agreement

Print

## Maricopa Community College District Mechanical Engineering (Energy and Environment), BSE Pathway 2021-2022


ASU Major: [Mechanical Engineering \(Energy and Environment\), BSE | Ira A. Fulton Schools of Engineering](#)


### Pathway Requirements





First-Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 





Literacy and Critical Inquiry [L] Literacy and Critical Inquiry	0-3 hrs	Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities, Arts, and Design, COM, or CRE 101 requirements simultaneously.
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Mathematical Studies [MA] MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs	 
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Humanities, Arts, and Design [HU] SSH 111: Sustainable Cities	3 hrs	 SSH 111 satisfies [HU] or [SB], but cannot be used to satisfy both.
Humanities, Arts, and Design [HU]	3 hrs	Recommend taking one course that satisfies Social-Behavioral Science AND Cultural Diversity [C] requirement(s).

Social-Behavioral Science [SB] Social-Behavioral Science [SB]	3 hrs	 Recommend taking one course that satisfies Social-Behavioral Science AND Cultural Diversity [C] requirement(s).
Social-Behavioral Science [SB]	3 hrs	

Natural Science [SQ, SG] PHY 121: University Physics I: Mechanics or PHY 115: University Physics I	4-5 hrs	 
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs	 

Subject Options MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	 
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	 

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Science, Emphasis in Engineering degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Mechanical Engineering (Energy and Environment), BSE degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA differently than the Maricopa Community College District, thus guaranteed admission to the Mechanical Engineering (Energy and Environment), BSE degree program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A maximum of 64 credit hours will transfer to Arizona State University.





Students interested in completing the BSE Mechanical Engineering (Energy and Environment) degree with two additional years at ASU, must complete MAE 241 (Intro to Thermodynamics) and MAE 384 through concurrent enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480) 965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.

Cultural Diversity in the U.S. [C]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs	Awareness Area courses may concurrently satisfy HU or SB requirements.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: PUBLIC SPEAKING or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	0-9 hrs  	Satisfies the CHM 114 requirement at ASU. If not completed at Maricopa, CHM 114 must be completed at ASU through concurrent enrollment or in the summer prior to admission to ASU.
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR		
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I AND		
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II		
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs 	The combination of these two courses transfers as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)		
ECE 211: Engineering Mechanics-Statics	3 hrs	
ECE 212: Engineering Mechanics-Dynamics	3 hrs	
ECE 215: Mechanics of Materials	3 hrs	
ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering Laboratory	3 hrs	
ECE 105: MATLAB Programming OR	1-4 hrs	
CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)		
EEE 202: Circuits and Devices	5 hrs	
MAT 225: Elementary Linear Algebra	3 hrs	
MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations	3-4 hrs 	
ECE 104: EPICS Gold I	0-2 hrs	EPICS is Engineering Projects in Community Service. Students who complete ECE104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS

Total Required Credits: 66

# Pathway Agreement



Print


**Maricopa Community College District**  
**Medical Studies, BS Pathway**  
**2021-2022**

ASU Major: [Medical Studies, BS | College of Health Solutions](#)

## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR   5-9 hrs


MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR


MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry OR


MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR

MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR



MAT 187: Precalculus

Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs PHI 101 is strongly recommended for fulfilling  
 this requirement.

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

SOC 101: Introduction to Sociology or  
 CFS 205: Human Development or  
 ECN 211: Macroeconomic Principles or  
 COM 100: Introduction to Human Communication   3 hrs The course chosen among these is dependent  
 upon the student's choice of post-baccalaureate  
 professional school. Please review the ASU  
 major map to determine which course to take.

Natural Science [SQ, SG]  
 BIO 181: General Biology (Majors) I   4 hrs

BIO 182: General Biology (Majors) II   4 hrs

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Medical Studies BS degree program. Students who are interested in pre-physical therapy should sign up for the Kinesiology MAPP instead.

While the Medical Studies BS MAPP is listed here as an Associate in Arts/AGEC-A, students have the option to pursue an Associate in Science/AGEC-S. Consult an academic advisor to discuss which associate's degree requirements align best with your educational and career goals. Students pursuing an Associate in Science (AS) degree must complete all AS requirements (refer to Maricopa Community Colleges AS checksheet), including MAT220 or MAT221 and Subject Options, and are not required to take Computer/Statistics/Quantitative Applications (CS).

Students will take CHS 300 upon transfer to ASU.

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs	Met by HES 210
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR CHM 150AA: General Chemistry I OR CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR CHM 151AA: General Chemistry I	4-5 hrs	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR CHM 152AA: General Chemistry II	4 hrs	
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L	4 hrs	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry II	4 hrs	
HES 210: Cultural Aspects of Health and Illness or IFS 215: Cultural Context of Health Information	3 hrs	
Professional Track courses	8-9 hrs	Choose from the tracks listed below. BIO 201 and BIO 202 are required for the major but may be taken prior to transfer to the university.

Total Required Credits: 64

Track/Groups

Professional Track courses

Professional Track Courses		
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR	Occupational Therapy Professional Track. If choosing PHY courses, select PHY 101/101AA OR PHY 111/111AA, not both.	Professional Track
BIO 202: Human Anatomy and Physiology II OR		
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics OR	Courses	
PHY 111: General Physics I or PHY 111AA: General Physics I		
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR	Pharmacy Professional Track	Professional Track
BIO 202: Human Anatomy and Physiology II OR	Courses	
BIO 205: Microbiology OR		
PHY 111: General Physics I or PHY 111AA: General Physics I	Professional Track Courses	
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR	Medicine (MD/DO) Professional Track	



Professional  
Track Courses

BIO 202: Human Anatomy and Physiology II OR

BIO 205: Microbiology OR

PHY 111: General Physics I or  
PHY 111AA: General Physics I OR

PHY 112: General Physics II

BIO 201: Human Anatomy and Physiology I or  
BIO 201XT: Human Anatomy and Physiology I OR

Optometry Professional Track

BIO 202: Human Anatomy and Physiology II OR

BIO 205: Microbiology OR

PHY 111: General Physics I or  
PHY 111AA: General Physics I OR

PHY 112: General Physics II

BIO 201: Human Anatomy and Physiology I or  
BIO 201XT: Human Anatomy and Physiology I OR

Dentistry Professional Track

BIO 202: Human Anatomy and Physiology II OR

BIO 205: Microbiology OR

PHY 111: General Physics I or  
PHY 111AA: General Physics I OR

PHY 112: General Physics II

# Pathway Agreement

[Print](#)

**Maricopa Community College District**  
**Microbiology, BS Pathway**  
**2021-2022**

ASU Major: [Microbiology, BS](#) | [College of Liberal Arts and Sciences](#)

## Pathway Requirements

### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 182XT: General Biology (Majors) I



4 hrs

BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II



4 hrs





Subject Options



## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements






The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Microbiology BS degree program.

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	4-5 hrs  
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements COM 100: Introduction to Human Communication OR  COM 110: Interpersonal Communication OR  COM 225: Public Speaking OR  COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements BIO 220: Biology of Microorganisms	0-4 hrs 	Students may complete this course in their first semester at ASU, but are strongly encouraged to complete it prior to transferring.
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR  CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L AND  CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA	4-8 hrs 	Pre-health students should take the two-semester sequence (CHM 235/235LL and CHM 236/236LL) instead of CHM 230/230LL, prior to transferring to ASU. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
MAT 206: Elements of Statistics OR SWU 225: Statistics for Social Research/Justice and Government OR  PSY 230: Introduction to Statistics	3 hrs  	Although not directly equivalent, these courses are accepted to satisfy the STP 231 requirement at ASU. Some Maricopa colleges require PSY 231 lab with PSY 230. If taken, the one-credit lab can be applied to lower division electives.
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics OR  PHY 111: General Physics I and PHY 112: General Physics II	4-8 hrs 	Students considering graduate school or health professions should complete PHY 111 and PHY 112. All other students will complete PHY 101 or 101AA. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
Lower Division Elective	0-15 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 64

# Pathway Agreement

Print

**Maricopa Community College District**  
**Microbiology (Medical Microbiology), BS Pathway**  
**2021-2022**

ASU Major: [Microbiology \(Medical Microbiology\), BS](#) | College of Liberal Arts and Sciences

## Pathway Requirements

### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

0-3 hrs



Recommend selecting a course that satisfies  
Literacy and Critical Inquiry, Social-Behavioral  
Sciences, Humanities and Fine Arts, COM, or  
CRE 101 requirements simultaneously.

### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

3 hrs



Social-Behavioral Science [SB]

3 hrs



### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I or  
BIO 181XT: General Biology (Majors) I



4 hrs

BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II



4 hrs





Subject Options



## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.




## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Microbiology (Medical Microbiology) BS degree program.

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	4-5 hrs  
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II	4-5 hrs  

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements		
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	COM 225 may be shared with [L]. COM 100, COM 110 or COM 230 may be shared with [SB].
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements		
BIO 220: Biology of Microorganisms	0-4 hrs 	Students may complete this course in their first semester at ASU, but are strongly encouraged to complete it prior to transferring.
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Lab OR  CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory AND  CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory	4-8 hrs 	Pre-health students should take the two-semester sequence of organic chemistry (CHM 235/235LL and CHM 236/236LL) instead of CHM 230/230LL, prior to transferring to ASU. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
MAT 206: Elements of Statistics OR SWU 225: Statistics for Social Research/Justice and Government OR PSY 230: Introduction to Statistics	3 hrs 	Although not directly equivalent, these courses are accepted to meet STP 231 at ASU. Some Maricopa colleges require PSY 231 lab with PSY 230. If taken, the one-credit lab can be applied to lower division electives.
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics OR  PHY 111: General Physics I and PHY 112: General Physics II	4-8 hrs	Pre-health students should take the two-semester sequence (PHY 111 and PHY 112) instead of PHY 101. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
Lower Division Elective	0-11 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


Print

## Maricopa Community College District Molecular Biosciences and Biotechnology, BS Pathway 2021-2022



ASU Major: [Molecular Biosciences and Biotechnology, BS](#) | College of Liberal Arts and Sciences



### Pathway Requirements





<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies (L and C) or (L and G) or (L and H) or (L and COM) or (L and CRE 101) requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	  4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I	  4 hrs
BIO 182: General Biology (Majors) II	  4 hrs





Subject Options



### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements






The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Biological Sciences degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Molecular Biosciences and Biotechnology BS degree program.

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs  
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR	4-5 hrs  
CHM 152AA: General Chemistry II OR	
CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Laboratory	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements BIO 220: Biology of Microorganisms	0-4 hrs 	Students may complete this course in their first semester at ASU, but are strongly encouraged to complete it prior to transferring.
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR	4-8 hrs 	Pre-health students should take CHM 235/235LL and CHM 236/236LL instead of CHM 230/230LL. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L AND		
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry II		
PHY 101: Introduction to Physics OR	4-8 hrs 	Pre-health students should take PHY 111 and PHY 112. See pre-health website for more information: <a href="https://prehealth.asu.edu/future-students/curriculum">https://prehealth.asu.edu/future-students/curriculum</a>
PHY 111: General Physics I and PHY 112: General Physics II		
MAT 206: Elements of Statistics OR	3 hrs  	Although not directly equivalent, these courses are accepted to satisfy the STP 231 requirement at ASU. Some Maricopa colleges require PSY 231 lab with PSY 230. If taken, the one-credit lab can be applied to lower division electives.
SWU 225: Statistics for Social Research/Justice and Government OR		
PSY 230: Introduction to Statistics		
Lower Division Elective	0-11 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print



**Maricopa Community College District**  
**Music, BA Pathway**  
**2021-2022**

ASU Major: **Music, BA | Herberger Institute for Design and the Arts**

## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


MTC 180: COMPUTER LITERACY for  
 MUSICIANS  3 hrs


### Humanities, Arts, and Design [HU]

MHL 194: Music and Culture  3 hrs MHL 194 also fulfills Global [G] awareness area.  
 Can be taken after transfer to ASU.


Humanities, Arts, and Design [HU]  3 hrs

### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs It is recommended to select a course which  
 satisfies [SB] and awareness area [C or H]  
 requirements simultaneously.


Social-Behavioral Science [SB]  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
 Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs [C] may be completed simultaneously with any  
 outstanding AGEC requirements.

Historical or Global Awareness [H] or [G]  0 hrs [G] satisfied by MHL 194.

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

- The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Fine Arts, Emphasis in Music degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU for the Bachelor of Arts (BA) in Music degree. Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to [toasu.edu/admissions](https://toasu.edu/admissions) for application and audition deadlines. A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college).

## Additional Music Degrees at ASU:

### Bachelor of Music in Performance

- Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to [toasu.edu/admissions](https://toasu.edu/admissions) for application and audition deadlines.

- Students wishing to pursue a Bachelor of Music (BM) in Performance (Orchestral Instrument, Voice, Keyboard, Music Theatre, Jazz, Guitar, Collaborative piano); Music Education, Music Therapy (Orchestral Instrument, Voice, Keyboard, Guitar); Music Composition (Orchestral Instrument, Voice, Keyboard, Guitar) should meet with a Herberger Institute enrollment representative to discuss audition preparation by their second term of study at the community college.



- The Bachelor of Music (BM) degree requires successful completion of an audition (live or recording) demonstrating a high level of musicianship. Depending on studio placement after the audition, newly admitted transfer students may require more than 2 years of study at ASU.

- Class Piano:** Each music degree requires completion of class piano courses or equivalent proficiency demonstrated through a Piano Diagnostic Exam. Students who have completed MUP 131 at Maricopa Community Colleges will automatically receive equivalent course credit at ASU. Transfer students are encouraged to take the Piano Diagnostic Exam when they are in their last semester of class



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Met by COM 225
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

MTC 105: Music Theory I and MTC 106: Aural Perception I	4 hrs	
MTC 155: Music Theory II and MTC 156: Aural Perception II	4 hrs	
MTC 205: Music Theory III and MTC 206: Aural Perception III	4 hrs 	
MTC 255: Music Theory IV and MTC 256: Aural Perception IV	4 hrs 	
MUP 102: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 152: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 202: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 252: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
Second Language Requirement satisfied through the following: Completion of language course at the intermediate level (course must transfer to ASU at the 202 level or above). American Sign Language does not fulfill the degree requirements.	0-16 hrs	Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	0-5 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 64

piano at the community college or other institution, or immediately upon transfer to ASU. Students can take a Piano Diagnostic Exam to test out of any of the Class Piano Requirement for their degree. Please refer to [music.asu.edu/resources/new-students/diagnos](https://music.asu.edu/resources/new-students/diagnos) for the *Piano Diagnostic Exam* requirements for each of the four semesters. The Piano Diagnostic Exam may be taken in-person or submitted by video.

**• Private Lessons/Studio Instruction:**  
Private lessons from prior institutions do not transfer automatically. Transfer students placed in MUP 111/127 will receive credit for three semesters of MUP 111 from a community college or other institution after they successfully complete their end-of-semester juries to advance to MUP 311/327 at ASU. Transfer students who place in MUP 311/327 upon auditioning to ASU will receive credit for four semesters of MUP 111 from a community college or other institution.

**• Large Performance Ensemble:**  
Ensemble credits from prior institutions do not transfer automatically. Transfer students placed in MUP 111/127 will receive credits for three semesters of MUP 111 from a community college or other institution when they successfully complete their end-of-semester juries to advance to MUP 311/327 at ASU. Transfer students who place in MUP 311/327 upon auditioning to ASU will receive credit for four semesters of MUP 111 from a community college or other institution.

**• Diction for Singers (Italian, German, French) – Diction courses are required for BM in Performance (Voice). All courses must be completed with a "C" or better.**

**• MHL 241 and MHL 242:** Transferring students who have completed MHL 241 and/or 242 are not required to take MHL 341 and/or 342 at ASU. Students who take these courses may elect alternate upper division MHL courses at ASU.

**Bachelor of Music in Music Education**

• Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to [asu.edu/admissions](https://asu.edu/admissions) for application and audition deadlines.

• Recommended course options - A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college).

•EDU 222-Intro to the Exceptional Child

•GCU 113-United States and Arizona Social Studies

•MTC 180-Computer Literacy for Musicians

**Bachelor of Music in Music Therapy**

• Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to [asu.edu/admissions](https://asu.edu/admissions) for application and audition deadlines.

• Recommended course options - A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college).

•BIO 160- Intro to Human Anatomy and Physiology

•CFS 205-Human Development

•EDU 222-Intro to the Exceptional Child

•PSY 101-Intro to Psychology

•SOC 101-Intro to Sociology

•PSY 230 or MAT 206 or SWU 225-Intro to Stats or Elements of Stats or Stats for Social Research/Justice & Government





# Pathway Agreement


[Print](#)


**Maricopa Community College District**  
**Nonprofit Leadership and Management, BS Pathway**  
**2021-2022**


ASU Major: [Nonprofit Leadership and Management, BS | College of Public Service and Community Solutions](#)


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  


<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications (CS)</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
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Humanities, Arts, and Design [HU]	3 hrs 
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<b>Social-Behavioral Science [SB]</b> AJS 101: Introduction To Criminal Justice	3 hrs 	AJS 101 satisfies one of the two courses for the Public Programs Interdisciplinary requirement.
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SOC 101: Introduction to Sociology	3 hrs  
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
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Historical or Global Awareness [H] or [G]	0-3 hrs 
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Nonprofit Leadership and Management BS degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	Met by COM 225
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

COM 259: COMMUNICATION IN BUSINESS & PROFESSIONS and COM 263: ELEMENTS OF INTERCULTURAL COMM	6 hrs	
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: PROGRAMMING OF RECREATION SERVICES	3 hrs	
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	3 hrs	SWU 171 satisfies one of the two courses for the Public Programs Interdisciplinary requirement.
Lower Division Elective	0-10 hrs	Lower Division Electives may include REC 250 and REC 120 if desired.

**Total Required Credits: 60**

# Pathway Agreement


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**Maricopa Community College District**  
**Nursing, BSN Pathway**  
**2021-2022**

ASU Major: **Nursing, BSN | College of Nursing and Health Innovation**


## Pathway Requirements

### First Year Composition

ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs


### Mathematical Studies

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review or  
 MAT 146: College Mathematics with Review or  
 Higher level course that meets MA requirement  3-6 hrs May be satisfied by any course that transfers to ASU with a MA designation as shown in the Course Equivalency Guide.


### Humanities, Arts, and Design


Humanities, Arts, and Design 3 hrs

### Social-Behavioral Science

PSY 101: Introduction to Psychology  3 hrs

### Natural Science

BIO 202: Human Anatomy and Physiology II  4 hrs

CHM 130: Fundamental Chemistry and  
 CHM 130LL: Fundamental Chemistry  
 Laborat OR  4 hrs

CHM 130AA: Fundamental Chemistry with  
 Lab


### AGEC Awareness Areas


Cultural Diversity in the US, Historical or Global 0 hrs ASU requires all three awareness areas (C, G, and H) for graduation. Student may select an HU General Education course that concurrently satisfies C, G, and/or H. Awareness areas may be completed at the community college or after transferring to ASU.

### MCCCD Additional Requirements

CRE 101: College Critical Reading 0-3 hrs CRE 101 or equivalent.

### Additional Lower Division Requirements

BIO 181: General Biology (Majors) I or  
 BIO 181XT: General Bio (Majors) I  0-4 hrs

BIO 201: Human Anatomy and Physiology I  4 hrs

## Pathway Notes

There are no notes for this pathway

## Special Requirements



Completion of the Maricopa-ASU RN-BSN or Concurrent Enrollment (CEP) Pathway Programs and the special requirements satisfies the requirements for MCCC Associate of Applied Science degree, satisfies lower division RN-BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN-BSN program.

Special Requirements: A grade of "C" or better in each course and a minimum 2.50 cumulative GPA in the following courses is required for guaranteed admission: ENG 101, ENG 102, (or ENG 107, ENG 108) BIO 201, BIO 202, BIO 205, CHM 130 with lab, and PSY 101. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.50 cumulative GPA computation. All remaining courses must be completed with a grade of "C" or better.

Students in the RN-BSN option must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR).

All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.

ASU will accept up to 75 transfer credit hours from an Arizona community college for the BSN. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

BIO 205: Microbiology	4 hrs	
NUR 152: Nursing Theory and Science I	9 hrs	
NUR 172: Nursing Theory and Science II	9 hrs	
NUR 252: Nursing Theory and Science III	9 hrs	
NUR 283: Nursing Theory and Science IV	9 hrs	
PSY 230: Introduction to Statistics OR	3 hrs	
MAT 206: Elements of Statistics OR		
GBS 221: Business Statistics		

Total Required Credits: 70

# Pathway Agreement



Print



**Maricopa Community College District**  
**Nutritional Science, BS Pathway**  
**2021-2022**

ASU Major: [Nutritional Science, BS | College of Health Solutions](#)


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs



### Literacy and Critical Inquiry [L]

EXS 290: Introduction to Evidence-Based  
 Practice  3 hrs

### Mathematical Studies [MA, CS]


MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with Review or  
 MAT 156: College Algebra/Functions with Review   3-6 hrs

Please note that ASU requires College Algebra (MAT 150 or 151 or 152 or 155 or 156) or higher [MA] course regardless of the math course(s) taken for the AA, Emphasis in Nutritional Science degree.

GBS 221: Business Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government   3 hrs



Select MAT 206 if earning the AA, Emphasis in Nutritional Science degree.



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs

### Social-Behavioral Science [SB]



PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]   3 hrs

### Natural Science [SQ, SG]

CHM 130: Fundamental Chemistry and  
 CHM 130LL: Fundamental Chemistry  
 Laboratory or  
 CHM 130AA: Fundamental Chemistry with  
 Lab OR   4-5 hrs

CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory  
 or  
 CHM 150AA: General Chemistry I or  
 CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory  
 or  
 CHM 151AA: General Chemistry I

BIO 205: Microbiology   4 hrs



## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Nutritional Science and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Nutritional Sciences, BS degree program.

General Education Awareness Areas [C, H, G]


Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	


MCCCD Additional Requirements


COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements

BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I	4 hrs	
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BIO 202: Human Anatomy and Physiology II	4 hrs	
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CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry Laboratory	4 hrs	
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FON 100: Introductory Nutrition	3 hrs	Required for the AA, Emphasis in Nutritional Science degree.
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FON 142AB: Science of Food	3 hrs	
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FON 241: Principles of Human Nutrition OR	3-4 hrs	
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FON 241: Principles of Human Nutrition and FON 241LL: Principles of Human Nutrition Laboratory		
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Lower Division Elective	0-4 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60





# Pathway Agreement

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## Maricopa Community College District Organizational Leadership, BA Pathway 2021-2022

ASU Major: [Organizational Leadership, BA | College of Integrative Sciences and Arts](#)

### Pathway Requirements

MCCCD Additional Requirements		
COM 100: Introduction to Human Communication OR		 May be shared with AGECE requirements: See <a href="http://aztransfer.com">aztransfer.com</a> CEG for current AGECE values on these courses.
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading		0-3 hrs Complete CRE 101 or equivalent. CRE 101 may be used to meet Literacy and Critical Inquiry [L].
Additional Lower Division Requirements		
Maricopa AGECE - A, B, or S		 35 hrs Complete courses to complete the Maricopa Arizona General Education Curriculum (AGECE) - A, B, or S based on your Associate's degree. A completed AGECE satisfies ASU's lower division general studies and first year composition.
MGT 229: Management and Leadership I	3 hrs	
MGT 230: Management and Leadership II		0-3 hrs Can be taken after transfer but strongly recommended to complete before transfer.
Lower Division Elective		28-37 hrs Lower division electives may be taken to complete associate degree requirements. Up to a maximum total number of 75 credits may be transferred to ASU for students on this pathway.

Total Required Credits: 75

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGECE-A, AGECE-S, or AGECE-B) certified on their transcript and must have their Associate Degree (AA, AAEE, AAFA, ABUS-GR, ABUS-SR, or AS) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.

Special requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

The following degrees and associated sub plans accept up to 75 credit hours of community college coursework upon successful completion of an Associate Degree from partnering community colleges: Interdisciplinary Studies, BA, Liberal Studies, BA and Organizational Leadership, BA.





# Pathway Agreement


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**Maricopa Community College District**  
**Parks and Recreation Management, BS Pathway**  
**2021-2022**



ASU Major: [Parks and Recreation Management, BS | College of Public Service and Community Solutions](#)


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
Lower Division Computer/Statistics/Quantitative Applications	 3 hrs


<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> REC 120: Leisure and the Quality of Life	 3 hrs
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<b>Social-Behavioral Science [SB]</b>	 3 hrs	The following courses from the Interdisciplinary Requirement Areas would all fulfill three credits of the Social & Behavioral Sciences AGEC requirement: AJS 101, AJS 225, AJS 270, PAD 200, and SWU 171.
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
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Historical or Global Awareness [H] or [G]	 0-3 hrs	SWU 171 from the Interdisciplinary Requirement Areas would fulfill the Historical Awareness requirement
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Parks and Recreation Management BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	MCCCD COM Requirement: Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

EXS 150: Introduction to Sports Management	3 hrs	EXS 150: ASU Parks & Recreation Management BS requires 7 courses to fulfill the PRM Related Area requirement for graduation. The remaining 6 courses will be completed after transfer to ASU.
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: PROGRAMMING OF RECREATION SERVICES	3 hrs	Fulfills ASU's PRM 203 requirement.
Interdisciplinary Requirement	3-6 hrs	Select at least two courses from two different Interdisciplinary Requirement Area tracks.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**Interdisciplinary Requirement**

Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just OR	Interdisciplinary Requirement Area #1
AJS 212: Juvenile Justice Procedures OR	<b>Interdisciplinary Requirement</b>
AJS 225: Criminology OR	
AJS 109: Substantive Criminal Law OR	<b>Interdisciplinary Requirement</b>
AJS 270: Community Relations	
PAD 100: 21st Century Public Policy and Service OR	Interdisciplinary Requirement Area #2
PAD 200: Public Affairs Economics	
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	Interdisciplinary Requirement Area #3

# Pathway Agreement

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## Maricopa Community College District



### Parks and Recreation Management (Therapeutic Recreation), BS Pathway



2021-2022

ASU Major: [Parks and Recreation Management \(Therapeutic Recreation\), BS](#) | College of Public Service and Community Solutions


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


##### Humanities, Arts, and Design [HU]

SWU 183: Introductory Ethics: A Social  
Service Perspective  3 hrs


Humanities, Arts, and Design [HU]  3 hrs



##### Social-Behavioral Science [SB]

CFS 205: Human Development  3 hrs


REC 120: Leisure and the Quality of Life  3 hrs


##### Natural Science [SQ, SG]

BIO 160: Introduction to Human Anatomy  
and Physiology  4 hrs

BIO 201: Human Anatomy and Physiology   4 hrs

##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Parks and Recreation Management (Therapeutic Recreation) BS degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Just	3 hrs	
BIO 202: Human Anatomy and Physiology II or Lower Division Elective	4 hrs 	BIO 202 is recommended for students seeking graduate education in health professions.
EXS 101: Introduction to Exercise Science	3 hrs	
PSY 101: Introduction to Psychology	3 hrs 	
REC 210: Leisure Delivery Systems	3 hrs	
REC 230: Programming of Recreation Services	3 hrs	
Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement

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## Maricopa Community College District Performance and Movement, BA Pathway 2021-2022

ASU Major: [Performance and Movement, BA | Herberger Institute for Design and the Arts](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

THE 220: Modern Drama



3 hrs

THE 220 can count as [L] or [HU], but not both.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement



3-6 hrs

Computer/Statistics/Quantitative Applications  
[CS]



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

It is recommended to select a course which  
satisfies [HU] and awareness area [C, H, or G]  
requirements simultaneously.

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

It is recommended to select a course which  
satisfies [SB] and awareness area [C, H, or G]  
requirements simultaneously.

Social-Behavioral Science [SB]



3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

Select at least one SQ within the Natural  
Science requirement

Natural Science [SQ, SG]



4 hrs

BIO 160 OR BIO 201 is required for the AAFA,  
Emphasis in Dance

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

Historical or Global Awareness [H] or [G]



0-3 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU.

Prospective transfer students for the BA in Performance and Movement (Dance and Theatre) program need to complete 8 credits from selected dance courses from MCCC to fulfill lower division Physical Practices requirement.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

THP 112: Acting I 3 hrs

THP 217: Intro to Design Scenography 3 hrs

THP 214: Directing Techniques or  
THE 118: Playwriting 3 hrs

Performance and Movement (Dance and Theatre) Lower Division Dance Elective 0-8 hrs Choose 8 credits of dance courses to fulfill specific lower division Physical Practices requirements at ASU from the course list below.

Lower Division Elective 0-16 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

**Track/Groups**

Performance and Movement (Dance and Theatre) Lower Division Dance Elective

**Performance and Movement (Dance and Theatre) Lower Division Dance Elective**

- DAN 101AA: Social Dance: Ballroom or
- DAN 101AB: Social Dance: Swing or
- DAN 101AC: Social Dance: Latin or
- DAN 102AA: Hip Hop I or
- DAN 102AB: Hip Hop II or
- DAN 104AA: Ballroom I or
- DAN 104AB: Ballroom II or
- DAN 129: Musical Theatre Dance I or
- DAN 130: Musical Theatre Dance II or
- DAN 131: Ballet I or
- DAN 132: Modern Dance I or
- DAN 134: Ballet II or
- DAN 135: Modern Dance II or
- DAN 202AA: Hip Hop III or
- DAN 202AB: Hip Hop IV or
- DAN 231: Ballet III or
- DAN 231AA: Ballet III: Intensive or
- DAN 231PA: Ballet Intermediate Level or
- DAN 232: Modern Dance III or
- DAN 232AA: Modern Dance III: Intensive or
- DAN 232PA: Modern Dance Intermediate Level or
- DAN 234: Ballet IV or
- DAN 234AA: Ballet IV: Intensive or
- DAN 235: Modern Dance IV or
- DAN 235AA: Modern Dance IV: Intensive



















# Pathway Agreement

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## Maricopa Community College District Pharmacology and Toxicology, BS Pathway 2021-2022

ASU Major: [Pharmacology and Toxicology, BS | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs
<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus	 3-4 hrs
GBS 221: Business Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government	  3 hrs
<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs
<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs
<b>Natural Science [SQ, SG]</b> BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	  4-5 hrs
BIO 182: General Biology (Majors) II	  4 hrs
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Pharmacology and Toxicology, B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I	4 hrs 	
BIO 202: Human Anatomy and Physiology II	0-4 hrs 	Students may fulfill this requirement after transfer to ASU.
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 150AA: General Chemistry I OR  CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR  CHM 151AA: General Chemistry I	4-5 hrs 	
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR  CHM 152AA: General Chemistry II OR  CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Lab	4-5 hrs 	
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Lab	4 hrs 	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory	4 hrs 	
PHY 111: General Physics I or PHY 111AA: General Physics I	4-5 hrs 	
PHY 112: General Physics II	0-4 hrs 	Students may fulfill this requirement after transfer to ASU.
Lower Division Elective	0-1 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Philosophy, BA Pathway**  
**2021-2022**


ASU Major: [Philosophy, BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 PHI 103: Introduction to Logic   3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs

Computer/Statistics/Quantitative Applications  3 hrs


Humanities, Arts, and Design [HU]  
 PHI 101: Introduction to Philosophy   3 hrs


PHI 105: Introduction to Ethics or  
 PHI 213: Medical and Bio-Ethics OR   3 hrs

PHI 104: World Philosophy or  
 PHI 216: Environmental Ethics or  
 PHI 218: Philosophy of Sexuality or  
 PHI 224: Political Philosophy or  
 PHI 244: Philosophy of Religion

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs



General Education Awareness Areas [C, H, G]


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Emphasis in Philosophy degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Philosophy, BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b>		
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach fourth semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



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**Maricopa Community College District**  
**Philosophy (Morality, Politics and Law), BA Pathway**  
**2021-2022**


ASU Major: [Philosophy \(Morality, Politics and Law\), BA](#) | [The College of Liberal Arts and Sciences](#)


## Pathway Requirements



First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]   3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  3 hrs

Humanities, Arts, and Design [HU]  
 PHI 101: Introduction to Philosophy or  
 PHI 102: Introduction to Philosophy OR   3 hrs  
 PHI 103: Introduction to Logic OR  
 PHI 105: Introduction to Ethics

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs



General Education Awareness Areas [C, H, G]

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Philosophy degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Philosophy (Morality, Politics and Law) BA degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Second Language: Select 101, 102, 201, 202 as needed to reach fourth semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**





# Pathway Agreement


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**Maricopa Community College District**  
**Philosophy, Religion and Society, BA Pathway**  
**2021-2022**


ASU Major: [Philosophy, Religion and Society, BA | New College of Interdisciplinary Arts and Sciences](#)




## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or higher level course that meets MA requirement	3-6 hrs 
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Computer/Statistics/Quantitative Applications	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> PHI 101: Introduction to Philosophy	3 hrs  
REL 100: World Religions	3 hrs 

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 
Social-Behavioral Science [SB]	3 hrs 

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 	
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by REL 100.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Philosophy degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Philosophy, Religion and Society, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PHI 103: Introduction to Logic or  
PHI 105: Introduction to Ethics

3 hrs  


PHI 103 may be used to fulfill [L] requirement.

**Related Area Courses**

6 hrs

Select two (2) courses for a total of six (6) credits that transfer to ASU as direct equivalents or departmental elective credit (DEC) in the following ASU prefixes: ENG, ETH, HST, IAP, IAS, PHI, REL, SPA, or WST.

**Lower Division Elective**

0-16 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional six (6) credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement

Print

**Maricopa Community College District**  
**Physics, BA Pathway**  
**2021-2022**

ASU Major: [Physics, BA](#) | College of Liberal Arts and Sciences

## Pathway Requirements

<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies (L and SB) or (L and HU), or (L and COM), or (L and CRE101) requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 	Recommend selecting a course that satisfies Humanities, Arts and Design [HU] and Cultural Diversity in the U.S. [C] requirements simultaneously.
Humanities, Arts, and Design [HU]	3 hrs 	Recommend selecting a course that satisfies Humanities, Arts and Design [HU] and Historical Awareness [H] requirements simultaneously.

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs
Social-Behavioral Science [SB]	3 hrs

<b>Natural Science [SQ, SG]</b> PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs

<b>Subject Options</b> MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs

General Education Awareness Areas [C, H, G]



## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Physics degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Physics, BA degree program.




Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs 
COM 110: Interpersonal Communication OR	
COM 225: Public Speaking OR	
COM 230: Small Group Communication	
CRE 101: College Critical Reading	0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	4-5 hrs 
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I	
PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	0-4 hrs If taking PHY 241 at the community college, MAT 276 or 277: Modern Differential Equations AND MAT 225: Elementary Linear Algebra should also be taken. Students who do not take differential equations and linear algebra will need to take PHY 201 at ASU before continuing on.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs Second Language: Select 101, 102, 201, 202 as needed to reach fourth semester proficiency.
Lower Division Elective	0-18 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. Per Maricopa, to complete the AS Physics degree requirements, students must take MAT 225 and either (MAT 276 or MAT 277).

Total Required Credits: 60

# Pathway Agreement

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**Maricopa Community College District**  
**Physics, BS Pathway**  
**2021-2022**

ASU Major: [Physics, BS](#) | College of Liberal Arts and Sciences

## Pathway Requirements

<b>First-Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	0-3 hrs 	Recommend selecting a course that satisfies (L and SB) or (L and HU), or (L and COM), or (L and CRE101) requirements simultaneously.
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<b>Mathematical Studies [MA]</b> MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	4-5 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 	Recommend selecting a course that satisfies Humanities, Arts and Design [HU] and Cultural Diversity in the U.S. [C] requirements simultaneously.
Humanities, Arts, and Design [HU]	3 hrs 	Recommend selecting a course that satisfies Humanities, Arts and Design [HU] and Historical Awareness [H] requirements simultaneously.

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 	Recommend selecting a course that satisfies Social-Behavioral Sciences [SB] and Global Awareness [G] requirements simultaneously.
Social-Behavioral Science [SB]	3 hrs 	

<b>Natural Science [SQ, SG]</b> PHY 121: UNIVERSITY PHYSICS I: MECHANICS or PHY 115: University Physics I	4-5 hrs
PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II	4-5 hrs

<b>Subject Options</b> MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs



General Education Awareness Areas [C, H, G]

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Physics degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Physics, BS degree program.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	0-4 hrs	If taking PHY 241 at the community college MAT 276 or 277: Modern Differential Equations AND MAT 225: Elementary Linear Algebra should also be taken. Students who do not take differential equations and linear algebra will need to take PHY 201 at ASU before continuing on.
Lower Division Elective	0-22 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. Per Maricopa to complete the AS Physics degree requirements, students must take MAT 225 and either (MAT 276 or MAT 277).

Total Required Credits: 60

# Pathway Agreement


Print


## Maricopa Community College District Physics (Secondary Education), BS Pathway 2021-2022

ASU Major: [Physics \(Secondary Education\), BS](#) | [The College of Liberal Arts and Sciences](#)


### Pathway Requirements

#### First-Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs COM 225 recommended to also cover Oral Communication.

#### Mathematical Studies [MA]


MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I  4-5 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]


EDU 222: Introduction to the Exceptional  
Learner or  
EED 222: Introduction to the Exceptional  
Young Child: Birth to Age Eight  3 hrs

GCU 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865 or  
POS 113: United States and Arizona Social Studies  3 hrs


GCU 113, HIS 103, and POS 113 meet US  
Constitution teacher certification requirement.  
GCU 113 and POS 113 also meet AZ  
Constitution teacher certification requirement.


#### Natural Science [SQ, SG]

PHY 115: University Physics I or  
PHY 121: University Physics I: Mechanics  4-5 hrs

PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism  4-5 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by EDU 222 or EED 222.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by HIS 103 or GCU/POS 113.


### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Secondary Education and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Physics (Secondary Education) BS degree program.

### MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs

<b>Additional Lower Division Requirements</b> MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs 

PHY 118: Explorations in Science Teaching	0-1 hrs	If not offered at Maricopa, PHY 118 must be taken at ASU after transfer.
Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Political Science, BA Pathway**  
**2021-2022**


ASU Major: **Political Science, BA | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or higher level math course that meets [MA] requirement.	 3-6 hrs
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Computer/Statistics/Quantitative Applications	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
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Humanities, Arts, and Design [HU]	 3 hrs
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<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	  3 hrs
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POS 120: World Politics or POS 140: Comparative Government	  3 hrs
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	 4 hrs
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
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Historical or Global Awareness [H] or [G]	 0-3 hrs	Satisfied by POS 120 or POS 140.
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Political Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Political Science, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0 hrs Satisfied by COM 225.

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

POS 210: Political Ideologies

3 hrs

Lower Division Political Science Elective

3 hrs

Select course that transfers to ASU with the POS prefix.

Related Area Courses

9 hrs

Select 3 courses that transfer to ASU as direct equivalencies or department elective credit (DEC) in the following ASU prefixes: ASB, COM, ECN, GCU, HST, JHR, POS, PSY, SBS, SOC, or WST. ASU requires 12 hours of related coursework. 9 hours to be completed prior to transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective

0-10 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional six (6) credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Political Science, BA Pathway**  
**2021-2022**


ASU Major: [Political Science, BA](#) | College of Liberal Arts and Sciences


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  

<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
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Humanities, Arts, and Design [HU]	3 hrs 
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<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	3 hrs  
POS 210: Political Ideologies	3 hrs 

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
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Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by POS 120 or POS 140.
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## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Political Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Political Science, BA degree program.



**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

POS 120: World Politics or POS 140: Comparative Government	3 hrs 	
Related Area Elective	0-12 hrs	Choose four Related Area courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. Four courses fulfill the Related Area requirement. This requirement may be met within the AGEC-A. Twelve hours of related field coursework is required for graduation and may be satisfied at the lower division level or completed after transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
POS Elective	3 hrs	Select one course that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) in the POS prefix.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Lower division second language: Select 101, 102, 201, 202 as needed to reach fourth semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Political Science, BS Pathway**  
**2021-2022**


ASU Major: **Political Science, BS | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or higher level course that meets MA requirement	 3-6 hrs
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
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Humanities, Arts, and Design [HU]	 3 hrs
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<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	  3 hrs
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POS 120: World Politics or POS 140: Comparative Government	  3 hrs
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	 4 hrs
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
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Historical or Global Awareness [H] or [G]	 0 hrs	Satisfied by POS 120 or POS 140.
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Political Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Political Science, BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

POS 210: Political Ideologies	3 hrs	
POS Elective	6 hrs	Select 6 credits that transfer to ASU with the POS prefix.
Related Area Courses	12 hrs	Select 12 credits that transfer to ASU as direct equivalencies or departmental elective credit (DEC) in the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. ASU requires 12 hours of related coursework. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-4 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Political Science, BS Pathway**  
**2021-2022**


ASU Major: [Political Science, BS](#) | College of Liberal Arts and Sciences


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  




<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or higher level course that meets MA requirement	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
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Humanities, Arts, and Design [HU]	3 hrs 
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<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	3 hrs  
POS 210: Political Ideologies	3 hrs 

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
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Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by POS 120 or POS 140.
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Political Science degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Political Science, BS degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

POS 120: World Politics or POS 140: Comparative Government	3 hrs 	
Related Area Courses	0-12 hrs	Choose four Related Area courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. Four courses fulfill the Related Area requirement. This requirement may be met within the AGEC-A. Twelve hours of Related Area requirement is required for graduation and may be satisfied at the lower division level or may be completed after transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
POS Elective	6 hrs	Select two courses that transfer to ASU as a direct equivalencies or Departmental Elective credits (DEC) in the POS prefix.
Lower Division Elective	0-16 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


Print


**Maricopa Community College District**  
**Political Science, BS Pathway**  
**2021-2022**


ASU Major: [Political Science, BS](#) | College of Integrative Sciences and Arts


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> COM 225: Public Speaking	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or higher level course that meets MA requirement	 3-6 hrs
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
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Humanities, Arts, and Design [HU]	 3 hrs
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<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	  3 hrs
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POS 120: World Politics or POS 140: Comparative Government	 3 hrs
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	 4 hrs
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
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Historical or Global Awareness [H] or [G]	 0 hrs	Satisfied by POS 120 or POS 140.
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Political Science degree and AGECE-A. Completion of the MAPP and all special requirements at ASU and guarantees admission to the Political Science, BS degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

POS 210: Political Ideologies	3 hrs 	
POS Elective	6 hrs	Select 6 credits that transfer to ASU with the POS prefix.
Related Area Courses	12 hrs	Select 12 credits that transfer to ASU as direct equivalents or departmental electives (DEC) in the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-4 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement


[Print](#)


## Maricopa Community College District Politics and the Economy, BS Pathway 2021-2022

ASU Major: [Politics and the Economy, BS](#) | College of Liberal Arts and Sciences


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs


#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus  3-4 hrs

Students considering graduate work in economics should select MAT 220 (5 credits) or MAT 221 (4 credits) instead of MAT 212/213.


Computer/Statistics/Quantitative Applications [CS]  3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

POS 110: American National Government  3 hrs


POS 120: World Politics or  
POS 140: Comparative Government   3 hrs

POS 120 and POS 140 will also satisfy the Global Awareness (G)


#### Natural Science [SQ, SG]


Natural Science [SQ, SG]  4 hrs

Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0 hrs

POS120 and POS140 will satisfy Global Awareness (G)

MCCCD Additional Requirements



### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Politics and the Economy, BS program.



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
ECN 211: Macroeconomic Principles	3 hrs	
ECN 212: Microeconomic Principles	3 hrs 	
MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business	3-5 hrs	Students considering graduate work in economics should select MAT 230 (5 credits) or 231 (4 credits) instead of MAT 217/218.
POS 210: Political Ideologies	3 hrs	
Lower Division Elective	1-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Psychology, BA Pathway**  
**2021-2022**

ASU Major: [Psychology, BA | New College of Interdisciplinary Arts and Sciences](#)

## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs



### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L] 3 hrs


### Mathematical Studies [MA, CS]

MAT 172: Finite Mathematics or  
 MAT 187: Precalculus or  
 MAT 212: Brief Calculus or  
 MAT 213: Brief Calculus OR   3-9 hrs

MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 higher level course that meets MA  
 requirement



CIS 105: Survey of Computer Information  
 Systems or  
 CSC 180: Computer Literacy or  
 CSC 180AA: Computer Literacy or  
 CSC 180AB: Computer Literacy   3-4 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]


## Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BA degree program.


ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs 	PSY 290AB or PSY 290AC may be applied as Natural Science [SG] or Literacy and Critical Inquiry [L], but not both.
Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.

<b>General Education Awareness Areas [C, H, G]</b>		
Cultural Diversity in the U.S. [C]	0-3 hrs 	
Historical or Global Awareness [H] or [G]	0-3 hrs 	

<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b>		
PSY 230: Introduction to Statistics	3 hrs 	

Psychology Elective	3-4 hrs	Select one course from the following options: PSY 132, 157, 215, 218, 225, 235, 240, 241, 248, 250, 260, 262, 266, 275, 277, 280
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Related Area Courses	6 hrs	Select courses that transfer as a direct equivalent or departmental elective credit (DEC) in the following prefixes: ASB, COM, POS, PSY, or SOC.
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Lower Division Elective	0-13 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional six (6) credits of upper-division Global or Cultural courses once at ASU.
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Total Required Credits: 60

# Pathway Agreement



Print



**Maricopa Community College District**  
**Psychology, BA Pathway**  
**2021-2022**

ASU Major: [Psychology, BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]

ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

PSY 290AB: Research Methods or  
 PSY 290AC: Research Methods  4 hrs

### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with Review or  
 MAT 182: Plane Trigonometry or  
 MAT 187: Precalculus OR


  3-9 hrs

Students need to consider their educational path when selecting a math course. For example, students who intend to pursue medical school may need calculus.

Higher level course that meets MA requirement



PSY 230: Introduction to Statistics  3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.

Natural Science [SQ, SG]  4 hrs Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.

General Education Awareness Areas [C, H, G]



## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BA degree program.

Special Requirements: 2.0 G.P.A. in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU, but left with a G.P.A. below 2.0, that student is not eligible to pursue this pathway because the student is not admissible to Psychology at the Tempe campus.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b>		
Related Area Courses	0-12 hrs	Select four courses (12 credit hours) which transfer as either direct equivalents or Departmental Electives (DEC) to courses in the following ASU prefixes: ASB, ASM, BIO, GCU, PHI, or SOC. Transfer equivalency is based on the semester and year the course is taken. May be met within AGEC-A or electives.
Psychology Elective	3 hrs	Select one of the following: PSY 132, PSY 157, PSY 215, PSY 218, PSY 225, PSY 235, PSY 240, PSY 241, PSY 248, PSY 250, PSY 260, PSY 262, PSY 266, P2Y 275, PSY 277, or PSY 280.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Lower Division - Second Language Requirement - Select 101, 102, 201, 202 as needed to reach fourth semester proficiency.
Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 61

# Pathway Agreement



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**Maricopa Community College District**  
**Psychology, BA, BA Pathway**  
**2021-2022**

ASU Major: **Psychology, BA | College of Integrative Sciences and Arts**



## Pathway Requirements




First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 PSY 290AB: Research Methods or  
 PSY 290AC: Research Methods  4 hrs

Mathematical Studies [MA, CS]  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 187: Precalculus OR  
 MAT 172: Finite Mathematics  
 PSY 230: Introduction to Statistics 3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs  
 Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs  
 Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.  
 Natural Science [SQ, SG] 4 hrs



General Education Awareness Areas [C, H, G]

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BA degree program.



Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

CIS 105: Survey of Computer Information Systems or CSC 180: Computer Literacy or CSC 180AA: Computer Literacy or CSC 180AB: Computer Literacy	3-4 hrs	 
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PSY Elective	3-4 hrs	Select one course from the following options: PSY 132, 157, 215, 218, 225, 235, 240, 241, 248, 250, 260, 262, 266, 275, 277, 280
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Related Area Courses	6 hrs	Select courses that transfer as a direct equivalent or departmental elective credit (DEC) in the following prefixes: ASB, COM, POS, or SOC.
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Lower Division Elective	0-11 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Psychology, BS Pathway**  
**2021-2022**



ASU Major: **Psychology, BS | New College of Interdisciplinary Arts and Sciences**



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L] 3 hrs


Mathematical Studies [MA, CS]  
 MAT 187: Precalculus OR   5-9 hrs  
 MAT 150: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR  
 MAT 151: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR  
 MAT 152: College Algebra / Functions and  
 MAT 182: Plane Trigonometry OR  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR  
 Higher level course that meets MA  
 requirement

CIS 105: Survey of Computer Information  
 Systems or   3-4 hrs  
 CSC 180: Computer Literacy or  
 CSC 180AA: Computer Literacy or  
 CSC 180AB: Computer Literacy

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements



The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>




PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs 	PSY 290AB or PSY 290AC may be applied as Natural Science [SG] or Literacy and Critical Inquiry [L], but not both.
Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.

**General Education Awareness Areas [C, H, G]**


Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

PSY 230: Introduction to Statistics	3 hrs 
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Psychology Elective	3-4 hrs	Select one course from the following options: PSY 132, 157, 215, 218, 225, 235, 240, 241, 248, 250, 260, 262, 266, 275, 277, 280
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Natural Science [SQ, SG]	8 hrs	Life Science lecture/lab course (BIO or MIC prefixes) and a Physical Science lecture/lab course (AST, CHM, GLG or PHY) are required in addition to PSY 290 [SG] and the Natural Science (SQ) General Studies requirement.
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Related Area Courses	6 hrs	Select courses that transfers as a direct equivalent or departmental elective credit (DEC) in the following ASU prefixes: ASB, COM, POS, PSY, or SOC.
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Lower Division Elective	0-6 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional six (6) credits of upper-division Global or Cultural courses once at ASU.
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Total Required Credits: 63





# Pathway Agreement


Print



**Maricopa Community College District**  
**Psychology, BS Pathway**  
**2021-2022**


ASU Major: [Psychology, BS | College of Liberal Arts and Sciences](#)



## Pathway Requirements




<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> PSY 290AB: Research Methods or PSY 290AC: Research Methods	 4 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 172: Finite Mathematics OR	  3-9 hrs	Students should consider their educational path when selecting a math course. For example, students who intend to pursue medical school may need a calculus course.
MAT 150: College Algebra/Functions and MAT 182: Plane Trigonometry or MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry or MAT 152: College Algebra/Functions and MAT 182: Plane Trigonometry or MAT 155: College Algebra/Functions with Review and MAT 182: Plane Trigonometry or MAT 156: College Algebra/Functions with Review and MAT 182: Plane Trigonometry or MAT 187: Precalculus OR  Higher level course that meets MA requirement.		

PSY 230: Introduction to Statistics	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> PSY 101: Introduction to Psychology	  3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ]	 4 hrs	Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.
Natural Science [SQ, SG]	 4 hrs	Students must complete two Natural Sciences in addition to PSY 290.

General Education Awareness Areas [C, H, G]



## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BS degree program.

Special Requirements: 2.0 G.P.A. in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU, but left with a G.P.A. below 2.0, that student is not eligible to pursue this pathway because the student is not admissible to Psychology at the Tempe campus.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b>		
Psychology Elective	3-4 hrs	Select one course from the following options: PSY 132, 157, 215, 218, 225, 235, 240, 241, 248, 250, 260, 262, 266, 275, 277, 280
Related Area Courses	0-12 hrs	Select four additional courses (12 credits) that transfer as either Direct Equivalency or Departmental Elective (DEC) to courses in the following ASU departments: ASB, ASM, BIO, GCU, SOC, PHI.
Lower Division Elective	0-18 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Psychology, BS, BS Pathway**  
**2021-2022**

ASU Major: [Psychology, BS | College of Integrative Sciences and Arts](#)

## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 187: Precalculus OR


MAT 172: Finite Mathematics  
 PSY 230: Introduction to Statistics 3 hrs


Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 PSY 290AB: Research Methods or  
 PSY 290AC: Research Methods  4 hrs PSY 290AB or PSY 290AC may be applied as  
 Natural Science [SG] or Literacy and Critical  
 Inquiry [L], but not both.

Natural Science [SQ, SG]  4 hrs Life Science Lab Course - Applied Biological  
 Science, Biology, or Microbiology



General Education Awareness Areas [C, H, G]

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology, BS degree program.



Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

CIS 105: Survey of Computer Information Systems or CSC 180: Computer Literacy or CSC 180AA: Computer Literacy or CSC 180AB: Computer Literacy	3-4 hrs	 
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PSY Elective	3-4 hrs	Select one course from the following options: PSY 132, 157, 215, 218, 225, 235, 240, 241, 248, 250, 260, 262, 266, 275, 277, 280
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Related Area Courses	6 hrs	Select a course that transfers as a direct equivalent or departmental elective credit (DEC) in the following ASU prefixes: ASB, COM, POS, PSY, or SOC.
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Lower Division Elective	9-12 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Psychology (Forensic Psychology), BA Pathway 2021-2022


ASU Major: [Psychology \(Forensic Psychology\), BA | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L] 3 hrs

Mathematical Studies [MA, CS]  
MAT 172: Finite Mathematics or  
MAT 187: Precalculus or  
MAT 212: Brief Calculus or  
MAT 213: Brief Calculus or  
higher level course that meets MA  
requirement   3-5 hrs

CIS 105: Survey of Computer Information  
Systems or  
CSC 180: Computer Literacy or  
CSC 180AA: Computer Literacy or  
CSC 180AB: Computer Literacy   3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
PSY 101: Introduction to Psychology  3 hrs

Social-Behavioral Science [SB] 3 hrs Recommend selecting a course with [SB] in following prefixes: ASB, COM, POS, PSY or SOC.

Natural Science [SQ, SG]  
PSY 290AB: Research Methods or  
PSY 290AC: Research Methods  4 hrs

Natural Science [SQ]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology (Forensic Psychology), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR

0-3 hrs



COM 110: Interpersonal Communication OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PSY 230: Introduction to Statistics

3 hrs

Psychology Elective

3-4 hrs

Select one course from the following options: PSY 132, 157, 215, 218, 225, 235, 240, 241, 248, 250, 260, 262, 266, 275, 277, 280

Related Coursework Elective

0-9 hrs

Select up to three courses that transfer as a direct equivalent or departmental elective credit (DEC) in the following prefixes: ASB, ASM, COM, POS, PSY, or SOC. These courses may be used to fulfill any outstanding AGEC requirements simultaneously.

Lower Division Elective

0-22 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 63**

# Pathway Agreement



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**Maricopa Community College District**  
**Psychology (Forensic Psychology), BS Pathway**  
**2021-2022**

ASU Major: **Psychology (Forensic Psychology), BS | New College of Interdisciplinary Arts and Sciences**

## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 150: College Algebra and  
 MAT 182: Functions OR   5-9 hrs

MAT 151: College Algebra and  
 MAT 182: Functions OR


MAT 152: College Algebra and  
 MAT 182: Functions OR


MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR


MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry OR

MAT 187: Precalculus or  
 higher level course that meets MA  
 requirement

CIS 105: Survey of Computer Information  
 Systems or  
 CSC 180: Computer Literacy or  
 CSC 180AA: Computer Literacy or  
 CSC 180AB: Computer Literacy   3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology  3 hrs

Social-Behavioral Science [SB] 3 hrs Recommend selecting a course with [SB] in following prefixes: ASB, COM, POS, PSY or SOC.

Natural Science [SQ, SG]

## Pathway Notes




Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



## Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Psychology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Psychology (Forensic Psychology), BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>



PSY 290AB: Research Methods or PSY 290AC: Research Methods	4 hrs	 
Natural Science [SQ]	4 hrs	

<b>General Education Awareness Areas [C, H, G]</b>		
Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

<b>MCCCD Additional Requirements</b>		
COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
Life Science Lecture and Lab Course	0-4 hrs	Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science [SQ] and [SG] requirements (eight credit hours). May be completed after transfer to ASU.
PSY 230: Introduction to Statistics	3 hrs	
Psychology Elective	3-4 hrs	Select one course from the following options: PSY 132, 157, 215, 218, 225, 235, 240, 241, 248, 250, 260, 262, 266, 275, 277, 280
Lower Division Elective	0-17 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 60**



# Pathway Agreement

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**Maricopa Community College District**  
**Public Health, BS Pathway**  
**2021-2022**

ASU Major: [Public Health, BS | College of Health Solutions](#)

## Pathway Requirements

### First Year Composition [FYC]

ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL

3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL

3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

3 hrs [Recommend COM 225](#)

### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 151AA: College Algebra or  
 MAT 151AB: Functions I or  
 MAT 151AC: College Algebra or  
 MAT 151AD: Functions II or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with Review or  
 MAT 156: College Algebra/Functions with Review

3-6 hrs

Computer/Statistics/Quantitative Applications

3 hrs

### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs

Humanities, Arts, and Design [HU]

3 hrs

### Social-Behavioral Science [SB]

ASB 100: Introduction to Global Health

3 hrs [Satisfies the \[G\] AGEC requirement.](#)

PSY 101: Introduction to Psychology

3 hrs

### Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I

4 hrs

CHM 130: Fundamental Chemistry and  
 CHM 130LL: Fundamental Chemistry Laboratory OR

CHM 130AA: Fundamental Chemistry with Lab

4 hrs

## Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Health BS degree program.

The Public Health, BS degree may take more than four semesters after transfer to complete. Students may want to consider taking summer school or taking 18 credits in one semester if wanting to complete the degree in two years after transferring.



General Education Awareness Areas [C, H, G]

Cultural Diversity in the US [C]	0 hrs	AGEC Awareness Area [C] met by HES 210
		
Historical or Global Awareness [H] or [G]	0 hrs	AGEC Awareness Area [G] met by ASB 100
		

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

BIO 182: General Biology (Majors) II	4 hrs	
ECN 211: Macroeconomic Principles	3 hrs	
HES 210: Cultural Aspects of Health and Illness	3 hrs	
Lower Division Elective	10-15 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. PBH 100 and EXW 102 must be taken once students transfer to ASU, as there are no equivalent courses offered at the Maricopa Community Colleges.

Total Required Credits: 60





# Pathway Agreement


[Print](#)




**Maricopa Community College District**  
**Public Service and Public Policy, BS Pathway**  
**2021-2022**



ASU Major: [Public Service and Public Policy, BS | College of Public Service and Community Solutions](#)

## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC	3 hrs 	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
MAT 206: Elements of Statistics	3 hrs  

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	3 hrs 
Humanities, Arts, and Design	3 hrs 

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	3 hrs  
SOC 101: Introduction to Sociology	3 hrs  

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Sciences requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Policy BS program.

<b>MCCCD Additional Requirements</b>		
COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD 200 at a Maricopa community college or take PAF 201 in their first semester at ASU.
Related Area Courses	3 hrs	Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, PAD 201, POS 110, OR SOC 101.
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

### Track/Groups

#### COPP Interdisciplinary Requirement

<b>COPP Interdisciplinary Requirement</b>	
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	<b>COPP Interdisciplinary Requirement</b>
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
HRM 160: Tourism Principles And Practices or REC 120: Leisure and the Quality of Life	





# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy (American Indian Studies), BS Pathway**  
**2021-2022**


ASU Major: [Public Service and Public Policy \(American Indian Studies\), BS | College of Public Service and Community Solutions](#)

## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC	 3 hrs	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
MAT 206: Elements of Statistics	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	  3 hrs
SOC 101: Introduction to Sociology	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0 hrs	AIS 105 or SOC 105 can fulfill this requirement.
Historical or Global Awareness [H] or [G]	 0 hrs	AIS 110 or AIS 160 or SOC 160 can fulfill this requirement.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (American Indian Studies) BS program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD 200 at a Maricopa community college or take PAF 201 in their first semester at ASU.
AIS 105: Introduction to American Indian Studies or SOC 105: Introduction to American Indian Studies	3 hrs	
AIS 110: Navajo Government or AIS 160: American Indian Law or SOC 160: American Indian Law	3 hrs	
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Elective Requirement: Cannot be met with MCCCD's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**COPP Interdisciplinary Requirement**

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or	Interdisciplinary Track 1
AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
BHS 150: Introduction to Behavioral Health and Social Services or	Interdisciplinary Track 2
SWU 171: Introduction to Social Welfare	<b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	Interdisciplinary Track 3





# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy (Business), BS Pathway**  
**2021-2022**


ASU Major: [Public Service and Public Policy \(Business\), BS](#) | [College of Public Service and Community Solutions](#)

## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC ISSUES	3 hrs 	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
MAT 206: Elements of Statistics	3 hrs  

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	3 hrs  
SOC 101: Introduction to Sociology	3 hrs  

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Business) BS program.



**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Elective Requirement: Cannot be met with MCCCD's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**COPP Interdisciplinary Requirement**

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Interdisciplinary Track 1 <b>COPP Interdisciplinary Requirement</b>
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	Interdisciplinary Track 2 <b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	Interdisciplinary Track 3





# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy (Criminology), BS Pathway**  
**2021-2022**



ASU Major: [Public Service and Public Policy \(Criminology\), BS](#) | [College of Public Service and Community Solutions](#)

## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC	3 hrs 	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or higher level course that meets MA requirement	3-6 hrs 
MAT 206: Elements of Statistics	3 hrs  

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design [HU]	3 hrs 

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	3 hrs  
SOC 101: Introduction to Sociology	3 hrs  

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Criminology) BS program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Just	3 hrs	
AJS 113: Criminal Justice Crime Contro	3 hrs	
PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD 200 at a Maricopa community college or take PAF 201 in their first semester at ASU.
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Electives: Cannot be met with MCCCC's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of six credit hours. Please see below for track titles.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

**Track/Groups**

**COPP Interdisciplinary Requirement**

<b>COPP Interdisciplinary Requirement</b>	
AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	<b>COPP Interdisciplinary Requirement</b>
SWU 171: Introduction to Social Welfare	

# Pathway Agreement

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## Maricopa Community College District

### Public Service and Public Policy (Emergency Management and Homeland Security), BS Pathway

2021-2022

ASU Major: [Public Service and Public Policy \(Emergency Management and Homeland Security\), BS](#) | College of Public Service and Community Solutions


### Pathway Requirements


#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs



#### Literacy and Critical Inquiry [L]

ENG 216: PERSUASIVE WRITING ON PUBLIC  3 hrs If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.


COM 225: Public Speaking  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

MAT 206: Elements of Statistics   3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs

SOC 101: Introduction to Sociology   3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs




General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Emergency Management and Homeland Security) BS program.

Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0-3 hrs		
<b>MCCCD Additional Requirements</b>			
COM 225: Public Speaking	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>			
PAD 100: 21st Century Public Policy and Service	3 hrs		
PAD 200: Public Affairs Economics	0-3 hrs		Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
AJS 101: Introduction To Criminal Just	3 hrs		
AJS 113: Criminal Justice Crime Contro	3 hrs		
COPP Interdisciplinary Requirement	6 hrs		Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-7 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

### Track/Groups

COPP Interdisciplinary Requirement

<b>COPP Interdisciplinary Requirement</b>	
AJS 212: Juvenile Justice Procedures OR	
AJS 109: Substantive Criminal Law OR	<b>COPP Interdisciplinary Requirement</b>
AJS 270: Community Relations	
BHS 150: Introduction to Behavioral Health and Social Services or	
SWU 171: Introduction to Social Welfare	<b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or	
HRM 160: Tourism Principles And Practices	





# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy (Health Policy), BS Pathway**  
**2021-2022**



ASU Major: **Public Service and Public Policy (Health Policy), BS | College of Public Service and Community Solutions**





## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC	3 hrs 	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs 
MAT 206: Elements of Statistics	3 hrs  

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
Humanities, Arts, and Design	3 hrs 

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	3 hrs  
SOC 101: Introduction to Sociology	3 hrs  

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Health Policy) BS program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Elective Requirement: Cannot be met with MCCCD's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	6 hrs	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**COPP Interdisciplinary Requirement**

<b>COPP Interdisciplinary Requirement</b>	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law OR	<b>COPP Interdisciplinary Requirement</b>
AJS 270: Community Relations	
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	<b>COPP Interdisciplinary Requirement</b>
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	





# Pathway Agreement


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**Maricopa Community College District**  
**Public Service and Public Policy (Law and Policy), BS Pathway**  
**2021-2022**


ASU Major: [Public Service and Public Policy \(Law and Policy\), BS](#) | College of Public Service and Community Solutions

## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> ENG 216: PERSUASIVE WRITING ON PUBLIC	 3 hrs	If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	 3-6 hrs
MAT 206: Elements of Statistics	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design	 3 hrs
Humanities, Arts, and Design	 3 hrs

<b>Social-Behavioral Science [SB]</b> POS 110: American National Government	  3 hrs
SOC 101: Introduction to Sociology	  3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Complete at least one SQ course.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Law and Policy) BS program.



**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

AJS 101: Introduction To Criminal Just	3 hrs	
AJS 113: Criminal Justice Crime Contro	3 hrs	
PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	
Related Area Course	3 hrs	Complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, PAD 201, POS 110, OR SOC 101.
COPP Interdisciplinary Requirement	6 hrs	Select one course (not AJS 101) from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

**Track/Groups**

**COPP Interdisciplinary Requirement**

<b>COPP Interdisciplinary Requirement</b>	
AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	<b>COPP Interdisciplinary Requirement</b>
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	

# Pathway Agreement

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## Maricopa Community College District

### Public Service and Public Policy (Nonprofit Leadership and Management), BS Pathway

2021-2022

ASU Major: [Public Service and Public Policy \(Nonprofit Leadership and Management\), BS](#) | College of Public Service and Community Solutions

#### Pathway Requirements

##### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL 3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL 3 hrs



##### Literacy and Critical Inquiry [L]

ENG 216: PERSUASIVE WRITING ON PUBLIC 3 hrs



If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.

##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement 3-6 hrs



MAT 206: Elements of Statistics 3 hrs



##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs



Humanities, Arts, and Design [HU] 3 hrs



##### Social-Behavioral Science [SB]

POS 110: American National Government 3 hrs



SOC 101: Introduction to Sociology 3 hrs



##### Natural Science [SQ, SG]

Natural Science [SQ, SG] 4 hrs



Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG] 4 hrs



##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C] 0-3 hrs



Historical or Global Awareness [H] or [G] 0-3 hrs



#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Nonprofit Leadership and Management) BS program.

**MCCCD Additional Requirements**  
COM 225: Public Speaking



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service 3 hrs

PAD 200: Public Affairs Economics 0-3 hrs Student may take PAD 200 at a Maricopa community college or take PAF 201 in their first semester at ASU.

REC 120: Leisure and the Quality of Life 3 hrs

Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken). 3 hrs Public Programs Electives: Cannot be met with MCCC's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).

COPP Interdisciplinary Requirement 3 hrs Select one course from College of Public Programs Interdisciplinary Requirement Tracks, for a total of 3 credit hours.

Lower Division Elective 0-13 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

**Track/Groups**

COPP Interdisciplinary Requirement

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	COPP Interdisciplinary Requirement
HRM 160: Tourism Principles And Practices	
COPP Interdisciplinary Requirement	
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	

# Pathway Agreement

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## Maricopa Community College District

### Public Service and Public Policy (Parks and Recreation Management), BS Pathway

2021-2022

ASU Major: [Public Service and Public Policy \(Parks and Recreation Management\), BS](#) | College of Public Service and Community Solutions


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 216: PERSUASIVE WRITING ON PUBLIC  3 hrs If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

MAT 206: Elements of Statistics   3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs


SOC 101: Introduction to Sociology   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs


Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Parks and Recreation Management) BS program.

MCCCD Additional Requirements		
COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
Additional Lower Division Requirements		
PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
REC 120: Leisure and the Quality of Life	3 hrs	
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken).	3 hrs	Public Programs Electives: Cannot be met with MCCC's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
COPP Interdisciplinary Requirement	3 hrs	Select one course from College of Public Programs Interdisciplinary Requirement Tracks, for a total of 3 credit hours. Please see below for track titles.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

### Track/Groups

#### COPP Interdisciplinary Requirement

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Interdisciplinary Track 1
COPP Interdisciplinary Requirement	
HRM 160: Tourism Principles And Practices	Interdisciplinary Track 2
COPP Interdisciplinary Requirement	
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	Interdisciplinary Track 3

# Pathway Agreement

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## Maricopa Community College District

### Public Service and Public Policy (Science and Technology Policy), BS Pathway

2021-2022

ASU Major: [Public Service and Public Policy \(Science and Technology Policy\), BS](#) | College of Public Service and Community Solutions


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 216: PERSUASIVE WRITING ON PUBLIC  3 hrs If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs

MAT 206: Elements of Statistics   3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs


SOC 101: Introduction to Sociology   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Science and Technology Policy) BS program.

**MCCCD Additional Requirements**  
COM 225: Public Speaking

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**  
PAD 100: 21st Century Public Policy and Service

3 hrs

PAD 200: Public Affairs Economics 0-3 hrs Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.

Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, OR SWU (according to the CEG for the term taken). 3 hrs Public Programs Electives: Cannot be met with MCCC'D's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).

COPP Interdisciplinary Requirement 6 hrs Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. Please see below for track titles.

Lower Division Elective 0-13 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

COPP Interdisciplinary Requirement

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or	Interdisciplinary Track 1
AJS 109: Substantive Criminal Law or AJS 270: Community Relations	<b>COPP Interdisciplinary Requirement</b>
BHS 150: Introduction to Behavioral Health and Social Services or	Interdisciplinary Track 2
SWU 171: Introduction to Social Welfare	<b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	Interdisciplinary Track 3

# Pathway Agreement

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## Maricopa Community College District

### Public Service and Public Policy (Social Services Delivery), BS Pathway

2021-2022

ASU Major: [Public Service and Public Policy \(Social Services Delivery\), BS](#) | College of Public Service and Community Solutions

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

ENG 216: PERSUASIVE WRITING ON PUBLIC ISSUES



3 hrs

If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review



3-6 hrs

MAT 206: Elements of Statistics



3 hrs

#### Humanities, Arts, and Design [HU]

PHI 101: Introduction to Philosophy or  
PHI 102: Introduction to Philosophy



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

POS 110: American National Government



3 hrs

SOC 101: Introduction to Sociology



3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

Select at least one SQ course within the Natural Science requirement.

Natural Science [SQ, SG]



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0 hrs

Requirement met by SWU 292

Historical or Global Awareness [H] or [G]



0 hrs

Requirement met by SWU 171.

MCCCD Additional Requirements


### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Social Services Delivery) BS program.



COM 225: Public Speaking	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
PAD 100: 21st Century Public Policy and Service	3 hrs	
PAD 200: Public Affairs Economics	0-3 hrs	Student may take PAD200 at a Maricopa community college or take PAF201 in their first semester at ASU.
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	3 hrs	This course simultaneously fulfills 3 credits of the COPP Interdisciplinary Requirement.
SWU 291: Social Service Delivery Systems	3 hrs	
SWU 295: Effective Helping in a Diverse World	3 hrs	
COPP Interdisciplinary Requirement	3 hrs	Select one course from College of Public Programs Interdisciplinary Requirement Tracks for a total of 3 credit hours in addition to SWU 171.
Related Area Course	3 hrs	Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, POS 110, OR SOC 101.
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

### Track/Groups

COPP Interdisciplinary Requirement

<b>COPP Interdisciplinary Requirement</b>	
AJS 101: Introduction To Criminal Just or AJS 212: Juvenile Justice Procedures or AJS 109: Substantive Criminal Law	<b>COPP Interdisciplinary Requirement</b>
REC 120: Leisure and the Quality of Life or HRM 160: Tourism Principles And Practices	

# Pathway Agreement



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## Maricopa Community College District Public Service and Public Policy (Sustainability), BS Pathway 2021-2022

ASU Major: [Public Service and Public Policy \(Sustainability\), BS](#) | [College of Public Service and Community Solutions](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

ENG 216: PERSUASIVE WRITING ON PUBLIC  3 hrs If ENG 216 is not offered, COM 225 may be used to satisfy the [L] requirement and ENG 216 can be taken after transfer to ASU.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets the MA  
requirement.  3-6 hrs



MAT 206: Elements of Statistics   3 hrs



#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

POS 110: American National Government   3 hrs


SOC 101: Introduction to Sociology   3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Choose at least one SQ within the Natural Sciences Requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service and Public Policy (Sustainability) BS program.

**MCCCD Additional Requirements**

COM 225: Public Speaking	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

PAD 100: 21st Century Public Policy and Service	3 hrs		
PAD 200: Public Affairs Economics	0-3 hrs		Student may take PAD 200 at a Maricopa community college or take PAF 201 in their first semester at ASU.
SSH 111: Sustainable Cities	3 hrs		
SUS 110: Sustainable World	3 hrs		
Related Area Elective	3 hrs		Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Cannot be met with MCCCD's PAD 100, PAD 200, POS 110, or SOC 101.
COPP Interdisciplinary Requirement	6 hrs		Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours.
Lower Division Elective	0-7 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

**Track/Groups**

**COPP Interdisciplinary Requirement**

COPP Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or	Interdisciplinary Track 1
COPP Interdisciplinary Requirement	
AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Interdisciplinary Track 2
COPP Interdisciplinary Requirement	
BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	Interdisciplinary Track 3

# Pathway Agreement



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**Maricopa Community College District**  
**Recreation Therapy, BS Pathway**  
**2021-2022**

ASU Major: [Recreation Therapy, BS | Watts College of Public Service & Community Solut](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

SWU 183: Introductory Ethics: A Social  
 Service Perspective  3 hrs


Humanities, Arts, and Design [HU]  3 hrs



### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology   3 hrs


REC 120: Leisure and the Quality of Life  3 hrs


### Natural Science [SQ, SG]

BIO 160: Introduction to Human Anatomy  
 and Physiology  4 hrs

BIO 201: Human Anatomy and Physiology I   4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Recreation Therapy BS degree program.


MCCCD Additional Requirements

COM 100: Introduction to Human Communication OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b> AJS 101: Introduction To Criminal Justice or AJS 109: Substantive Criminal Law or AJS 113: Criminal Justice Crime Control Policies and Prctices or AJS 212: Juvenile Justice Procedures or AJS 230: The Police Function or AJS 240: The Correction Function or AJS 270: Community Relations or PAD 100: 21st Century Public Policy and Service or PAD 200: Public Affairs Economics	3 hrs	Fulfill's ASU Interdisciplinary Requirement
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BIO 202: Human Anatomy and Physiology II or Lower Division Elective	3-4 hrs 	BIO 202 is recommended for students seeking graduate education in health professions
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CFS 205: Human Development	3 hrs
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EXS 101: Introduction to Exercise Science	3 hrs 
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REC 210: Leisure Delivery Systems	3 hrs
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REC 230: Programming of Recreation Services	3 hrs
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Lower Division Elective	0-6 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Religious Studies (Religion, Culture and Public Life), BA Pathway 2021-2022


ASU Major: [Religious Studies \(Religion, Culture and Public Life\), BA](#) | College of Liberal Arts and Sciences



### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs 


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs 


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
higher course that meets MA requirements.  3-6 hrs


Computer/Statistics/Quantitative Applications  3 hrs 

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.

Humanities, Arts, and Design [HU]  3 hrs May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.

Social-Behavioral Science [SB]  
Social-Behavioral Science [SB]  3 hrs May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST.

Social-Behavioral Science [SB]  3 hrs May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST.

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Religious Studies degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Religious Studies (Religion, Culture and Public Life) BA degree program.

After Transfer to ASU: 2.5 cumulative GPA in religious studies courses required for graduation.

REL 101 is a required course that will be needed after transfer to ASU.

Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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<b>Additional Lower Division Requirements</b>		
Related Area Courses	0-6 hrs	Select up to two Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST. May be satisfied within Humanities, Arts and Design and Social and Behavioral Sciences AGEC categories.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	0-25 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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## Maricopa Community College District Religious Studies (Religion, Politics and Global Affairs), BA Pathway 2021-2022



ASU Major: [Religious Studies \(Religion, Politics and Global Affairs\), BA | College of Liberal Arts and Sciences](#)



### Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs

<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or higher level course that meets MA requirement	 3-6 hrs
Computer/Statistics/Quantitative Applications	  3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs	May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.
Humanities, Arts, and Design [HU]	 3 hrs	May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs	May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST.
Social-Behavioral Science [SB]	 3 hrs	May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST.

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Religious Studies degree and AGECA-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Religious Studies (Religion, Politics and Global Affairs) BA degree program.

After Transfer to ASU: 2.5 cumulative GPA in religious studies courses required for graduation.


REL 101 is a required course that will be needed after transfer to ASU.



Cultural Diversity in the U.S. [C] 0-3 hrs 

Historical or Global Awareness [H] or [G] 0-3 hrs 

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication 0-3 hrs 

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Related Area Courses 0-6 hrs Select up to two Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, APH, ARS, ASB, GCU, HPS, HST, JUS, PHI, POS, SGS, SOC, TCL, or WST. May be satisfied within Humanities, Arts and Design and Social and Behavioral Sciences AGEC categories.

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Science of Health Care Delivery, BS Pathway**  
**2021-2022**

ASU Major: [Science of Health Care Delivery, BS | College of Health Solutions](#)

## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs



### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L] 3 hrs

### Mathematical Studies [MA, CS]



MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 151AA: College Algebra/Functions I /  
 College Algebra/Functions II / College  
 Algebra/Functions III / College  
 Algebra/Functions IV or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with  
 Review or  
 MAT 156: College Algebra/Functions with  
 Review  3 hrs

### Humanities, Arts, and Design [HU]

PHI 105: Intro to Ethics   3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles or  
 ECN 212: Microeconomic Principles   3 hrs


SOC 101: Introductory Sociology   3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

HES 210: Cultural Aspects of Health and  
 Illness or  
 IFS 215: Cultural Context of Health  
 Information  3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Science of Health Care Delivery, BS degree program.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication OR 0-3 hrs



COM 110: Interpersonal Communication OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

CRE 101: College Critical Reading and Critical Thinking 0-3 hrs

Additional Lower Division Requirements

Lower Division Elective 22-25 hrs

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Science, Technology and Society, BS Pathway**  
**2021-2022**


ASU Major: [Science, Technology and Society, BS](#) | College of Integrative Sciences and Arts


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level approved [MA] course	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [C]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs 
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Humanities, Arts, and Design [HU]	3 hrs 
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<b>Social-Behavioral Science [SB]</b> SOC 180: Social Implications of Technology	3 hrs 
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Social-Behavioral Science [SB]	3 hrs 
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
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Historical or Global Awareness [H] or [G]	0-3 hrs 
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Science, Technology and Society, BS degree program.

Up to a maximum total number of 75 credits may be transferred to ASU for students on this MAPP.

CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
<b>Additional Lower Division Requirements</b> Science, Technology, and Society Related Area	6 hrs	Select 2 courses that transfer to ASU as a Departmental Elective from the following prefixes: AES, AFR, AIS, APA, ASM, COM, ECN, FAS, GCU, HST, ISS, JUS, MIS, POS, PHI, PSY, REL, SGS, SOC, TCL, WST
Lower Division Elective	7-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60



# Pathway Agreement

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## Maricopa Community College District Secondary Education (Biological Sciences), BAE Pathway 2021-2022

ASU Major: [Secondary Education \(Biological Sciences\), BAE | Mary Lou Fulton Teachers College](#)

### Pathway Requirements



First-Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs 

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	0-3 hrs	COM 225 is recommended.
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Mathematical Studies [MA] MAT 220: Calculus with Analytic Geometry I OR MAT 221: Calculus with Analytic Geometry I	4-5 hrs 	Required for the AS, Emphasis in Secondary Education.
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Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs
Humanities, Arts, and Design [HU]	3 hrs

Social-Behavioral Science [SB] CFS 176: Child Development or ECH 176: Child Development	3 hrs
EDU 221: Introduction to Education or EED 200: Foundations of Early Childhood Education	3 hrs

Natural Science [SQ, SG] BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I	4 hrs 
BIO 182: General Biology (Majors) II or BIO 182XT: General Biology (Majors) II	4 hrs 

Subject Options

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Secondary Education and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Secondary Education (Biological Sciences) BAE degree program.

Special Requirements: 2.5 GPA in Biological Sciences concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory  
 or  
 CHM 150AA: General Chemistry I or  
 CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory  
 or  
 CHM 151AA: General Chemistry I

4-5 hrs



CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II  
 Laboratory or  
 CHM 152AA: General Chemistry II or  
 CHM 154: General Chemistry II with  
 Qualitative Analysis and  
 CHM 154LL: General Chemistry II with  
 Qualitative Laboratory

4-5 hrs



**General Education Awareness Areas [C, H, G]**

EDU 222: Introduction to the Exceptional  
 Learner or  
 EED 222: Introduction to the Exceptional  
 Young Child: Birth to Age Eight

3 hrs

Historical or Global Awareness [H] or [G] 0 hrs Satisfied by HIS 103 or GCU 113/POS 113.

**MCCCD Additional Requirements**

COM 100: Introduction to Human  
 Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 205: Microbiology OR

4 hrs



BIO 220: Biology of Microorganisms

CSC 180: Computer Literacy or  
 CSC 180AA: Computer Literacy or  
 CSC 180AB: Computer Literacy OR

3-4 hrs

CIS 105: Survey of Computer Information  
 Systems

EDU 220: Introduction to Serving English  
 Language Learners (ELL)

3 hrs

EDU 230: Cultural Diversity in Education

3 hrs

GCU 113: United States and Arizona Social Studies or  
 HIS 103: United States History to 1865 or  
 POS 113: United States and Arizona Social Studies

3 hrs



GCU 113, HIS 103, and POS 113 meet US  
 Constitution teacher certification requirement.  
 GCU 113 and POS 113 also meet AZ  
 Constitution teacher certification requirement.

POS 221: Arizona Constitution

0-1 hrs

Take POS 221 to meet AZ Constitution  
 requirement if HIS 103 was taken rather than  
 GCU 113/POS 113.

Lower Division Elective

0-3 hrs

Lower Division Electives should be completed  
 once all other requirements have been met and  
 only if needed to complete community college  
 associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

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## Maricopa Community College District Secondary Education (Chemistry), BAE Pathway 2021-2022

ASU Major: [Secondary Education \(Chemistry\), BAE | Mary Lou Fulton Teachers College](#)

### Pathway Requirements

#### First-Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



0-3 hrs

Recommend selecting a course that satisfies Literacy & Critical Inquiry, Social-Behavioral Sciences, Humanities & Fine Arts, COM, or CRE 101 requirements simultaneously.

#### Mathematical Studies [MA]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I



4-5 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

#### Social-Behavioral Science [SB]

EDU 222: Intro to EXCEPTIONAL LEARNER



3 hrs

GCU 113: United States and Arizona Social Studies or  
POS 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865



3 hrs

GCU 113, HIS 103, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.

#### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory



4-5 hrs

or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and  
CHM 152LL: General Chemistry II  
Laboratory OR



4 hrs

CHM 152AA: General Chemistry II

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements




The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Secondary Education and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Secondary Education (Chemistry) BAE degree program.

Special Requirements: 2.5 GPA in Chemistry concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.



While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Subject Options




MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs 
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics	4 hrs  




**General Education Awareness Areas [C, H, G]**

Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU 113/POS 113.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Laboratory	4 hrs 	
CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory	4 hrs 	
CIS 105: Survey of Computer Information Systems or BPC 110: Computer Usage & Applications or CSC 180: Computer Literacy	3 hrs 	
CFS 176: Child Development or ECH 176: Child Development	3 hrs	
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	
POS 221: Arizona Constitution	0-1 hrs	Take POS 221 to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 for [SB].

**Total Required Credits: 61**

# Pathway Agreement



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## Maricopa Community College District Secondary Education (English), BAE Pathway 2021-2022

ASU Major: [Secondary Education \(English\), BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


ENG 200: READING & WRITING ABOUT  
LITERATURE  3 hrs


#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
higher level course that meets MA  
requirement  3-6 hrs


CSC 180: Computer Literacy or  
CIS 105: Survey of Computer Information  
Systems or  
BPC 110: Computer Usage & Applications   3 hrs

#### Humanities, Arts, and Design [HU]


ENH 221: SURVEY OF ENGLISH  
LITERATURE BEFORE 1800  3 hrs

ENH 222: Survey of English Literature After  
1800  3 hrs


#### Social-Behavioral Science [SB]


EDU 222: Intro to EXCEPTIONAL LEARNER  3 hrs

GCU 113: United States and Arizona Social Studies or  
POS 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865

 3 hrs HIS 103, GCU 113, and POS 113 meet US  
Constitution teacher certification requirement.  
GCU 113 and POS 113 also meet AZ  
Constitution teacher certification requirement.

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Secondary Education and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Secondary Education (English) BAE degree program.

Special Requirements: 2.5 GPA in English concentration courses beyond first-year composition. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Cultural Diversity in the U.S. [C]	0 hrs	Satisfied by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs	Satisfied by ENH 222.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CFS 176: Child Development or ECH 176: Child Development	3 hrs	
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	
ENH 241: American Literature Before 1860	3 hrs	
ENH 242: American Literature After 1860	3 hrs	
POS 221: Arizona Constitution	0-1 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 for [SB].
Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Secondary Education (History), BAE Pathway 2021-2022

ASU Major: [Secondary Education \(History\), BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs COM 225 recommended to also cover Oral Communication.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


CSC 180: Computer Literacy or  
CIS 105: Survey of Computer Information  
Systems or  
BPC 110: Computer Usage & Applications   3 hrs


#### Humanities, Arts, and Design [HU]

HIS 103: United States History to 1865  3 hrs HIS 103 meets US Constitution teacher certification requirement.


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

EDU 222: Intro to EXCEPTIONAL LEARNER  3 hrs

HIS 104: United States History 1865 to  
Present  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by EDU 222.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by HIS 103.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Secondary Education degree and AGECE-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Secondary Education (History) BAE degree program.

Special Requirements: 2.5 GPA in History concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CFS 176: Child Development or  
ECH 176: Child Development

3 hrs

EDU 220: Introduction to Serving English Language Learners (ELL)

3 hrs

EDU 221: Introduction to Education

3 hrs

EDU 230: CULTURAL DIVERSITY IN EDUCATION

3 hrs

HIS 100: HIST OF W CIVILIZATION TO MID AGES or  
HIS 101: HIST OF W CIVILIZATION/MID AGES-1789 or  
HIS 102: HIST OF W CIVILIZATION/1789 TO PRSNT or  
HIS 110: World History to 1500 or  
HIS 111: WORLD HISTORY 1500 TO the PRESENT or  
HIS 253: History of Ireland to 1603 or  
HIS 254: HISTORY OF IRELAND 1603-PRESENT

6 hrs

Select two courses from the list. HIS 110 and HIS 111 are preferred.

HIS 279: Creating and Telling Fact-Based Historical Stories or  
STO 279: Creating and Telling Fact-Based Historical Stories

0-3 hrs

If HIS 279 and STO 279 are not currently offered by Maricopa, HST 130 will need to be completed after transfer to ASU.

POS 221: Arizona Constitution

1 hrs

Related Area Courses 6 hrs Select two ECN/GCU/POS courses

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Secondary Education (Mathematics), BAE Pathway 2021-2022

ASU Major: [Secondary Education \(Mathematics\), BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs COM 225 recommended to also cover Oral Communication

#### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs

BPC 110: Computer Usage and Applications OR   3 hrs ASU recommends BPC 110, CIS 105, or CSC 180

CIS 105: Survey of Computer Information Systems OR

CIS 163AA: Java Programming: Level I OR

CSC 100: Introduction to Computer Science (C++) or  
CSC 100AB: Introduction to Computer Science (C++) OR


CSC 110AA: Introduction to Computer Science (Java) or  
CSC 110AB: Introduction to Computer Science (Java) OR


CSC 150: Programming in C/C++ OR

CSC 180: Computer Literacy OR


CSC 205: Object Oriented Programming and Data Structures or  
CSC 205AA: Object Oriented Programming and Data Structures or  
CSC 205AB: Object Oriented Programming and Data Structures or  
CSC 205AC: Object Oriented Programming and Data Structures or  
CSC 205AD: Object Oriented Programming and Data Structures


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

#### Social-Behavioral Science [SB]

EDU 222: Intro to EXCEPTIONAL LEARNER  3 hrs

GCU 113: United States and Arizona Social Studies or  
POS 113: United States and Arizona Social Studies or  
HIS 103: United States History to 1865  3 hrs HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.

Natural Science [SQ, SG]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Secondary Education degree and AGECE-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Secondary Education (Mathematics) BAE degree program.

2.5 GPA required in Mathematics concentration courses and coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Natural Science [SQ, SG]	4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0 hrs	Satisfied by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs	

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

Additional Lower Division Requirements CFS 176: Child Development or ECH 176: Child Development	3 hrs	
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	
MAT 227: Discrete Mathematical Structures	3 hrs	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations	0-4 hrs	Can be completed after transfer to ASU.
POS 221: Arizona Constitution	0-1 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 for [SB].
Lower Division Elective	0-1 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Secondary Education (Physical Education), BAE Pathway 2021-2022

ASU Major: [Secondary Education \(Physical Education\), BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs Recommend selecting COM 225 to meet [L] and MCCCD Additional Requirement simultaneously.

#### Mathematical Studies [MA, CS]


MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets the MA  
requirement.  3-6 hrs


CIS 105: Survey of Computer Information Systems OR   3 hrs Any [CS] General Studies course can satisfy this requirement.

CSC 180: Computer Literacy OR


BPC 110: Computer Usage & Applications


#### Humanities, Arts, and Design [HU]

EDU 291: Children's Literature or  
ENH 291: Children's Literature  3 hrs EDU 291 is an acceptable MAPP course substitution for TEL 208.



Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

HIS 103: United States History to 1865 or  
POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies  3 hrs HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.

EDU 222: Intro to EXCEPTIONAL LEARNER  3 hrs

#### Natural Science [SQ, SG]

Natural Science [SQ]   4 hrs Select a course that satisfies the [SQ] requirement. BIO 181 recommended.

BIO 201: Human Anatomy and Physiology   4 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Secondary Education and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Secondary Education (Physical Education) BAE degree program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the Professional Pathways Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.



Cultural Diversity in the U.S. [C]	0 hrs	Satisfied by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs	Satisfied by HIS 103 or GCU 113/POS 113.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

BIO 202: Human Anatomy and Physiology	4 hrs	
CFS 176: Child Development or ECH 176: Child Development	3 hrs	
EXS 101: Introduction to Exercise Science	3 hrs	Meets requirement and course prerequisite for the AA, Emphasis in Secondary Education.
EXS 125: Introduction to Exercise Physiology	3 hrs	Meets requirement and course prerequisite for the AA, Emphasis in Secondary Education.
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education or EED 200: Foundations of Early Childhood Education	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	
EXS 215: Fitness for Life	3 hrs	
EXS 217: Cardiorespiratory and Flexibility Training	3 hrs	
HES 100: Healthful Living	3 hrs	Meets requirement and course prerequisite for the AA, Emphasis in Secondary Education.
POS 221: Arizona Constitution	0-1 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 for [SB].

Total Required Credits: 66

# Pathway Agreement



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## Maricopa Community College District Secondary Education (Physics), BAE Pathway 2021-2022

ASU Major: [Secondary Education \(Physics\), BAE | Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First-Year Composition [FYC]



ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  0-3 hrs COM 225 recommended to also cover Oral Communication.

#### Mathematical Studies [MA]


MAT 220: Calculus with Analytic Geometry I  
or  
MAT 221: Calculus with Analytic Geometry I   4-5 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



#### Social-Behavioral Science [SB]

EDU 222: Intro to EXCEPTIONAL LEARNER  3 hrs



HIS 103: United States History to 1865 or  
POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies  3 hrs GCU 113, HIS 103, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.



#### Natural Science [SQ, SG]

PHY 115: University Physics I or  
PHY 121: UNIVERSITY PHYSICS I:  
MECHANICS   4-5 hrs

PHY 116: University Physics II or  
PHY 131: University Physics II: Electricity  
and Magnetism   4-5 hrs

#### Subject Options

MAT 230: Calculus with Analytic Geometry II  
or  
MAT 231: Calculus with Analytic Geometry II   4-5 hrs

MAT 240: Calculus with Analytic Geometry III  
or  
MAT 241: Calculus with Analytic Geometry III   4-5 hrs

General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Secondary Education and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Secondary Education (Physics) BAE degree program.

Special Requirements: 2.5 GPA in Physics concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Cultural Diversity in the U.S. [C]	0 hrs	Satisfied by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs	Satisfied by HIS 103 or GCU 113/POS 113.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CFS 176: Child Development or ECH 176: Child Development	3 hrs	
CIS 105: Survey of Computer Information Systems or BPC 110: Computer Usage & Applications or CSC 180: Computer Literacy	3 hrs	
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	
PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena	4 hrs	
POS 221: Arizona Constitution	0-1 hrs	Take POS 221 to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 for [SB].
Lower Division Elective	0-3 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements, excluding MAT 120/121/122 (non-transferable to ASU).

Total Required Credits: 60





# Pathway Agreement


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## Maricopa Community College District Secondary Education (Political Science), BAE Pathway 2021-2022


ASU Major: [Secondary Education \(Political Science\), BAE | Mary Lou Fulton Teachers College](#)

### Pathway Requirements




<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]		3 hrs COM 225 recommended to also cover Oral Communication.
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement		3-6 hrs
CIS 105: Survey of Computer Information Systems or BPC 110: Computer Usage & Applications or CSC 180: Computer Literacy	 	3 hrs

<b>Humanities, Arts, and Design [HU]</b> HIS Elective		3 hrs Select a course that transfers to ASU as HST Direct Equivalency or Department Elective with HU General Studies designation. This course will count towards the 12 total credit hours for Related Area requirement.
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Humanities, Arts, and Design [HU]		3 hrs
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<b>Social-Behavioral Science [SB]</b> POS 120: World Politics or POS 140: Comparative Government	 	3 hrs
EDU 222: Intro to EXCEPTIONAL LEARNER		3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]		4 hrs Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]		4 hrs
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General Education Awareness Areas [C, H, G]

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Secondary Education and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Secondary Education (Political Science) BAE degree program.

Special Requirements: 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Cultural Diversity in the U.S. [C]	0 hrs	Satisfied by EDU 222.
Historical or Global Awareness [H] or [G]	0 hrs	Satisfied by POS 120 or POS 140.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CFS 176: Child Development or ECH 176: Child Development	3 hrs	
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education	3 hrs	
HIS 103: United States History to 1865 or GCU 113: United States and Arizona Social Studies or POS 113: United States and Arizona Social Studies or POS 220: U.S. and Arizona Constitution	3 hrs	HIS 103, GCU 113, POS 113 meets US Constitution teacher certification requirement. GCU 113, POS 113, GCU 227, or POS 227 also meets AZ Constitution teacher certification requirements.
EDU 230: CULTURAL DIVERSITY IN EDUCATION	3 hrs	
POS 110: American National Government	3 hrs	
POS 210: Political Ideologies	3 hrs	
POS 221: Arizona Constitution	0-1 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU 113, POS 113, GCU 227, POS 227, or POS 220.
Political Science Elective	6 hrs	Select courses from the Course Equivalency Guide that transfer to ASU as POS Direct Equivalency or Department Elective. Determination is made based on the semester and year the course is taken.

Total Required Credits: 62
















# Pathway Agreement

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## Maricopa Community College District Social Justice and Human Rights, BA Pathway 2021-2022

ASU Major: [Social Justice and Human Rights, BA | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 
<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs	
<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs	
<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs	
<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs	
Humanities, Arts, and Design [HU]	3 hrs	
<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs	
Social-Behavioral Science [SB]	3 hrs	
<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs	
Natural Science [SQ, SG]	4 hrs	
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

Select at least one SQ course within the Natural Science requirement.

### Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social Justice and Human Rights, B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

MCCC Additional Requirements

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
<b>Focus Area Courses</b>	0-6 hrs	Select courses to fulfill up to 6 credit hours from one of the following focus areas: Materialism, Intersectionality & Inequality; Advocacy and Social Change; Critical Trauma Studies and Everyday Humanitarianism. Focus Area courses can be taken after transfer.
<b>Lower Division Elective</b>	0-25 hrs	Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

### Track/Groups

#### Focus Area Courses

Focus Area Courses		
ASB 211: Women in Other Cultures	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
AFR 202: Ethnic Relations in the United States or ASB 202: Ethnic Relations in the United States or CCS 202: Ethnic Relations in the United States	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
POS 120: World Politics	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
SOC 251: Social Problems	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
SOC 212: Gender and Society	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
SOC 241: Race and Ethnic Relations	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	Focus Area
Courses		
WST 100: Women and Society	Fulfills 3 credit hours of Materialism, Intersectionality & Inequality Focus Area.	

# Pathway Agreement



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**Maricopa Community College District**  
**Social Work, BSW Pathway**  
**2021-2022**

ASU Major: **Social Work, BSW | College of Public Service and Community Solutions**


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]



Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs



Computer/Statistics/Quantitative Applications  3 hrs Recommend a statistics course.



### Humanities, Arts, and Design [HU]

PHI 101: Introduction to Philosophy or  
 PHI 105: Introduction to Ethics or  
 SWU 183: Introductory Ethics: A Social  
 Service Perspective   3 hrs


Humanities, Arts, and Design [HU]  3 hrs



### Social-Behavioral Science [SB]

PSY 101: Introduction to Psychology or  
 SOC 101: Introduction to Sociology   3 hrs


SWU 182: A Social Services Perspective of  
 Government or  
 POS 110: American National Government   3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]   4 hrs Recommend BIO 156 or BIO 160 or BIO 201.

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by SWU 295.

Historical or Global Awareness [H] or [G]  0 hrs Satisfied by SWU 171.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Social Work degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Social Work, BSW degree program.

Upon transfer to ASU students must complete the following milestones in order to progress in the major: Successful completion of 40 hours of social work-related experiences (SWU 291); and a 2.5 cumulative GPA with at least a C in social work courses ASU-SWU 171, 291, 295 (or equivalent MCCCDC courses). Minimum 3.0 GPA with at least a C in SWU 306, SWU 311, SWU 312, SWU 303, SWU 340, & SWU 374 and a minimum overall GPA of 2.0 in order to advance to 400 level SWU courses.




**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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**Additional Lower Division Requirements**

ECN 211: Macroeconomic Principles or SWU 181: Economics: A Social Issues Perspective	3 hrs 
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BHS 150: Introduction to Behavioral Health and Social Services or SWU 171: Introduction to Social Welfare	3 hrs
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SWU 291: Social Service Delivery Systems	3 hrs
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SWU 295: Effective Helping in a Diverse World	3 hrs
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Interdisciplinary Requirement	6 hrs	Select two classes from at least two of the three Area tracks. The track titles are located in the comments section of each track at the bottom of this page.
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Cultures or Language: Completion of three courses in cultural diversity OR Completion of a language course at the intermediate level (202 or equivalent). Courses completed for Cultures or Language cannot be used to meet other requirements.	0-16 hrs	College Level Examination Program (CLEP) will satisfy language requirement, if 202 level language proficiency is met. Credits must be transferred to ASU Admissions. Cultural Diversity courses can be found in the Course Equivalency Guide.
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Lower Division Elective	0-7 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

**Track/Groups**

**Interdisciplinary Requirement**

Interdisciplinary Requirement	
AJS 101: Introduction To Criminal Justice or AJS 212: Juvenile Justice Procedures or AJS 225: Criminology or AJS 109: Substantive Criminal Law or AJS 270: Community Relations	Interdisciplinary Requirement
PAD 100: 21st Century Public Policy and Service or PAD 200: Public Affairs Economics	Interdisciplinary Requirement
REC 120: Leisure and the Quality of Life	

# Pathway Agreement



Print


**Maricopa Community College District**  
**Social and Behavioral Sciences, BA Pathway**  
**2021-2022**

ASU Major: **Social and Behavioral Sciences, BA | New College of Interdisciplinary Arts and Sciences**


## Pathway Requirements

First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs

Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 OR  
 MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with  
 Review or  
 MAT 156: College Algebra/Functions with  
 Review OR  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 187: Precalculus OR  
 MAT 172: Finite Mathematics

Computer/statistics/quantitative applications  
 (CS)  3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]




## Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



## Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Behavioral Sciences, B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication OR	3 hrs	 
POS 110: American National Government OR		
POS 120: World Politics OR		
PSY 101: Introduction to Psychology OR		
SOC 101: Introduction to Sociology OR		
ASB 102: Introduction to Cultural Anthropology OR		
SSH 111: Sustainable Cities		
Social-Behavioral Science [SB]	3 hrs	

Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirements.
Natural Science [SQ, SG]	4 hrs		

General Education Awareness Areas [C, H, G]		
Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

Additional Lower Division Requirements	9 hrs		Select 9 credits of coursework from ASU prefixes ASB, JHR, POS, SBS or SOC. These courses may simultaneously fulfill any outstanding AGECE requirements. If needed, remaining courses can be completed at ASU.
Program Electives			
Lower Division Elective	0-16 hrs		Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. SBS 200 can be taken after transfer to ASU.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Social and Behavioral Sciences, BS Pathway 2021-2022

ASU Major: [Social and Behavioral Sciences, BS | New College of Interdisciplinary Arts and Sciences](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]



3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
OR



3-8 hrs

MAT 150: College Algebra/Functions or  
MAT 151: College Algebra/Functions or  
MAT 152: College Algebra/Functions or  
MAT 155: College Algebra/Functions with  
Review or  
MAT 156: College Algebra/Functions with  
Review OR

MAT 150: College Algebra/Functions and  
MAT 182: Plane Trigonometry or  
MAT 151: College Algebra/Functions and  
MAT 182: Plane Trigonometry or  
MAT 152: College Algebra/Functions and  
MAT 182: Plane Trigonometry or  
MAT 187: Precalculus OR

MAT 172: Finite Mathematics

Computer/Statistics/Quantitative Applications  
[CS]



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

Humanities, Arts, and Design [HU]



3 hrs

Social-Behavioral Science [SB]




### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Behavioral Sciences, B.S. degree program.

ASU will accept transfer credit for traditionally completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication OR	3 hrs	 
POS 110: American National Government OR		
PSY 101: Introduction to Psychology OR		
SOC 101: Introduction to Sociology OR		
ASB 102: Introduction to Cultural Anthropology OR		
SSH 111: Sustainable Cities		
Social-Behavioral Science [SB]	3 hrs	

Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirements.
Natural Science [SQ, SG]	4 hrs		

General Education Awareness Areas [C, H, G]		
Cultural Diversity in the U.S. [C]	0-3 hrs	
Historical or Global Awareness [H] or [G]	0-3 hrs	

MCCCD Additional Requirements			
COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent.

Additional Lower Division Requirements			
Program Electives	9 hrs		Select 9 credits that transfer to ASU with any of the following prefixes: ASB, JHR, POS, or SOC. These courses may simultaneously fulfill any outstanding AGEC requirements.
Lower Division Elective	0-16 hrs		Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement

Print


## Maricopa Community College District Social and Cultural Analysis (American Studies), BA Pathway 2021-2022


ASU Major: [Social and Cultural Analysis \(American Studies\), BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
WST 100: Women and Society or  
AFR 202: Ethnic Relations in the United States or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement.

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0 hrs Requirement can be satisfied by WST 100 or  
ETH 100.

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (American Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District

### Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA Pathway

2021-2022

ASU Major: [Social and Cultural Analysis \(Ethnicity, Race and Indigenous Studies\), BA](#) | [New College of Interdisciplinary Arts and Sciences](#)


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs


##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


##### Social-Behavioral Science [SB]

AFR 202: Ethnic Relations in the United States or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States or  
WST 100: Women and Society  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement


Social-Behavioral Science [SB]  3 hrs


##### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Requirement can be satisfied by WST 100 or  
ETH 100

Historical or Global Awareness [H] or [G]  0-3 hrs

#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>



**MCCCD Additional Requirements**

COM 100: Introduction to Human  
Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 60**

# Pathway Agreement



Print



## Maricopa Community College District Social and Cultural Analysis (Latin American Studies), BA Pathway 2021-2022

ASU Major: [Social and Cultural Analysis \(Latin American Studies\), BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design  3 hrs


Humanities, Arts, and Design  3 hrs


#### Social-Behavioral Science [SB]

WST 100: Women and Society or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States or  
AFR 202: Ethnic Relations in the United States  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement.


Social-Behavioral Science  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs WST 100 or ETH 100 can also satisfy this  
requirement

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Latin American Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60





# Pathway Agreement


Print


## Maricopa Community College District Social and Cultural Analysis (Peace Studies), BA Pathway 2021-2022


ASU Major: [Social and Cultural Analysis \(Peace Studies\), BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 


Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs	
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Mathematical Studies [MA, CS] MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs	
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Computer/Statistics/Quantitative Applications [CS]	3 hrs	
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Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs	
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
Humanities, Arts, and Design [HU]	3 hrs	
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Social-Behavioral Science [SB] AFR 202: Ethnic Relations in the United States or ASB 202: Ethnic Relations in the United States or CCS 202: Ethnic Relations in the United States or WST 100: Women and Society	3 hrs		WST 100 or ETH 100 can also satisfy the Cultural Diversity in the U.S. (C) requirement
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Social-Behavioral Science [SB]	3 hrs	
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Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs		Select at least one [SQ] within the Natural Science requirement.
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Natural Science [SQ, SG]	4 hrs	
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General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0 hrs		Requirement can be satisfied by WST 100 or ETH 100
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Historical or Global Awareness [H] or [G]	0-3 hrs	
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### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Peace Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences? Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement


Print


## Maricopa Community College District Social and Cultural Analysis (Queer and Sexuality Studies), BA Pathway 2021-2022


ASU Major: [Social and Cultural Analysis \(Queer and Sexuality Studies\), BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements


First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs


Literacy and Critical Inquiry [L]  
Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Analysis  3 hrs

Humanities, Arts, and Design [HU]  
Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
AFR 202: Ethnic Relations in the United States or  
ASB 202: Ethnic Relations in the United States or  
CCS 202: Ethnic Relations in the United States or  
WST 100: Women and Society  3 hrs WST 100 or ETH 100 can also satisfy the  
Cultural Diversity in the U.S. (C) requirement

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C]  0 hrs This requirement can also be satisfied by WST  
100 or ETH 100

Historical or Global Awareness [H] or [G]  0-3 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Queer and Sexuality Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**  
Lower Division Elective

0-25 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 60**

# Pathway Agreement



Print



## Maricopa Community College District Social and Cultural Analysis (Women and Gender Studies), BA Pathway 2021-2022

ASU Major: [Social and Cultural Analysis \(Women and Gender Studies\), BA | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

WST 100: Women and Society  3 hrs


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Satisfied by WST 100.

Historical or Global Awareness [H] or [G]  0-3 hrs

#### MCCCD Additional Requirements

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Women & Gender Studies degree and AGECE-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Social and Cultural Analysis (Women and Gender Studies), BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>



COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Elective 0-25 hrs Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC 205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

**Total Required Credits: 60**

















# Pathway Agreement

Print

**Maricopa Community College District**  
**Sociology, BA Pathway**  
**2021-2022**

ASU Major: [Sociology, BA](#) | [New College of Interdisciplinary Arts and Sciences](#)

## Pathway Requirements

First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 
Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs	
Mathematical Studies [MA, CS] MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs	
Computer/Statistics/Quantitative Applications [CS]	3 hrs	 CJS 105 or BPC 110 is recommended by Maricopa.
Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs	
Humanities, Arts, and Design [HU]	3 hrs	
Social-Behavioral Science [SB] SOC 101: Introduction to Sociology	3 hrs	 
Social-Behavioral Science [SB]	3 hrs	 SOC 212 is recommended.
Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs	 Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs	
General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs	 SOC 212 is recommended.
Historical or Global Awareness [H] or [G]	0-3 hrs	 Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Sociology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Sociology, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Related Area Courses 15 hrs Select five courses (15 hours) that transfer to ASU in the following ASU prefixes: ASB, JHR, POS, PSY, or courses that transfer to ASU with Social Behavioral [SB] designation. May be met within AGECE.

SOC 212: Gender and Society or  
SOC 241: Race and Ethnic Relations or  
SOC 251: Social Problems 3 hrs Will fulfill SOC Elective requirement.



Lower Division Elective 0-7 hrs Within these elective credits, the New College of Interdisciplinary Arts and Sciences' Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

















# Pathway Agreement

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**Maricopa Community College District**  
**Sociology, BS Pathway**  
**2021-2022**

ASU Major: **Sociology, BS | New College of Interdisciplinary Arts and Sciences**

## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 
<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs	
<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or Higher level course that meets MA requirement	3-6 hrs	
<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs	 Maricopa recommends CIS 105 or BPC 110.
<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	3 hrs	
Humanities, Arts, and Design [HU]	3 hrs	
<b>Social-Behavioral Science [SB]</b> SOC 101: Introduction to Sociology	3 hrs	 
<b>Social-Behavioral Science [SB]</b>	3 hrs	 SOC 212 is recommended.
<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs	 Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs	
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs	 SOC 212 is recommended.
Historical or Global Awareness [H] or [G]	0-3 hrs	 Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Sociology degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Sociology, BS degree program

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

SOC 212: Gender and Society OR

3 hrs



SOC 212 is recommended.

SOC 241: Race and Ethnic Relations OR

SOC 251: Social Problems

**Related Area Courses**

12 hrs

Select up to four courses (12 hours) that transfer to ASU in the following ASU prefixes: ASB, JHR, POS, or PSY; or courses that transfer to ASU with Social Behavioral [SB] designation. May be met within AGECE.

**Lower Division Elective**

0-10 hrs

Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC 110 and [CSC 200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.

Total Required Credits: 60

# Pathway Agreement



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**Maricopa Community College District**  
**Sociology, BS Pathway**  
**2021-2022**

ASU Major: [Sociology, BS | College of Liberal Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement.  3-6 hrs

Computer/Statistics/Quantitative Applications [CS]  3 hrs



Maricopa recommends CIS 105 or BPC 110.



### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

SOC 101: Introduction to Sociology   3 hrs


SOC 251: Social Problems or  
 SOC 241: Racial and Ethnic Minorities or  
 SOC 212: Gender and Society   3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs Can be satisfied by SOC 212 or SOC 241.

Historical or Global Awareness [H] or [G]  0-3 hrs Recommend selecting a course that satisfies Historical or Global Awareness [H] or [G] and Social-Behavioral Sciences [SB], or Humanities and Fine Arts [HU] requirements simultaneously.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Emphasis in Sociology degree and AGEC-A. Completion of the MAPP and all special requirements at ASU and guarantees admission to the Sociology,BSdegree program

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

**Related Area Courses**

12 hrs

Select four courses (12 total credits) that transfer to ASU as direct equivalents or Departmental Electives (DEC) in the following ASU prefixes: AFR, APA, CDE, ECN, FAS, GCU, HST, POS, PSY, SOC, TCL, or WST. At least two courses (six credits) must earn Social-Behavioral Sciences (SB) General Studies at ASU.

**Lower Division Elective**

0-13 hrs

At least three credit hours must be used for one of the following courses: SOC 212, SOC 241, or SOC 251 [choose one not already applied above to meet SB]

**Total Required Credits: 60**

# Pathway Agreement



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**Maricopa Community College District**  
**Software Engineering, BS Pathway**  
**2021-2022**

ASU Major: **Software Engineering, BS | Ira A. Fulton Schools of Engineering**


## Pathway Requirements

### First-Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs


### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  0-3 hrs Recommend selecting a course that satisfies a Literacy and Critical Inquiry and a HU, SB, Awareness Areas, COM225 or CRE101 requirements simultaneously.

### Mathematical Studies [MA]


MAT 220: Calculus with Analytic Geometry I or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.



Humanities, Arts, and Design [HU]  3 hrs

### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.



Social-Behavioral Science [SB]  3 hrs



### Natural Science [SQ, SG]

CHM 150: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory or  
 CHM 151: General Chemistry I and  
 CHM 151LL: General Chemistry I Laboratory or  
 CHM 150AA: General Chemistry I and  
 CHM 152: General Chemistry II and  
 CHM 152LL: General Chemistry II Laboratory or  
 CHM 152AA: General Chemistry II OR   8-9 hrs Select a Biology, Chemistry or Physics sequence. Fulfills the SQ/SG Lab Science requirement at ASU.

BIO 181: General Biology (Majors) I and  
 BIO 182: General Biology (Majors) II

### Subject Options

MAT 230: Calculus with Analytic Geometry II or  
 MAT 231: Calculus with Analytic Geometry II   4-5 hrs

MAT 240: Calculus with Analytic Geometry III or  
 MAT 241: Calculus with Analytic Geometry III or  
 MAT 276: Modern Differential Equations or  
 MAT 277: Modern Differential Equations   4-5 hrs Calc III or Differential Equations

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.



## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Science, Emphasis in Computer Science degree and AGEC-S. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Software Engineering,BS degree program.


In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 2.75 cumulative transfer GPA. A total of 64 credit hours will transfer to Arizona State University.







General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs		Awareness Area courses may concurrently satisfy HU, SB or L requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs		

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs		May be shared with AGECE.
CRE 101: College Critical Reading	0-3 hrs		Complete CRE 101 or equivalent. This course can be used in place of the EGR 104 requirement.

Additional Lower Division Requirements

CSC 205: Object Oriented Programming or CSC 205AA: Object Oriented Programming or CSC 205AB: Object Oriented Programming	3-4 hrs		
CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science or CSC 110AB: Intro to Computer Science (JAVA)	3-4 hrs		
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals	4 hrs		This course will meet the SER 232 requirement for Software Engineering.
CSC 240: Introduction to Different Programming Languages	3 hrs		
ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND	4 hrs		The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design or ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)			
EEE 230: COMPUTER ORG & ASSEMBLY LANGUAGE or CSC 230: COMPUTER ORG & ASSEMBLY LANGUAGE	4 hrs		
MAT 227: Discrete Mathematical Structures	3 hrs		
PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS	4-5 hrs		
ECE 104: EPICS Gold I	0-2 hrs		EPICS is Engineering Projects in Community Service. Students who complete ECE 104 may continue the EPICS sequence at ASU. Consult with Engineering faculty and/or STEM advisors to learn more about EPICS.

Total Required Credits: 66

# Pathway Agreement



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**Maricopa Community College District**  
**Spanish, BA Pathway**  
**2021-2022**

ASU Major: [Spanish, BA | New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]


ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs

### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  
 or  
 Higher level course that meets MA  
 requirement  3-6 hrs


Computer/Statistics/Quantitative Applications  
 [CS]  3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs Recommended courses to satisfy HU  
 requirement: SLC 201 or ENG 213.


Humanities, Arts, and Design [HU]  3 hrs


### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs Recommended courses to satisfy [SB]  
 requirement: SLC 201 or ENG 213.


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural  
 Science requirement.

Natural Science [SQ, SG]  4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs Global awareness area [G] met by SPA 201 or  
 SPA 203 or SPA 202 or SPA 204.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Spanish degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Spanish BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent as indicated by assessment.

**Additional Lower Division Requirements**

SPA 101: Elementary Spanish I or  
SPA 101AA: Elementary Spanish I or  
SPA 103: Elementary Spanish for Spanish Speakers I and  
SPA 102: Elementary Spanish II or  
SPA 102AA: Elementary Spanish II or  
SPA 104: Elementary Spanish for Spanish Speakers II OR

4-8 hrs



Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirement courses. Taking the 8 credit SPA 101(AA) AND 102(AA) option is the same as the 4 credit SPA 111 option.

SPA 111: Fundamentals of Spanish

SPA 201: Intermediate Spanish I or  
SPA 203: Spanish for Spanish Speaking Students I

0-4 hrs



SPA 202: Intermediate Spanish II or  
SPA 204: Spanish for Spanish-Speaking Students II

0-4 hrs



Lower Division Elective

0-21 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**





# Pathway Agreement


Print


**Maricopa Community College District**  
**Spanish, BA Pathway**  
**2021-2022**


ASU Major: [Spanish, BA | College of Liberal Arts and Sciences](#)


## Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review or higher level course that meets MA requirement	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> SLC 201: Introduction to Linguistics	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b>	3 hrs 
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 	SLC 201 may be used to satisfy three credits of the [SB] AGEC requirement instead of [HU].
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<b>Social-Behavioral Science [SB]</b>	3 hrs 
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
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<b>Natural Science [SQ, SG]</b>	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0-3 hrs 
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<b>Historical or Global Awareness [H] or [G]</b>	0 hrs 	Satisfied by SPA 201 or SPA 202.
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## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Spanish degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Spanish BA degree program.




2.33 cumulative GPA required in Sun Devil tracking courses: SPA 101, SPA 101AA, SPA 103, SPA 102, SPA 102AA, SPA 104 (or SPA 111 if selected instead of SPA 101 and SPA 102), SPA 201, SPA 202.

This degree can be completed either On-campus or Online. If choosing the On-campus option, students will select one of the following programs of study when transferring to ASU: Spanish Linguistics track or Spanish Literature and Culture track.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

SPA 101: Elementary Spanish I or SPA 101AA: Elementary Spanish I or SPA 103: Elementary Spanish for Spanish Speakers I and SPA 102: Elementary Spanish II or SPA 102AA: Elementary Spanish II or SPA 104: Elementary Spanish for Spanish Speakers II OR  SPA 111: Fundamentals of Spanish	4-8 hrs 	
SPA 201: Intermediate Spanish I	4 hrs 	
SPA 202: Intermediate Spanish II	4 hrs 	Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirement courses.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



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## Maricopa Community College District Special Education and Elementary Education, BAE Pathway 2021-2022

ASU Major: [Special Education and Elementary Education, BAE](#) | [Mary Lou Fulton Teachers College](#)


### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Literacy and Critical Inquiry [L]



COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: Course not found or  
MAT 146: Course not found or  
Higher level course that meets MA requirement

3-5 hrs 


Students must meet one of the following MCCCDD prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152/155/156, or MAT120/121/122 AND 140/141/142, or MAT140/141/142/145/146 AND placement test score to permit enrollment in MAT150/151/152/155/156 or higher.

BPC 110: Computer Usage and Applications or  
CIS 105: Survey of Computer Information Systems or  
CSC 180: Computer Literacy   3 hrs


#### Humanities, Arts, and Design [HU]

ARH 100: Introduction to Art or  
ARH 101: Prehistoric through Gothic Art or  
ARH 102: Renaissance Through Contemporary Art or  
THE 111: Introduction to Theatre or  
DAH 100: Introduction to Dance or  
DAH 201: World Dance Studies or  
DAH 250: Dance in Popular Culture or  
MHL 140: Survey of Music History or  
MHL 145: American Jazz and Popular Music or  
MHL 146: Survey of Broadway Musicals or  
MHL 153: Rock Music and Culture or  
THE 220: Modern Drama

3 hrs  

EDU 291: Children's Literature or  
ENH 291: Children's Literature  3 hrs

#### Social-Behavioral Science [SB]

CFS 176: Child Development or  
ECH 176: Child Development  3 hrs

HIS 103: United States History to 1865 or  
POS 113: United States and Arizona Social Studies or  
GCU 113: United States and Arizona Social Studies

3 hrs 

HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 also meet AZ Constitution teacher certification requirement.

#### Natural Science [SQ, SG]



### Pathway Notes



Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDD Associate of Arts Elementary Education degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education or Elementary Education (Educating Multilingual Learners) or Special Education and Elementary Education BAE degree program and the teacher preparation program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.

Natural Science [SQ, SG]	4 hrs 	Complete a Life Sciences course (choose from BIO prefix).
Natural Science [SQ, SG]	4 hrs 	Complete a Physical or Earth/Space Science Course (choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY). One of the two natural science courses selected must be SQ.

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by EDU 222 or EDU 230.
Historical or Global Awareness [H] or [G]	0 hrs 	Satisfied by HIS 103 or GCU/POS 113.

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	Satisfied by COM 225.
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
EDU 220: Introduction to Serving English Language Learners (ELL)	3 hrs	
EDU 221: Introduction to Education	3 hrs	
EDU 222: Intro to EXCEPTIONAL LEARNER	3 hrs	
EDU 230: Cultural Diversity in Education	3 hrs	
MAT 256: Investigating Quantity: Number, Operations and Numeration Systems	4 hrs	
MAT 257: Investigating Geometry, Probability and Statistics	4 hrs	Required for the Associate in Arts, Elementary Education.
Select any EDU course(s) (except EDU 221, 222, 230 and 250) for 3 credits.	3 hrs	
Select 5 credits from Associate of Arts Elementary Education Content Area Elective options	5 hrs	POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 for [SB].

**Total Required Credits: 63**





















# Pathway Agreement

Print

**Maricopa Community College District**  
**Speech and Hearing Science, BS Pathway**  
**2021-2022**

ASU Major: **Speech and Hearing Science, BS | College of Health Solutions**

## Pathway Requirements

<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 
<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	
<b>Mathematical Studies [MA, CS]</b> MAT 150: College Algebra or MAT 151: College Algebra / Functions or MAT 152: College Algebra / Functions or MAT 155: College Algebra/Functions with Review or MAT 156: College Algebra/Functions with Review	 
PSY 230: Introduction to Statistics or MAT 206: Elements of Statistics	 
<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	
Humanities, Arts, and Design [HU]	
<b>Social-Behavioral Science [SB]</b> PSY 101: Introduction to Psychology	 
Social-Behavioral Science [SB]	
<b>Natural Science [SQ, SG]</b> BIO 160: Introduction to Human Anatomy and Physiology OR BIO 201: Human Anatomy and Physiology I	 
PHY 101: Introduction to Physics OR PHY 111: General Physics I	 
<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	
Historical or Global Awareness [H] or [G]	

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Speech and Hearing Science BS degree program.

Special Requirements: 2.8 GPA in Sun Devil Tracking courses: SLP 214; PSY 101; MAT 187; PSY 230 or MAT 206; BIO 160 or BIO 201; PHY 101 or PHY 111.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: <https://transfer.asu.edu/credits>



**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

SLP 205: Introduction to Communication Disorders 3 hrs

SLP 214: Speech Sound Disorders And Phonetics 0-3 hrs SHS 250 may be taken at ASU in the first term after transfer.

Lower Division Elective 0-21 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement



[Print](#)


**Maricopa Community College District**  
**Sports Science and Performance Programming, BS Pathway**  
**2021-2022**



ASU Major: [Sports Science and Performance Programming, BS | College of Health Solutions](#)



## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

Literacy and Critical Inquiry [L]  
 EXS 290: Introduction to Evidence-Based  
 Practice  3 hrs


Mathematical Studies [MA, CS]  
 MAT 150: College Algebra/Functions or  
 MAT 151: College Algebra/Functions or  
 MAT 152: College Algebra/Functions or  
 MAT 155: College Algebra/Functions with  
 Review or  
 MAT 156: College Algebra/Functions with  
 Review OR  
 MAT 150: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 151: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 152: College Algebra/Functions and  
 MAT 182: Plane Trigonometry or  
 MAT 155: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 156: College Algebra/Functions with  
 Review and  
 MAT 182: Plane Trigonometry or  
 MAT 187: Precalculus   3-6 hrs

PSY 230: Introduction to Statistics or  
 MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social  
 Research/Justice and Government   3 hrs

Humanities, Arts, and Design [HU]  
 Humanities, Arts, and Design [HU]  3 hrs

Humanities, Arts, and Design [HU]  3 hrs

Social-Behavioral Science [SB]  
 PSY 101: Introduction to Psychology   3 hrs

Social-Behavioral Science [SB]  3 hrs




Natural Science [SQ, SG]



## Pathway Notes


Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements



Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Sports Science and Performance Programming BS degree program.

BIO 201: Human Anatomy and Physiology	4 hrs 
CHM 130: Fundamental Chemistry and CHM 130LL: Fundamental Chemistry Laboratory OR	4-5 hrs  
CHM 130AA: Fundamental Chemistry with Lab OR	
CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 150AA: General Chemistry I OR	
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR	
CHM 151AA: General Chemistry I	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs 
Historical or Global Awareness [H] or [G]	0-3 hrs 

MCCCD Additional Requirements COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 
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CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements BIO 202: Human Anatomy and Physiology	4 hrs  
EXS 101: Introduction to Exercise Science, Kinesiology	3 hrs
FON 241: Principles of Human Nutrition or FON 241LL: Principles of Human Nutrition Lab	3 hrs

Lower Division Elective	0-15 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

# Pathway Agreement



[Print](#)



**Maricopa Community College District**  
**Statistics, BS Pathway**  
**2021-2022**

ASU Major: [Statistics, BS](#) | [New College of Interdisciplinary Arts and Sciences](#)


## Pathway Requirements

### First Year Composition [FYC]



ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL   3 hrs

### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]  3 hrs

### Mathematical Studies [MA, CS]

MAT 220: Calculus with Analytic Geometry I  
 or  
 MAT 221: Calculus with Analytic Geometry I   4-5 hrs


CSC 110: Introduction to Computer Science  
 (Java) or  
 CSC 110AA: Introduction to Computer  
 Science (Java) or  
 CSC 110AB: Introduction to Computer  
 Science (Java) 3 hrs


### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]  3 hrs



Humanities, Arts, and Design [HU]  3 hrs



### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


### Natural Science [SQ, SG]

Natural Science [SQ, SG]   4 hrs Select at least one [SQ] within the Natural Science requirement.

Natural Science [SQ, SG]   4 hrs

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs

Historical or Global Awareness [H] or [G]  0-3 hrs


MCCCD Additional Requirements





## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Statistics, BS degree program.

COM 100: Introduction to Human Communication OR	0-3 hrs	
COM 110: Interpersonal Communication OR		
COM 225: Public Speaking OR		
COM 230: Small Group Communication		
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
CSC 200: Principles of Computer Science (Java) or CSC 200AA: Principles of Computer Science (Java) or CSC 200AB: Principles of Computer Science (Java) or CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures or CSC 205AC: Object Oriented Programming and Data Structures or CSC 205AD: Object Oriented Programming and Data Structures	3 hrs	
MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II	4-5 hrs	 
MAT 240: Calculus with Analytic Geometry III or MAT 241: Calculus with Analytic Geometry III	4-5 hrs	 
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60



## Pathway Agreement

[Print](#)

### Maricopa Community College District Supply Chain Management, BS Pathway 2021-2022

ASU Major: [Supply Chain Management, BS | W. P. Carey School of Business](#)

#### Pathway Requirements

##### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL

3 hrs



ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL

3 hrs



##### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

3 hrs



If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective.

##### Mathematical Studies [MA, CS]

MAT 212: Brief Calculus or  
MAT 213: Brief Calculus OR

3-4 hrs



MAT 220: Calculus with Analytic Geometry I or  
MAT 221: Calculus with Analytic Geometry I

CIS 105: Survey of Computer Information Systems

3 hrs



##### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

3 hrs



Humanities, Arts, and Design [HU]

3 hrs



##### Social-Behavioral Science [SB]

ECN 211: Macroeconomic Principles

3 hrs



ECN 212: Microeconomic Principles

3 hrs



##### Natural Science [SQ, SG]

Natural Science [SQ, SG]

4 hrs



Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]

4 hrs



##### General Education Awareness Areas [C, H, G]

#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science admission requirements. A 3.0 cumulative transfer GPA as calculated by ASU Admission Services is required. A 3.0 cumulative ASU GPA is also required for students who previously attended ASU.

Students must also meet one of the following:

- 1230 SAT (March 2016 and after) or 1160 SAT (before March 2016), not including writing portion
- 25 ACT composite, not including writing portion.
- Top 8% high school class rank
- 3.60 unweighted GPA in high school competency courses (A=4.00)

Completion of the MAPP and all admission requirements satisfies the requirements for the MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission into a W. P. Carey Bachelor of Science degree program.

Only 64 credits are transferable to ASU. For more information: <https://transfer.asu.edu/credits>.

Cultural Diversity in the U.S. [C]

0-3 hrs



Historical or Global Awareness [H] or [G]

0-3 hrs

**MCCCD Additional Requirements**

ABUS Business Electives

0-6 hrs

Select two courses (6 hrs) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.

**Additional Lower Division Requirements**

ACC 111: Accounting Principles I and  
ACC 230: Uses of Accounting Informatio and  
ACC 240: Uses of Accounting Information II OR

6-9 hrs



ACC 111: Accounting Principles I and  
ACC 112: Accounting Principles II and  
ACC 212: Managerial Accounting OR

ACC 211: Financial Accounting and  
ACC 212: Managerial Accounting

COM 100: Introduction to Human Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication or  
COM 259: COMM IN BUSINESS & PROFESSIONS

0-3 hrs



If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L].

GBS 205: LEGAL, ETHICAL/REGULATORY ISSUES/BUS

3 hrs

GBS 221: Business Statistics

3 hrs



MAT 217: Mathematical Analysis for Business or  
MAT 218: Mathematical Analysis for Business

3-4 hrs

PSY Course

3 hrs

Select a course that transfers to ASU with the PSY prefix and SB designation. Check the Course Equivalency Guide on [aztransfer.com](http://aztransfer.com) and consult a community college advisor to ensure the course selected meets both requirements.

SOC Course

3 hrs

Select a course that transfers to ASU with the SOC prefix and SB designation. Check the Course Equivalency Guide on [aztransfer.com](http://aztransfer.com) and consult a community college advisor to ensure the course selected meets both requirements.

Lower Division Elective

0-6 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 62**





# Pathway Agreement


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**Maricopa Community College District**  
**Sustainability, BA Pathway**  
**2021-2022**



ASU Major: [Sustainability, BA | School of Sustainability](#)


## Pathway Requirements


First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs		Recommend choosing COM 225 to simultaneously fulfill the MCCCDC Communication Requirement.
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Mathematical Studies [MA, CS] MAT 150: College Algebra/Functions or MAT 151: College Algebra/Functions or MAT 152: College Algebra/Functions or MAT 155: College Algebra/Functions with Review or MAT 156: College Algebra/Functions with Review	3-6 hrs		MAT 117 (College Algebra/Functions) satisfies the prerequisite for SOS 101 (the required math course at ASU) and meets community college associate degree requirements.
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MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government or GBS 221: Business Statistics OR	3 hrs	 	PSY 230 is an approved substitution for ASU's STP 226.
PSY 230: Introduction to Statistics			

Humanities, Arts, and Design [HU] SSH 111: Sustainable Cities	3 hrs		SSH 111 can meet [HU] or [SB], but not both.
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Humanities, Arts, and Design [HU]	3 hrs	
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Social-Behavioral Science [SB] SUS 110: Sustainable World	3 hrs	
Social-Behavioral Science [SB]	3 hrs	

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs		

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0-3 hrs		
Historical or Global Awareness [H] or [G]	0 hrs		Satisfied by SSH 111.

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Sustainability and Environmental Studies degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Sustainability, BA degree program.

A 3.0 Transfer GPA is required for admission to the Sustainability BA program. All courses must be completed with a grade of "C" or better.



**MCCCD Additional Requirements**



COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

SUS 231: Careers in Sustainability 1 hrs

SUS 232: Professional Skills in Sustainability Practice 3 hrs  
 

Second Language: Requirement satisfied through the following:  
Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs

Foreign Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective 0-21 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**





# Pathway Agreement


Print


## Maricopa Community College District Sustainability, BS Pathway 2021-2022


ASU Major: [Sustainability, BS](#) | [School of Sustainability](#)


### Pathway Requirements


First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	 


Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	 3 hrs	Recommend choosing COM 225 to simultaneously fulfill the MCCCDC Communication Requirement.
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Mathematical Studies [MA, CS] MAT 150: College Algebra/Functions or MAT 151: College Algebra/Functions or MAT 152: College Algebra/Functions or MAT 155: College Algebra/Functions with Review or MAT 156: College Algebra/Functions with Review	 3-6 hrs	MAT117 (College Algebra/Functions) satisfies the prerequisite for the first of three math courses required for the BS degree in Sustainability after transferring to ASU. It also meets the associate degree math requirement.
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Computer/Statistics/Quantitative Analysis	 
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Humanities, Arts, and Design [HU] SSH 111: Sustainable Cities	 3 hrs	SSH 111 can meet [HU] or [SB], but not both.
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Humanities, Arts, and Design [HU]	 3 hrs
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Social-Behavioral Science [SB] SUS 110: Sustainable World	 3 hrs
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Social-Behavioral Science [SB]	 3 hrs
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Natural Science [SQ, SG] Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
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Natural Science [SQ, SG]	 4 hrs
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General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	 0-3 hrs
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Historical or Global Awareness [H] or [G]	 0 hrs	Satisfied by SSH 111.
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MCCCDC Additional Requirements




### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Sustainability and Environmental Studies degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Sustainability, BS degree program.

A 3.0 Transfer GPA is required for admission to the Sustainability BS program. All courses must be completed with a grade of "C" or better.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
SUS 231: Careers in Sustainability	1 hrs	
SUS 232: Professional Skills in Sustainability Practice	3 hrs  	
Second Language: Requirement satisfied through the following: Completion of a language course at the second semester (102 or equivalent), including American Sign Language II.	0-8 hrs	Foreign Language Requirement: Select 101, 102 as needed to reach 2nd semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	1-21 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Sustainable Food Systems, BS Pathway 2021-2022

ASU Major: [Sustainable Food Systems, BS | School of Sustainability](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

3 hrs

#### Mathematical Studies [MA, CS]

MAT 150: College Algebra/Functions or  
MAT 151: College Algebra/Functions or  
MAT 151AA: College Algebra/Functions I or  
MAT 151AB: College Algebra/Functions II or  
MAT 151AC: College Algebra/Functions III or  
MAT 151AD: College Algebra/Functions IV or  
MAT 152: College Algebra/Functions or  
MAT 155: College Algebra/Functions with Review or  
MAT 156: College Algebra/Functions with Review

3-6 hrs



Satisfies the prerequisite for the first of three math courses required for the BS degree in Sustainable Food Systems after transferring to ASU. Also meets the associate degree math requirement.

Computer/Statistics/Quantitative Analysis

3 hrs

#### Humanities, Arts, and Design [HU]

SSH 111: Sustainable Cities

3 hrs

SSH 111 can meet [HU] or [SB], but not both. Also meets Global Awareness [G] requirement. If applied to [SB], meet this [HU] requirement with another course.

Humanities, Arts, and Design [HU]

3 hrs

#### Social-Behavioral Science [SB]

SUS 110: Sustainable World

3 hrs

Social-Behavioral Science [SB]

3 hrs

See note on SSH 111 above.

#### Natural Science [SQ, SG]

CHM 130: Fundamental Chemistry and  
CHM 130LL: Fundamental Chemistry  
Laboratory or  
CHM 130AA: Fundamental Chemistry with  
Lab OR



4-5 hrs

CHM 150: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 150AA: General Chemistry I or  
CHM 151: General Chemistry I and  
CHM 151LL: General Chemistry I Laboratory  
or  
CHM 151AA: General Chemistry I

Natural Science [SQ, SG]

4 hrs

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


A 3.0 Transfer GPA is required for admission to the Sustainable Food Systems BS program. All courses must be completed with a grade of "C" or better.

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Sustainable Food Systems BS program.

General Education Awareness Areas [C, H, G]  
Cultural Diversity in the U.S. [C] 0-3 hrs

Historical or Global Awareness [H] or [G]	0 hrs	Satisfied by SSH 111.
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MCCCD Additional Requirements

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
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CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
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Additional Lower Division Requirements

FON 241: Principles of Human Nutrition OR  FON 241: Principles of Human Nutrition and FON 241LL: Principles of Human Nutrition Laboratory	3-4 hrs	If both lecture and lab are completed, this may be applied to Natural Science [SG].
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SUS 231: Careers in Sustainability	1 hrs	Course is only offered online at Mesa Community College
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Second Language: Requirement satisfied through the following: Completion of a language course at the second semester (102 or equivalent), including American Sign Language II.	0-8 hrs	Foreign Language Requirement: Select 101, 102 as needed to reach 2nd semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
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Focus area: Ecosystem Science	0-4 hrs	Select a course from one focus area: Ecosystem Science, Educational Leadership, Global Engagement, Policy & Governance, Procurement, Public Health & Nutrition
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Focus area: Educational Leadership	0-3 hrs	Select a course from one focus area: Ecosystem Science, Educational Leadership, Global Engagement, Policy & Governance, Procurement, Public Health & Nutrition
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Focus area: Global Engagement	0-6 hrs	Select a course from one focus area: Ecosystem Science, Educational Leadership, Global Engagement, Policy & Governance, Procurement, Public Health & Nutrition
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Focus area: Policy & Governance	0-3 hrs	Select a course from one focus area: Ecosystem Science, Educational Leadership, Global Engagement, Policy & Governance, Procurement, Public Health & Nutrition
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Focus area: Procurement	0-3 hrs	Select a course from one focus area: Ecosystem Science, Educational Leadership, Global Engagement, Policy & Governance, Procurement, Public Health & Nutrition
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Focus area: Public Health & Nutrition	0-3 hrs	Select a course from one focus area: Ecosystem Science, Educational Leadership, Global Engagement, Policy & Governance, Procurement, Public Health & Nutrition
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Skills Electives	6 hrs	Select 6 credits of skills electives listed at the bottom of this page.
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Lower Division Elective	15 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.
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Total Required Credits: 60

**Track/Groups**

Focus area: Ecosystem Science

**Focus area: Ecosystem Science**

BIO 100: Biology Concepts or  
BIO 102: Cells to Systems: An Introduction to  
Biology for Non-Majors OR

BIO 207: Applied Plant Taxonomy OR

BIO 270: Sustainable Biological Systems OR

BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II OR

AST 106: Life in the Universe or  
AST 106: Life in the Universe and  
AST 107: Life in the Universe Laboratory or  
GLG 106: Life in the Universe or

GLG 106: Life in the Universe and  
GLG 107: Life in the Universe Laboratory

Focus area: Educational Leadership

Focus area: Educational Leadership

CFS 176: Child Development or  
ECH 176: Child Development OR

CFS 205: Human Development OR

CFS 235: Developing Child: Theory into Practice,  
Prenatal - Age 8 or  
EED 205: The Developing Child: Prenatal to Age  
Eight OR

EDU 221: Introduction to Education or  
EED 200: Foundations of Early Childhood  
Education OR

CFS 123: Health and Nutrition In Early Childhood  
Settings or  
CFS 125: Safety in Early Childhood Settings or  
EED 215: Early Learning: Health, Safety, Nutrition  
and Fitness OR

HON 201: Leadership Development: Historical and  
Contemporary Perspectives or  
MGT 229: Management and Leadership I OR

MGT 230: Management and Leadership II

Focus area: Global Engagement

Focus area: Global Engagement

AIS 105: Introduction to American Indian Studies or  
SOC 105: Introduction to American Indian Studies  
OR

GCU 121: World Geography I: Eastern Hemisphere  
and  
GCU 122: World Geography II: Western  
Hemisphere OR

POS 120: World Politics OR

POS 125: Issues in World Politics

Focus area: Policy & Governance

Focus area: Policy & Governance

PAD 200: Public Affairs Economics OR

POS 115: Issues in American Politics OR

POS 130: State and Local Government

Focus area: Procurement

Focus area: Procurement

FON 142AB: Science of Food or  
FST 263: Principles of Food Science or  
HRM 240: Commercial Food Production

Focus area: Public Health & Nutrition

Focus area: Public Health & Nutrition

ASB 100: Introduction to Global Health OR

BIO 100: Biology Concepts or  
BIO 102: Cells to Systems: An Introduction to  
Biology for Non-Majors OR

BIO 182: General Biology (Majors) II or  
BIO 182XT: General Biology (Majors) II OR

FON 142AB: Science of Food or  
FST 263: Principles of Food Science or  
HRM 240: Commercial Food Production OR

HCR 230: Culture and Health or  
HES 210: Cultural Aspects of Health and Illness

Skills Electives

Skills Electives

COM 225: Public Speaking OR

ECN 211: Macroeconomic Principles OR

ECN 212: Microeconomic Principles OR

ENG 216: Persuasive Writing on Public Issues OR

GIS 205: Geographic Information Technologies OR

GIS 211: Geographic Information Science I OR

SUS 232: Professional Skills in Sustainability  
Practice





# Pathway Agreement


[Print](#)


**Maricopa Community College District**  
**Technical Communication, BS Pathway**  
**2021-2022**


ASU Major: [Technical Communication, BS](#) | [College of Integrative Sciences and Arts](#)



## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs	A higher-level course that meets [MA] requirement is also acceptable.
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs
Social-Behavioral Science [SB]	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technical Communication, BS degree program.



COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

<p>Related Area Course</p>	<p>3 hrs</p>	<p>Lower Division Related area course: Select a course that transfers to ASU as a direct equivalent or departmental elective credit (DEC) in any of the following ASU prefixes: AFR, AIS, ASB, CCS, COM, EDP, ENG, EXW, FAS, FIN, FMS, GCU, GIT, GPH, HST, MGT, MKT, PSY, PHI, POS, REL, SOC, WST.</p>
<p>Lower Division Elective</p>	<p>8-22 hrs</p>	<p>Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.</p>

Total Required Credits: 60





# Pathway Agreement


[Print](#)


**Maricopa Community College District**  
**Technical Communication (User Experience), BS Pathway**  
**2021-2022**


ASU Major: [Technical Communication \(User Experience\), BS](#) | College of Integrative Sciences and Arts



## Pathway Requirements




<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 	A higher-level course that meets [MA] requirement is also acceptable.
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs
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<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs
Humanities, Arts, and Design [HU]	 3 hrs

<b>Social-Behavioral Science [SB]</b> PSY 101: Introduction to Psychology	  3 hrs
Social-Behavioral Science	 3 hrs

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	4 hrs 	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs


MCCCD Additional Requirements

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technical Communication (User Experience), BS degree program.

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

<b>Additional Lower Division Requirements</b>		
INT 235: Universal Design	0-3 hrs	The course applies towards ASU's Concentration Elective requirement
Related Area Course	3 hrs	Select a course that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor ( <a href="https://cisa.asu.edu/advising">https://cisa.asu.edu/advising</a> ).
Lower Division Elective	4-22 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**





# Pathway Agreement


[Print](#)



**Maricopa Community College District**  
**Technological Entrepreneurship and Management, BS Pathway**  
**2021-2022**



ASU Major: [Technological Entrepreneurship and Management, BS | Ira A. Fulton Schools of Engineering](#)


## Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	 3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 212: Brief Calculus or MAT 213: Brief Calculus OR	  3-4 hrs
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I	
CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Introduction to Computer Science (Java)	3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs	Recommend selecting [HU] course that also meets Cultural Diversity in the U.S. [C].
Humanities, Arts, and Design [HU]	 3 hrs	Recommend selecting [HU] course that also meets Historical Awareness [H].

<b>Social-Behavioral Science [SB]</b> PSY 101: Introduction to Psychology	 3 hrs	
Social-Behavioral Science [SB]	3 hrs	Combine with Historical Awareness [H] to meet ASU requirement.

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs
Historical or Global Awareness [H] or [G]	 0-3 hrs

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technological Entrepreneurship and Management, BS degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

CIS 286: Technology Team Peer Mentorship 3 hrs

ECE 102: Engineering Analysis Tools and Techniques or  
 ECE 102AA: Engineering Analysis Tools and Techniques AND



4 hrs

The combination of these two courses transfers as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.

ECE 103: Engineering Problem Solving and Design or  
 ECE 103AB: Engineering Problem Solving and Design or  
 ECE 103EP: Engineering Problem Solving and Design (with EPICS projects)

EPS 150: Introduction to Entrepreneurship or  
 MGT 253: Owning and Operating a Small Business

3 hrs

EPS 165: New Venture Feasibility Analysis 2 hrs

MAT 206: Elements of Statistics or  
 SWU 225: Statistics for Social Research/Justice and Government or  
 GBS 221: Business Statistics or  
 PSY 230: Introduction to Statistics



3 hrs

STEM Elective 6 hrs Select two courses (six credit hours) from the following: EPS 162 (recommended by ASU), courses that transfer to ASU in the following prefixes: EGR, GIT, IFT. Consult with an academic advisor in The Polytechnic School to review the recommended course list.

Lower Division Elective 0-4 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement





Print

**Maricopa Community College District**  
**Theatre, BA Pathway**  
**2021-2022**



ASU Major: **Theatre, BA | Herberger Institute for Design and the Arts**

## Pathway Requirements



### First Year Composition [FYC]

ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs	 
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs	 

### Literacy and Critical Inquiry [L]

THE 220: Modern Drama	3 hrs	 	THE 220 can count as [L] or [HU], but not both.
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### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs	
Computer/Statistics/Quantitative Applications [CS]	3 hrs	

### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]	3 hrs		HUM/THF 205 Introduction to Cinema (3) OR HUM/THF 210 Contemporary Cinema (3) is required for the AAFA, Emphasis in Theatre.
Humanities, Arts, and Design [HU]	3 hrs		THE 111 Introduction to Theatre (3) is required for required for the AAFA, Emphasis in Theatre.

### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]	3 hrs		It is recommended to select a course which satisfies [SB] and awareness area [C, H, or G] requirements simultaneously.
Social-Behavioral Science [SB]	3 hrs		

### Natural Science [SQ, SG]

Natural Science [SQ, SG]	4 hrs		Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs		

### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]	0-3 hrs		[C] can be used to simultaneously satisfy other AGEC requirements.
Historical or Global Awareness [H] or [G]	0-3 hrs		[H] and [G] can be used to simultaneously satisfy other AGECE requirements.

MCCCD Additional Requirements


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Fine Arts, Emphasis in Theatre degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Theatre, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading and Critical Thinking	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
THP 112: Acting I	3 hrs	
THP 213: Intro to Technical Theatre	3 hrs	
THP 214: Directing Techniques	3 hrs	
THP 217: Intro to Design Scenography	3 hrs	
THP 201AA: Theatre Production I	0-1 hrs	Can be taken after transfer to ASU.
Lower Division Elective	0-13 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement

Print

## Maricopa Community College District Theatre (Acting), BA Pathway 2021-2022

ASU Major: [Theatre \(Acting\), BA | Herberger Institute for Design and the Arts](#)

### Pathway Requirements

#### First Year Composition [FYC]

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL



3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL



3 hrs

#### Literacy and Critical Inquiry [L]

THE 220: Modern Drama



3 hrs

THE 220 can count as [L] or [HU], but not both.

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review



3-6 hrs

Computer/Statistics/Quantitative Applications  
[CS]



3 hrs

#### Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]



3 hrs

HUM/THF 205 Introduction to Cinema (3) OR  
HUM/THF 210 Contemporary Cinema (3) is  
required for the AAFA, Emphasis in Theatre.

Humanities, Arts, and Design [HU]



3 hrs

THE 111 Introduction to Theatre (3) is required  
for required for the AAFA, Emphasis in Theatre.

#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]



3 hrs

COM 100 or COM 110 or COM 230 is required  
for the AAFA, Emphasis in Theatre.

Social-Behavioral Science [SB]



3 hrs

It is recommended to select a course which  
satisfies [SB] and awareness area [C, H, or G]  
requirements simultaneously.

#### Natural Science [SQ, SG]

Natural Science [SQ, SG]



4 hrs

Select at least one SQ within the Natural  
Science requirement.

Natural Science [SQ, SG]



4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]



0-3 hrs

[C] can be used to simultaneously satisfy other  
AGEC requirements.

Historical or Global Awareness [H] or [G]



0-3 hrs

[H] and [G] can be used to simultaneously  
satisfy other AGECE requirements.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.


### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Fine Arts, Emphasis in Theatre degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Theatre, BA degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

MCCCDC Additional Requirements



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 230: Small Group Communication	0-3 hrs	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
COM 271: Voice and Diction or THP 271: Voice and Diction	3 hrs	
THP 102: Theatre Service Practicum or THP 201AA: Theatre Production I or THP 202: Theatre Production Projects or THP 202AA: Theatre Production I Scene Shop or THP 202AB: Theatre Production I Electrics or THP 202AD: Theatre Production Advanced Projects or THP 268: Opportunities in Production	1 hrs	
THP 112: Acting I	3 hrs	
THP 131: Stage Movement	3 hrs	
THP 212: Acting II	3 hrs	
THP 213: Intro to Technical Theatre	4 hrs	
THP 214: Directing Techniques	3 hrs	
THP 217: Intro to Design Scenography	3 hrs	
Lower Division Elective	0-3 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements. THF115 Makeup for Stage and Screen (3 credits) is recommended because it is required for the AAFA, Emphasis in Theatre degree.

Total Required Credits: 61





# Pathway Agreement

Print



## Maricopa Community College District Theatre (Design and Production), BA Pathway 2021-2022



ASU Major: [Theatre \(Design and Production\), BA | Herberger Institute for Design and the Arts](#)



### Pathway Requirements



<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	  3 hrs
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	  3 hrs



<b>Literacy and Critical Inquiry [L]</b> THE 220: Modern Drama	  3 hrs
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	 3-6 hrs
<b>Computer/Statistics/Quantitative Applications [CS]</b>	 3 hrs

<b>Humanities, Arts, and Design [HU]</b> Humanities, Arts, and Design [HU]	 3 hrs	HUM/THF 205 Introduction to Cinema OR HUM/THF 210 Contemporary Cinema is required for the AAFA, Emphasis in Theatre.
Humanities, Arts, and Design [HU]	 3 hrs	THE 111 Introduction to Theatre is required for required for the AAFA, Emphasis in Theatre.

<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	 3 hrs	It is recommended to select a course which satisfies [SB] and awareness area [C, H, or G] requirements simultaneously.
Social-Behavioral Science [SB]	 3 hrs	

<b>Natural Science [SQ, SG]</b> Natural Science [SQ, SG]	 4 hrs	Select at least one SQ within the Natural Science requirement.
Natural Science [SQ, SG]	 4 hrs	

<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	 0-3 hrs	[C] can be used to simultaneously satisfy other AGEC requirements.
Historical or Global Awareness [H] or [G]	 0-3 hrs	[H] and [G] can be used to simultaneously satisfy other AGEC requirements.

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Fine Arts, Emphasis in Theatre degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Theatre (Design and Production), BA degree program.

MCCCDC Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

THP 112: Acting I 3 hrs

THP 201AA: Theatre Production I 0-1 hrs

THP 213: Intro to Technical Theatre 3 hrs

THP 214: Directing Techniques 3 hrs

THP 217: Intro to Design Scenography 3 hrs

Lower Division Elective 0-13 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

**Total Required Credits: 60**

# Pathway Agreement



Print



## Maricopa Community College District Theory and Composition (Theory), BMUS Pathway 2021-2022

ASU Major: [Theory and Composition \(Theory\), BMUS | Herberger Institute for Design and the Arts](#)


### Pathway Requirements

#### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL  3 hrs 


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL  3 hrs 

#### Literacy and Critical Inquiry [L]


COM 225: Public Speaking  3 hrs

#### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  
or  
Higher level course that meets MA  
requirement  3-6 hrs


MTC 180: Computer Literacy for Musicians  3 hrs


#### Humanities, Arts, and Design [HU]

MHL 194: Music and Culture  3 hrs MHL 194 also fulfills Global [G] awareness area.  
Can be taken after transfer to ASU.


Humanities, Arts, and Design [HU]  3 hrs


#### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs It is recommended to select a course which  
satisfies [SB] and awareness area [C or H]  
requirements simultaneously.


Social-Behavioral Science [SB]  3 hrs


#### Natural Science [SQ, SG]

Natural Science [SQ, SG]  4 hrs Select at least one [SQ] within the Natural  
Science requirement.

Natural Science [SQ, SG]  4 hrs

#### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs [C] could be combined with [HU], [SB], or [L].

Historical or Global Awareness [H] or [G]  0 hrs General Education Awareness Area [G]: Met by  
MHL 194; [H] could be combined with [SB].

### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements


Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and with a successful audition guarantees admission to the Theory & Composition (Theory) degree program.

Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to the following website for an application and audition deadlines: <http://music.asu.edu/admissions>



Students wishing to pursue a Bachelor of Music Degree including the BM Theory & Composition in Theory should meet with a Herberger Advisor to discuss audition preparation by their third term of study at the community college. The Bachelor of Music degree requires successful completion of an audition demonstrating a high level of musicianship and may require more than 2 years of study at ASU. MHL 241 and MHL 242: Transferring students who have completed MHL 241 and/or 242 are not required to take MHL 341 and/or 342 at ASU. Students who take these courses may elect alternate upper division MHL courses at ASU (MHL 439 or MHL 440 recommended).

Piano proficiency at ASU: Proficiency exam requirements are found at <https://music.asu.edu/resources/new-students/c> Transferring students are advised to take the piano proficiency exam immediately upon transfer to ASU.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0 hrs 	COM 225 satisfies [L] and COM requirements simultaneously.
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

MTC 105: Music Theory I and MTC 106: Aural Perception I	4 hrs	
MTC 155: Music Theory II and MTC 156: Aural Perception II	4 hrs	
MTC 205: Music Theory III and MTC 206: Aural Perception III	4 hrs 	
MTC 255: Music Theory IV and MTC 256: Aural Perception IV	4 hrs 	
MUP 102: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 152: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 202: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 252: Private Instruction	2 hrs	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.
MUP 209: Elements of Conducting	2 hrs	

Total Required Credits: 61

# Pathway Agreement



[Print](#)



## Maricopa Community College District Tourism Development and Management, BS Pathway 2021-2022

ASU Major: [Tourism Development and Management, BS](#) | College of Public Service and Community Solutions


### Pathway Requirements

#### First Year Composition

ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

#### Mathematical Studies


MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs

#### Humanities, Arts, and Design


Humanities, Arts, and Design [HU]  3 hrs

#### Social-Behavioral Science


GCU 121: World Geography I: Eastern  
Hemisphere or  
GCU 122: World Geography II: Western  
Hemisphere 3 hrs

REC 120: Leisure and the Quality of Life  3 hrs

#### Natural Science

Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

#### MCCCD Additional Requirements

COM 225: Public Speaking  3 hrs Meets COM requirement for the AAS and Literacy and Critical Inquiry requirement for the BS.

CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

#### Additional Lower Division Requirements

ACC 111: Accounting Principles I 3 hrs Scottsdale Community College accepts ACC 211 to meet the HRM 265 requirement.

HRM 110: Introduction to Hospitality and  
Tourism Management 3 hrs

HRM 145: Events Management 3 hrs

HRM 146: International Meetings,  
Conventions and Exhibitions 3 hrs

HRM 150: Hospitality and Tourism  
Information Systems I 3 hrs

### Pathway Notes

There are no notes for this pathway

### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for the Scottsdale Community College Associate in Applied Science (AAS) in Hospitality: Tourism Development and Management, meets major map requirements at ASU, and guarantees admission to the Tourism Development and Management, Tourism Development and Management (Meetings and Events), Tourism Development and Management (Resort and Hotel Leadership), or Tourism Development and Management (Sustainable Tourism) BS degree program.

Completion of the AAS degree and AGEC-A (Arizona General Education Curriculum- Arts) is the recommended transfer pathway, allowing students to transfer and apply up to 64 credits toward the BS degree at ASU. Students also have the option to transfer with an Associate in Arts degree. Please note that the AAS is only offered at Scottsdale Community College, and the AA is offered at all ten Maricopa Community Colleges. Consult an academic advisor to discuss the option that best meets your educational and career goals.

HRM 160: Tourism Principles And Practices	3 hrs	
HRM 250: Hospitality And Tourism Information Systems II	3 hrs	
HRM 260: Hospitality Human Resource Management	3 hrs	
HRM 270: Hospitality Marketing	3 hrs	
HRM 280: Hospitality and Tourism Law	3 hrs	
HRM 290: Ecotourism	3 hrs	
REC 210: Leisure Delivery Systems	3 hrs	
Lower Division Elective	0-3 hrs	Complete elective credits only if needed to reach the 61 credit minimum required for the AAS degree. May be taken before (recommended) or after transferring.

Total Required Credits: 64

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## Maricopa Community College District


### Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA Pathway


2021-2022


ASU Major: [Transborder Chicana/o and Latina/o Studies \(Media and Expressive Culture\), BA | College of Liberal Arts and Sciences](#)


#### Pathway Requirements


<b>First Year Composition [FYC]</b> ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  


<b>Literacy and Critical Inquiry [L]</b> Literacy and Critical Inquiry [L]	3 hrs 
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<b>Mathematical Studies [MA, CS]</b> MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
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<b>Computer/Statistics/Quantitative Applications [CS]</b>	3 hrs 
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<b>Humanities, Arts, and Design [HU]</b> CCS 101: Chicana and Chicano Studies	3 hrs 	CCS 101 can be used to satisfy 3 credit hours of the Humanities [HU] requirement, the Cultural Awareness [C] area, and a TCL elective for the major.
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<b>Humanities, Arts, and Design [HU]</b>	3 hrs 
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<b>Social-Behavioral Science [SB]</b> Social-Behavioral Science [SB]	3 hrs 
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<b>Social-Behavioral Science [SB]</b>	3 hrs 
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<b>Natural Science [SQ, SG]</b> Natural Science [SQ]	4 hrs 	Select at least one SQ within the Natural Science requirement.
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<b>Natural Science [SQ or SG]</b>	4 hrs 
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<b>General Education Awareness Areas [C, H, G]</b> Cultural Diversity in the U.S. [C]	0 hrs 	Met by CCS 101.
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<b>Historical or Global Awareness [H] or [G]</b>	0-3 hrs 
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#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o & Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy & Economy, or Media and Expressive Culture) BA



COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. 0-16 hrs Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. TCLS majors are expected to fulfill the college's language requirement in Spanish prior to transfer. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.

Lower Division Elective 0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

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## Maricopa Community College District

### Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA Pathway 2021-2022

ASU Major: [Transborder Chicana/o and Latina/o Studies \(Transborder Community Development and Health\), BA](#) | College of Liberal Arts and Sciences


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry  3 hrs


##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications  
[CS]  3 hrs


##### Humanities, Arts, and Design [HU]

CCS 101: Chicana and Chicano Studies  3 hrs CCS 101 can be used to satisfy 3 credit hours of the humanities [HU] requirement, the Cultural Awareness [C] area and a TCL elective for the major.


Humanities, Arts, and Design  3 hrs


##### Social-Behavioral Science [SB]

Social-Behavioral Science  3 hrs


Social-Behavioral Science  3 hrs


##### Natural Science [SQ, SG]

Natural Science [SQ]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ or SG]  4 hrs

##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0 hrs Met by CCS 101

Historical or Global Awareness [H] or [G]  0-3 hrs

#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o & Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy & Economy, or Media and Expressive Culture) BA

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



0-3 hrs

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

0-16 hrs

Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. TCLS majors are expected to fulfill the college's language requirement in Spanish prior to transfer. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.

Lower Division Elective

0-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

**Total Required Credits: 60**

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## Maricopa Community College District

### Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA Pathway 2021-2022

ASU Major: [Transborder Chicana/o and Latina/o Studies \(US and Mexican Regional Immigration Policy and Economy\), BA](#) | College of Liberal Arts and Sciences


#### Pathway Requirements

##### First Year Composition [FYC]


ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs


ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs

##### Literacy and Critical Inquiry [L]


Literacy and Critical Inquiry [L]  3 hrs


##### Mathematical Studies [MA, CS]

MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


Computer/Statistics/Quantitative Applications [CS]  3 hrs


##### Humanities, Arts, and Design [HU]

CCS 101: Chicana and Chicano Studies  3 hrs CCS 101 can be used to satisfy 3 credit hours of the humanities [HU] requirement, the Cultural Awareness [C] area and a TCL elective for the major.


Humanities, Arts, and Design [HU]  3 hrs


##### Social-Behavioral Science [SB]

Social-Behavioral Science [SB]  3 hrs


Social-Behavioral Science [SB]  3 hrs


##### Natural Science [SQ, SG]

Natural Science [SQ]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ or SG]  4 hrs

##### General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]  0-3 hrs 3 hrs [C] met by CCS 101

Historical or Global Awareness [H] or [G]  0-3 hrs

#### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

#### Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o & Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy & Economy, or Media and Expressive Culture) BA

MCCCD Additional Requirements

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication

0-3 hrs



CRE 101: College Critical Reading

0-3 hrs

Complete CRE 101 or equivalent.

Additional Lower Division Requirements

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

0-16 hrs

Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. TCLS majors are expected to fulfill the college's language requirement in Spanish prior to transfer. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course.

Lower Division Elective

0-25 hrs

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60


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**Maricopa Community College District**  
**Urban Planning, BSP Pathway**  
**2021-2022**


ASU Major: [Urban Planning, BSP](#) | College of Liberal Arts and Sciences


## Pathway Requirements


First Year Composition [FYC]  
 ENG 101: First-Year Composition or  
 ENG 107: First-Year Composition for ESL  3 hrs


ENG 102: First-Year Composition or  
 ENG 108: First-Year Composition for ESL  3 hrs


Literacy and Critical Inquiry [L]  
 Literacy and Critical Inquiry [L]  3 hrs


Mathematical Studies [MA, CS]  
 MAT 140: College Mathematics or  
 MAT 141: College Mathematics or  
 MAT 142: College Mathematics or  
 MAT 145: College Mathematics with Review  
 or  
 MAT 146: College Mathematics with Review  3-6 hrs


GIS 205: Geographic Information  
 Technologies  3 hrs


Humanities, Arts, and Design [HU]  
 SSH 111: Sustainable Cities  3 hrs SSH 111 can be used to satisfy the Global Awareness requirement (G) and either a Humanities (HU) or a Social-Behavioral (SB) requirement.


Humanities, Arts, and Design [HU]  3 hrs


Social-Behavioral Science [SB]  
 Social-Behavioral Science [SB]  3 hrs SSH 111 can be used to satisfy the Global Awareness requirement (G) and either a Humanities (HU) or a Social-Behavioral (SB) requirement.

Social-Behavioral Science [SB]  3 hrs

Natural Science [SQ, SG]  
 Natural Science [SQ, SG]  4 hrs Select at least one SQ within the Natural Science requirement.

Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G]  
 Cultural Diversity in the U.S. [C]  0-3 hrs

Historical (H) or Global Awareness (G)  0 hrs SSH 111 meets Global Awareness

## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Urban Planning B.S.P. degree program.

**MCCCD Additional Requirements**

COM 100: Introduction to Human Communication or  
COM 110: Interpersonal Communication or  
COM 225: Public Speaking or  
COM 230: Small Group Communication



CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

SCT 100: Introduction to Sustainable Built Environments 0-3 hrs This requirement may be completed after transfer to ASU.

Lower Division Elective 11-22 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60





# Pathway Agreement


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**Maricopa Community College District**  
**Women and Gender Studies, BA Pathway**  
**2021-2022**



ASU Major: [Women and Gender Studies, BA | College of Liberal Arts and Sciences](#)



## Pathway Requirements



First Year Composition [FYC] ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL	3 hrs  
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL	3 hrs  



Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]	3 hrs 
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Mathematical Studies [MA, CS] MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 145: College Mathematics with Review or MAT 146: College Mathematics with Review	3-6 hrs 
Computer/Statistics/Quantitative Applications	3-4 hrs 

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	3 hrs 	ASB 211 is recommended.
Humanities, Arts, and Design [HU]	3 hrs 	

Social-Behavioral Science [SB] WST 100: Women and Society	3 hrs 
Social-Behavioral Science [SB]	3 hrs 

Natural Science [SQ, SG] Natural Science [SQ, SG]	4 hrs 	Select at least one [SQ] within the Natural Science requirement.
Natural Science [SQ, SG]	4 hrs 	

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	0 hrs 	Satisfied by WST 100.
Historical or Global Awareness [H] or [G]	0-3 hrs 	ASB 211 is recommended.

MCCCD Additional Requirements


## Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

## Special Requirements

The recommended MCCCD associate degree pathway and Arizona General Education Certificate (AGEC) for this major are the Associate in Arts, Emphasis in Women and Gender Studies degree and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Women and Gender Studies BA degree program.



COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication	0-3 hrs 	
CRE 101: College Critical Reading	0-3 hrs	Complete CRE 101 or equivalent.
<b>Additional Lower Division Requirements</b>		
WST Elective	3 hrs	Students may select one course that transfers to ASU as a direct equivalency or a departmental elective (DEC) in the WST prefix.
Related Women Studies Course	3 hrs	Lower Division Select one courses (3 credit hours) that transfer to ASU as course equivalent or department elective (DEC) in WST prefix; or select one of the following courses: ENH 284, ENH 285, HIS 201, HUM 209, PSY 235, REL 290, SOC 264, SOC 212, WST 209, or WST 290.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16 hrs	
Lower Division Elective	0-19 hrs	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college associate degree requirements.

Total Required Credits: 60

# Pathway Agreement


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## Maricopa Community College District Women and Gender Studies, BS Pathway 2021-2022


ASU Major: [Women and Gender Studies, BS | New College of Interdisciplinary Arts and Sciences](#)


### Pathway Requirements



First Year Composition [FYC]  
ENG 101: First-Year Composition or  
ENG 107: First-Year Composition for ESL   3 hrs

ENG 102: First-Year Composition or  
ENG 108: First-Year Composition for ESL   3 hrs


Literacy and Critical Inquiry [L]  
PSY 290AB: Research Methods or  
PSY 290AC: Research Methods  4 hrs


Mathematical Studies [MA, CS]  
MAT 140: College Mathematics or  
MAT 141: College Mathematics or  
MAT 142: College Mathematics or  
MAT 145: College Mathematics with Review  
or  
MAT 146: College Mathematics with Review  3-6 hrs


PSY 230: Introduction to Statistics  3 hrs


Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]	 3 hrs	Courses recommended by Maricopa include: ENH/WST 284, ENH/WST 285, HUM/WST 209, REL/WST 290
Humanities, Arts, and Design [HU]	 3 hrs	Courses recommended by Maricopa include: ENH/WST 284, ENH/WST 285, HUM/WST 209, REL/WST 290


Social-Behavioral Science [SB]  
PSY 101: Introduction to Psychology   3 hrs

WST 100: Women and Society  3 hrs

Natural Science [SQ, SG] Natural Science [SQ, SG]	 4 hrs	Select at least one [SQ] within the Natural Science requirement.
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Natural Science [SQ, SG]  4 hrs

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]	 0 hrs	Satisfied by WST 100.
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Historical or Global Awareness [H] or [G]	 0-3 hrs	REL 290 is recommended.
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### Pathway Notes

Minimum 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater. Some ASU programs may have higher GPA and grade requirements. Please see special requirements below for details.

### Special Requirements

The recommended MCCCDC associate degree pathway and Arizona General Education Certificate (AGEC) for this major is the Associate in Arts, Emphasis in Women and Gender Studies and AGEC-A. Completion of the MAPP and all special requirements meets major map requirements at ASU and guarantees admission to the Women and Gender Studies, BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:  
<https://transfer.asu.edu/credits>

MCCCDC Additional Requirements

COM 100: Introduction to Human Communication or  
 COM 110: Interpersonal Communication or  
 COM 225: Public Speaking or  
 COM 230: Small Group Communication

0-3 hrs  


CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

**Additional Lower Division Requirements**

Lower Division Women Studies Elective 6 hrs Select two courses (cannot be shared other than with the H or G Awareness Areas) that transfer to ASU with the WST prefix. Courses recommended by Maricopa include: REL/WST 290, WST 161, WST 200, HUM/WST 209, WST 286

Lower Division Elective 0-18 hrs Within these elective credits, the New College of Interdisciplinary Arts and Sciences Languages and Cultures Requirement may be fulfilled by completing one of the following options before transferring to ASU: Non-English language course at the intermediate level (202 or equivalent), including American Sign Language IV OR two (2) semesters of a current computer language (CSC110 and [CSC200 or CSC205]). Alternatively, students can meet ASU's Languages and Cultures Requirement after transferring by completing an additional 6 credits of upper-division Global or Cultural courses once at ASU.  
  
 Additional courses recommended as lower division electives (if needed to reach minimum total for degree) include ENH 285, HIS 201, PSY 235, REL 290/WST 290, SOC 212, WST 110, WST 161, WST 200, WST 209/HUM 209, WST 284/ENH 284, and/or WST 286.

Total Required Credits: 60